



**HIMACHAL PRADESH PUBLIC WORKS DEPARTMENT**

Office of the Executive Engineer, Electrical Division No.1, HPPWD, Shimla-9

Web: [www.hppwd.gov.in](http://www.hppwd.gov.in)

E-mail: [ee-cled1-hp@nic.in](mailto:ee-cled1-hp@nic.in)

Phone/Fax No.0177-2621398

No. PW-ED-AB -Tender /2023-24  
To

7396-98

Dated:-

7/03/2024

✓ The Executive Engineer (IT)  
Nirman Bhawan HPPWD  
Shimla-2.

Subject: - Publication of Tender Notice.

Sir,

**\*Jai Hind\***

Please find herewith the tender notice of works as given in the notice inviting Tender for uploading on department website as per Notification vide Pr. Secy. (PW) to Govt. of Himachal Pradesh letter No. PBW(B)1 2020 dated 27<sup>th</sup> May 2021 and PBW(B)A(3)/2020 dated 16<sup>th</sup> July 2021 and even file date 12.01.2023 as the woks mentioned in the tender Notice is (are) urgent in nature and public interest.

DA: - As above.

  
Executive Engineer  
Electrical Division No-1  
HPPWD Shimla-171009.

1. Copy to the Superintending Engineer, Electrical Circle, Shimla for information please.
2. Copy to the Computer cell O/O the Executive Engineer (IT Cell) Nirman Bhawan Nigam Vihar Shimla-2.

/  
Executive Engineer  
Electrical Division No-1  
HPPWD Shimla-171009.



# HIMACHAL PRADESH PUBLIC WORKS DEPARTMENT

Office of the Executive Engineer, Electrical Division No.1, HPPWD, Shimla-9  
Web: [www.hppwd.gov.in](http://www.hppwd.gov.in) E-mail: [ee-eled1-hp@nic.in](mailto:ee-eled1-hp@nic.in) Phone/Fax No.0177-2621398

## "Notice Inviting Tender"

Sealed percentage rate tenders on form No. 6 & 7 are invited by the Executive Engineer, Electrical Division No.1, HPPWD Shimla-9 for the following works on behalf of Governor of Himachal Pradesh from approved and eligible contractors enlisted in HPPWD Electrical, so as to reach in this office on or before 15/03/2024 up to 10.30 AM and will be opened on the same day at 11.30 AM in the presence of the intending contractors or their authorized representatives. The tender form can be had from this office against cash payment (Non-refundable) up to 01.00 PM on dated 14/03/2024.

| Sr. No. | Name of Work                                                                                                                                                                                            | Estimated Cost | EMD     | Time:      | Cost of Tender | Class of contractor Eligible |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------|------------|----------------|------------------------------|
| 1       | C/O Additional Accommodation to Govt. High School Lohgarh, Tehsil-Paonta Sahib, District Sirmour (H.P) (SH:- C/O Two Rooms with verandah with Stair Case at Ground Floor) (SH:- Providing E.I therein). | Rs. 1,51,771/- | 3100/-  | One year   | 350/-          | C&D                          |
| 2       | Construction of Additional Accommodation in Government senior Secondary school Bechar Ka Bag District Sirmour (H.P) (SH:- C/O Multipurpose Hall at Second Floor). (SH:- Providing E.I thereof).         | Rs. 1,76,884/- | 3600/-  | One year   | 350/-          | C&D                          |
| 3       | AMC of 1 No. Bed Cum Passenger elevator Lift at Civil Hospital Sarahan in Distt. Sirmour for the year 2023-24 ( w.e.f 01/10/2023 to 30/09/2024).                                                        | Rs. 1,10,581/- | 2300/-  | One year   | 350/-          | C&D                          |
| 4       | C/O Directorate of Energy in Existing Parking Complex Tutikandi at Shimla (SH:- Additional work of E.I in Second floor ( Level 62.60M) therein).                                                        | Rs. 3,22,643/- | 6500/-  | One Month  | 350/-          | specialized                  |
| 5       | Providing Special repair to Central heating Plant at regional Ayurvedic Hospital, Chotta Shimla ( SH:- Replacement of damaged/ unserviceable hot Water pump therein).                                   | Rs. 1,48,275/- | 3000/-  | Two Months | 350/-          | specialized                  |
| 6       | Providing Analogue Media gateway for integration of old EPABX System with IPPBX System in Nirman Bhawan Building Shimla-2.                                                                              | Rs. 4,96,000/- | 10000/- | One Month  | 350/-          | specialized                  |

|    |                                                                                                                                                                                                                                                                                                |                |        |            |       |             |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------|------------|-------|-------------|
| 7  | Providing Safety devices Y three phase hot air Blowers in New Minister House-2, Shimla-2.                                                                                                                                                                                                      | Rs. 1,47,055/- | 3000/- | Two Months | 350/- | specialized |
| 8  | R/O Fire Fighting & Fire Alarm System at Hon'ble Governor residence Raj Bhawan Shimla-2 for the period w.e.f 07.04.2024 to 06.10.2024).                                                                                                                                                        | Rs. 3,40,134/- | 6800/- | Six Months | 350/- | specialized |
| 9  | Providing Special Repair to E.I in type III set No. 15,82,76,158,83,36 type IV set No. 46,19,16 type V set No. 16, type VI 04, 07, type I set NO. 209 at Kasumpti, Type I set No 214,13,02 type II set o. 20, type III set No. 05, Type IV set No. 12 type VI set No. 18,12A Mahali, Shimla-9. | Rs.1,70,250/-  | 3400/- | One Month  | 350/- | C&D         |
| 10 | Annual Maintenance of 1 No. passenger Lift ( Otis Make) Machine No. Y002249 at Nirman Bhawan Building Shimla-2 w.e.f 01.03.2024 to 28.02.2026).                                                                                                                                                | Rs.4,26,989/-  | 8600/- | Two Year   | 350/- | specialized |
| 11 | Replacement Old Damaged/ Unserviceable panel with new L.I Panel (accommodating energy meters) and other accessories in Block-A MLA Hostel Vidhan Sabha Shimla-4.                                                                                                                               | Rs. 4,11,519/- | 8300/- | One Month  | 350/- | B&C         |
| 12 | Replacement old Damaged/ Unserviceable panel with new L.T panel ( Accommodation energy meters) and other accessories in Block-B MLA Hostel Vidhan Sabha Shimla-4.                                                                                                                              | Rs. 3,89,362/- | 8000/- | Two Months | 350/- | B&C         |
| 13 | Providing Special repair/Additional Alternation and Renovation to E.I and biometric points in Hon'ble Justice chambers, Kitchen, Toilets, Judges Lounge and outside at Various floors of HP High Court Shimla.                                                                                 | Rs. 4,56,468/- | 9200/- | One Month  | 350/- | B&C         |
| 14 | Renovation of Kitchen, Bath rooms, Toilets in (set No. 408,312,109,106 & 206 etc) at Jawahar Lal Nehru Vidhayak Sadan ( MLA's Hostel) at Vidhan Sabha Shimla-4 (SH:- Providing Additional Alternation to E.I therein).                                                                         | Rs.2,37,039/-  | 4800/- | One Month  | 350/- | C&D         |
| 15 | Renovation of Kitchen, Bath rooms, Toilets in ( Set No. 203,307,309, 111,112,202 etc. ) at Jawahar Lal INehru Vidhayak sadan ( MLA's Hostel) at Vidhan sabha Shimla (SH:-                                                                                                                      | Rs. 1,48,696/- | 3000/- | Two Months | 350/- | C&D         |

|    |                                                                                                                                                                                                                    |                |         |              |      |             |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------|--------------|------|-------------|
|    | Providing Additional Alternation to E.I therein).                                                                                                                                                                  |                |         |              |      |             |
| 16 | Providing Re-wiring in MDR ( Multi Drug-Resistant) Ward in Old Building & Special repair of E.I and restoration of Power supply in new Building of DDU (ZH) at Shimla-I.                                           | Rs. 1,77,740/- | 3600/-  | One Month    | 350/ | C&D         |
| 17 | Providing rewiring Special/ Repair/ addi. Alternation to E.I in O/O Superintendent Engineer Office 4 <sup>th</sup> Circle, division No. III, Sub Division No. 1 & VII and other Branches at winter field Shimla-3. | Rs. 2,30,706/- | 4700/-  | Two Months   | 350/ | C&D         |
| 18 | Providing Alied work of E.I of installation of Digital Audio Conferencing System and special and special repair of E.I in other Branches of HP Vidhan sabha Shimla. Endorsed                                       | Rs. 2,85,475/- | 5800/-  | One Month    | 350/ | C&D         |
| 19 | C/O Multi Storey parking & Office accommodation at secretariat Armsdale (Phase-III) Shimla (SH:- Providing Additional speaker & Amplifier for Conferencing System in conference Hall therein).                     | Rs. 4,28,000/- | 8600/-  | Two Months   | 350/ | B&C         |
| 20 | Annual maintenance contract of 2 No. Passenger Lift ( Otis make) Machine no.E009018 & E009017 at Armsdale Building w.e.f 01.04.2024 to 31.03.2025).                                                                | Rs. 3,61,200/- | 7300/-  | One Year     | 350/ | specialized |
| 21 | Annual maintenance contract of 1 No. Passenger Lift ( Otis make) Machine no.G008958 at Ellerslie Building w.e.f 01.04.2024 to 31.03.2026).                                                                         | Rs. 3,50,858/- | 7100/-  | Two Year     | 350/ | specialized |
| 22 | Providing Staff for funning of Electrical enquiry in Residential and Non-residential Buildings at Oak Over and its surrounding area at Shimla w.e.f 01.04.2024 to 30.11.2024.                                      | Rs. 4,99,104/- | 10000/- | Eight Months | 350/ | B&C         |
| 23 | Providing CCTV Surveillance System at Admin Block in National Law University at Ghandal.                                                                                                                           | Rs. 4,33,620/- | 8700/-  | One Month    | 350/ | specialized |
| 24 | Providing CCTV Fiber networking System at Admin Block in National Law University at Ghandal.                                                                                                                       | Rs. 2,38,960/- | 4800/-  | Two Months   | 350/ | specialized |

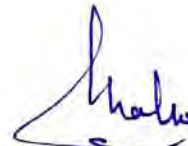
|    |                                                                                                                                                                                                                                                                                                                                                 |                |         |              |       |             |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------|--------------|-------|-------------|
| 25 | Providing wiring & electrical acc. In Govt. residence of S.E Arbitration HPPWD at Kotla Nala ,Tehsil & Distt. Solan HP.                                                                                                                                                                                                                         | Rs. 3,85,983/- | 7800/-  | Two Months   | 350/- | B&C         |
| 26 | C/O Directorate of women and Child Development, Women Commission, Child Protection Service Scheme, State resource Center for Women HP State Commission for Protection of Child Rights and Saksham Gudiya Board in 4 <sup>th</sup> Floor (Level 69.80m) of Multistory Parking Complex, Tutikandi Shimla-5 (SH:- Additional work of E.I therein). | Rs. 1,67,545/- | 3400/-  | One Months   | 350/- | C&D         |
| 27 | Providing SOP cable in Jawahar Lal Nehru Govt. Degree College of Fine Arts in Loharb Distt. Shimla.                                                                                                                                                                                                                                             | Rs. 4,68,313/- | 9400/-  | One Months   | 350%  | B&C         |
| 28 | Providing Rewiring in HPPWD B&R Circle in Ground floor at Nahan Distt. Sirmour (H.P).                                                                                                                                                                                                                                                           | Rs. 4,96,857/- | 10000/- | Two Months   | 350/- | B&C         |
| 29 | Providing Rewiring in Police Station at Boileauganj Shimla-2. ( SH:- Providing rewiring therein).                                                                                                                                                                                                                                               | Rs. 4,90,429/- | 9800/-  | Three Months | 350/- | B&C         |
| 30 | Providing Special Repair/Additional Alternation of E.I in various branches, Courts-Block-A,Block-B and Parking Block at District Court Complex Chakker Shimla-9.                                                                                                                                                                                | Rs. 4,98,425/- | 10000/- | Three Months | 350/- | B&C         |
| 31 | Expansion of Hon'ble judges Lounge in Main High Court building, HP (SH:- Providing Decorative Low noise Fan Coil Units and Fire Alarm System thereof).                                                                                                                                                                                          | Rs. 2,33,145/- | 4700/-  | Three Months | 350/- | C&D         |
| 32 | Providing Special Repair/Additional Alternation to E.I in Various Kothi No. C4,C7,C11,D1 at Bamloe Shimla.                                                                                                                                                                                                                                      | Rs. 2,71,163/- | 5500/-  | Three Months | 350/- | C&D         |
| 33 | Annual Maintenance contract of various essential electrical components Like electrical installation D.G set , Air Conditioner and CCTV system installed in circuit house at willy's Park Shimla-4 for the period of 01.04.2024 to 31.03.2025).                                                                                                  | Rs. 4,98,257/- | 10000/- | One Year     | 350/- | specialized |

Terms and conditions:-

1. The earnest money in the shape of National Saving certificate, Time deposit account in any of the post office in HP/FDR or any Bank duly pledged in favour of Executive Engineer, Elect Division No. I HPPWD Shimla-9 accompanied with the application for receipt of tender form along with cost of form.
2. The Contractor/Firm Should possess the following Documents (photo copy to be self attested with application for obtaining the tenders documents.
  - a) Latest enlistment/renewal orders with application for electrical works.
  - b) GST Number issued by the Sale Tax Department.
  - c) PAN (Permanent Account Number) issued by the Income Tax Department and copy of EPF issued from competent authority.
3. The Executive Engineer, Electrical Division NO. I HPPWD Shimla-9 reserves the right to reject any tender without assigning any reasons(s).
4. The case charge @1 % will be deducted from the gross amount of work done of the contractor.
5. The work will be completed by the Contractor within the stipulated period.
6. The tender shall be issued to only those Contractor/Firms who are eligible suitable and Competent.
7. The tender forms Shall be issued to eligible contractors depending upon their past performance and work experience which shall be duly evaluated by the technical evaluation committee.
8. The contractor/Firm having necessary documents and past adequate experience shall be preferred.
9. The contractor who has failed to start/complete the work already allotted in his favor within stipulated period shall not be issued tender forms.
10. A contractor enlisted in a particular Class be eligible to tender for his own class and one step below.
11. Only Three number tender forms will be issued to the eligible contractor.
12. If any kind of holiday to be happened, the tender shall be opened on the next working day at 11.30 a.m.
13. GST will be deducted as per rates fixed by the Government.

**CERTIFICATE:-**

It is to certify that tender for the above works are urgently required.

  
Executive Engineer  
Electrical Division No-I  
HPPWD Shimla-171009.

No. PW-ED-II-GA-Tender/2023-2024- 7387-95 Dated:-

7/03/2024

Copy forwarded to the following for information:-

14. Deputy Commissioner Shimla.
15. Chief Engineer (SZ), Nirman Bhawan, Nigam Vihar, HPPWD, Shimla 2.
16. The Superintending Engineer, 1<sup>st</sup> Electrical Circle, HPPWD, Shimla-9.
17. All the Assistant Engineers working under this Division.
18. All the internding Contractors in HPPWD.
19. Notice Board.

Executive Engineer  
Electrical Division No-I  
HPPWD Shimla-171009.

Himachal Pradesh  
Public Works Department

OFFICE ORDER

I hereby authorize to Sh. Sachin Thakur, Assistant Engineer, Electrical Sub-Division No.-II, HP.PWD, Shimla-2 to sale and open the tenders called vide this office letter No.7387-95 dated 7.3.2024 scheduled to be opened on 15.3.2024 respectively at 11.30 A.M. in Division Office. All other terms and conditions remain unchanged.

Executive Engineer,  
Electrical Division No. I,  
HP.PWD. Shimla-9

No.PW-EDI-AB/Tender/2023-2024- 74/9-23

Dated:- 14/03/2024

Copy to:-

1. The Superintending Engineer, 1st Electrical Circle, HP.PWD. Shimla-9 for information please.
2. Sh. Sachin Thakur, Assistant Engineer, Electrical Sub-Division No.-II, HP.PWD. Shimla-2 for information and further compliance of orders.
3. The Superintendent Gr.-II/Head Draughtsman/Divisional Accounts Officer in this office for information.

Executive Engineer,  
Electrical Division No. I,  
HP.PWD. Shimla-9

## DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs.1,51,771/- only

Earnest Money:- Rs. 3100/- only

Time:- One Year

Name of work:- C/O Additional Accommodation to Govt. High School Lohgarh, Tehsil-Paonta Sahib, District Sirmour (HP) ( SH. C/o Two Rooms with verandah with stair Case at Ground Floor) (SH:- Providing EI therein)

| S.No. | Description of Items                                                                                                                                                                                                                                                                                                                                         | Qty. | Unit  | Rate       |                                                | Amount |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|------------|------------------------------------------------|--------|
|       |                                                                                                                                                                                                                                                                                                                                                              |      |       | In Figures | In words                                       |        |
| 1     | Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. |      |       |            |                                                |        |
| i     | Group C.                                                                                                                                                                                                                                                                                                                                                     | 29   | Point | 1225       | Rupees One Thousand Two                        | 35525  |
| 2     | Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.                                  |      |       |            |                                                |        |
| i     | Group C.                                                                                                                                                                                                                                                                                                                                                     | 2    | Point | 1264       | Rupees One Thousand Two Hundred SixtyFour Only | 2528   |
| 3     | Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.                                                                                               | 40   | Meter | 318        | Rupees Three Hundred Eighteen Only             | 12720  |
| 4     | Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 2 Nos. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.                                                                                              | 20   | Meter | 543        | Rupees Five Hundred FourtyThree Only           | 10860  |
| 5     | Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.                                                                                                                                                        |      |       |            |                                                |        |
| i     | 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire                                                                                                                                                                                                                                                                                                                   | 30   | Meter | 197        | Rupees One Hundred NinetySeven Only            | 5910   |
| ii    | 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire                                                                                                                                                                                                                                                                                                                   | 22   | Meter | 259        | Rupees Two Hundred FiftyNine Only              | 5698   |
| iii   | 2 X 10 sq. mm + 1 X 6 sq. mm earth wire                                                                                                                                                                                                                                                                                                                      | 8    | Meter | 626        | Rupees Six Hundred TwentySix Only              | 5008   |
| 6     | Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.                                                                                                                            | 4    | Meter | 568        | Rupees Five Hundred SixtyEight Only            | 2272   |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |       |      |                                                    |       |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|------|----------------------------------------------------|-------|
| 7  | Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.                                                                                                                                                                           | 4  | Meter | 698  | Rupees Six Hundred Ninety Eight Only               | 2792  |
| 8  | Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.                                                                                                                                                                                                                                                  |    |       |      |                                                    |       |
| i  | 5/6 amps switch                                                                                                                                                                                                                                                                                                                                                                                                       | 2  | each  | 81   | Rupees Eighty One Only                             | 162   |
| ii | 3 pin 5/6 A socket outlet                                                                                                                                                                                                                                                                                                                                                                                             | 2  | each  | 154  | Rupees One Hundred Fifty Four Only                 | 308   |
| 9  | Supplying and fixing electrical switch board, having 3 No. of 5 amp. switches and socket on suitable size of metal box of mm deep 12 module (200mm*150mm) on surface or in recess with suitable modular sheet cover in the front i/c providing and fixing 3 No. 5 pin 5/6 amp socket outlet and 5/6 amp modular type switch, connection, painting etc. as req. (For light plugs)                                      | 2  | Each  | 1262 | Rupees One Thousand Two Hundred Sixty Two Only     | 2524  |
| 10 | Providing and installation of following type of LED batten with aluminium housing, anti glare polycarbonate diffuser and energy efficient constant current, integral electronic driver, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clamps, connections, testing etc. as required: of Approved Make                                                          |    |       |      |                                                    |       |
| i  | LED Batten 1200mm 20 Watt                                                                                                                                                                                                                                                                                                                                                                                             | 14 | Each  | 746  | Rupees Seven Hundred Forty Six Only                | 10444 |
| 11 | Providing and installation of following type of surface mounting square/round type LED panel Light with aluminium die cast housing in white finish with anti glare polycarbonate diffuser and separated energy efficient constant current, non-integral, electronic driver, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make |    |       |      |                                                    |       |
| i  | Square LED Panel Light 12 Surface                                                                                                                                                                                                                                                                                                                                                                                     | 6  | Each  | 1218 | Rupees One Thousand Two Hundred Eighteen Only      | 7308  |
| 12 | P/F environmental friendly, ultra modern, energy saving, surface mounted, decorative over bulk head edge-lit LED luminaire comprising of high brightness LEDs complete with connections, testing & commissioning etc as required. LED 10 W                                                                                                                                                                            | 3  | Each  | 1228 | Rupees One Thousand Two Hundred Twenty Eight Only  | 3684  |
| 13 | Providing, Installation, testing and commissioning of BLDc ceiling fan, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required: of Approved Make                                                                             |    |       |      |                                                    |       |
| i  | BLDC Ceiling Fan 1200 mm sweep                                                                                                                                                                                                                                                                                                                                                                                        | 8  | each  | 3295 | Rupees Three Thousand Two Hundred Ninety Five Only | 26360 |
| 14 | Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.                                                                                                                                                                                                                                    | 8  | each  | 466  | Rupees Four Hundred Sixty Six Only                 | 3728  |
| 15 | Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.                                                                                                                                                                          |    |       |      |                                                    |       |

|         |                                                                                                                                                                                                                                                                                                              |    |      |      |                                                   |        |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|------|---------------------------------------------------|--------|
| 1       | Single pole                                                                                                                                                                                                                                                                                                  | 9  | Each | 261  | Rupees Two Hundred Sixty One Only                 | 2349   |
| 16      | Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-                                                                                             |    |      |      |                                                   |        |
| i       | MCB DP 40 A 'C' curve                                                                                                                                                                                                                                                                                        | 1  | Each | 1122 | Rupees One Thousand One Hundred Twenty Two Only   | 1122   |
| 17      | Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V. on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) |    |      |      |                                                   |        |
| i       | 12 way, Double door                                                                                                                                                                                                                                                                                          | 1  | each | 2567 | Rupees Two Thousand Five Hundred Sixty Seven Only | 2567   |
| 18      | Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.                                                                                  | 1  | each | 6836 | Rupees Six Thousand Eight Hundred Thirty Six Only | 6836   |
| 19      | Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.                                                                                                                                     | 26 | mt   | 41   | Rupees Fourty One Only                            | 1066   |
| Total:- |                                                                                                                                                                                                                                                                                                              |    |      |      |                                                   | 151771 |

*Draft schedule of Quantity approved for Rs. 1,51,771/- only  
(Rs. One Lacs Fifty One thousand Seven Hundred Seventy one) only.*

*Indu*  
Executive Engineer,  
Electrical Division No-1  
HPP-30, Shimla-171009

## DRAFT SCHEDULE OF QUANTITY

Name of work:- Construction of Additional Accommodation in Government Senior secondary school Bechar ka Bag District Sirmour(H.P.)(SH:-C/O Multipurpose Hall at Second Floor) (SH:-Providing E.I. thereof)

Estimated Cost:- Rs.1,76,884/- only  
Earnest Money:- Rs. 3600/- only  
Time:- One Year

| S.No. | Description of Items                                                                                                                                                                                                                                                                                                                                              | Qty. | Unit   | Rate       |                                                    | Amount |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|------------|----------------------------------------------------|--------|
|       |                                                                                                                                                                                                                                                                                                                                                                   |      |        | In Figures | In words                                           |        |
| 1     | Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm FRLS PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required. |      |        |            |                                                    |        |
| 1.01  | Group-C                                                                                                                                                                                                                                                                                                                                                           |      |        |            |                                                    |        |
| 2     | Supplying and fixing suitable G.I. with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.                                                                                                                                        | 34   | Each   | 1225       | Rupees One Thousand Two Hundred Twenty-Five Only   | 41650  |
| 3     | Supplying and fixing suitable G.I. with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.                                                                                                                              | 6    | Each   | 568        | Rupees Five Hundred Sixty Eight Only               | 3408   |
| 4     | Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required                                                                                                                                                              | 6    | Each   | 698        | Rupees Six Hundred Ninety Eight Only               | 4188   |
| 4.01  | 2x1.5 sq.mm - 1x1.5 sq.mm earth wire                                                                                                                                                                                                                                                                                                                              | 70   | P/mtr. | 197        | Rupees One Hundred Ninety Seven Only               | 13790  |
| 4.02  | 2x4 sq.mm - 1x4 sq.mm earth wire                                                                                                                                                                                                                                                                                                                                  | 40   | P/mtr. | 318        | Rupees Three Hundred Eighteen Only                 | 12720  |
| 4.03  | 2 X 10 sq. mm - 1 X 6 sq. mm earth wire                                                                                                                                                                                                                                                                                                                           | 15   | P/mtr. | 597        | Rupees Five Hundred Ninety Seven Only              | 8955   |
| 4.04  | 4x4 sq.mm + 2x4 sq.mm earth wire                                                                                                                                                                                                                                                                                                                                  | 30   | P/mtr. | 543        | Rupees Five Hundred Forty Three Only               | 16290  |
| 5     | Providing, Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including, providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required; of Approved Make              |      |        |            |                                                    |        |
| 5.01  | Ceiling Fan 1400 mm sweep                                                                                                                                                                                                                                                                                                                                         | 11   | Each   | 2323       | Rupees Two Thousand Three Hundred TwentyThree Only | 25553  |
| 6     | Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.                                                                                                                                                                                | 11   | each   | 466        | Rupees Four Hundred Sixty Six Only                 | 5126   |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |      |                                                     |               |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|------|-----------------------------------------------------|---------------|
|       | Supplying and fixing Higher Rating (80 to 125A) 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.                                                                                                                                                               |    |      |      |                                                     |               |
| 8.01  | MCB DP 50/63 A 'C' curve                                                                                                                                                                                                                                                                                                                                                                                              | 1  | Each | 1213 | Rupees One Thousand Two Hundred Thirteen Only       | 1213          |
| 8     | Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCBDB complete with connections, testing and commissioning etc. as required.                                                                                                                                                                           |    |      |      |                                                     |               |
| 8.01  | Single pole                                                                                                                                                                                                                                                                                                                                                                                                           | 10 | Each | 261  | Rupees Two Hundred Sixty One Only                   | 2610          |
| 9     | Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240V on surface/recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, inter connections, powder painted including earthing etc. as required (But without MCB/RCCB/Isolator)                                                                                                             |    |      |      |                                                     |               |
| 9.01  | 12 way . Double door                                                                                                                                                                                                                                                                                                                                                                                                  | 1  | Each | 2729 | Rupees Two Thousand Seven Hundred Twenty Nine Only  | 2729          |
| 10    | Providing and installation of following type of LED batten with aluminium housing, anti glare polycarbonate diffuser and energy efficient constant current, integral electronic driver, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clamps, connections, testing etc. as required: of Approved Make                                                          |    |      |      |                                                     |               |
| 10.01 | LED Batten Light 20W                                                                                                                                                                                                                                                                                                                                                                                                  | 1  | Each | 746  | Rupees Seven Hundred Forty Six Only                 | 746           |
| 11    | Providing and installation of following type of surface mounting square/round type LED panel Light with aluminium die cast housing in white finish with anti glare polycarbonate diffuser and separated energy efficient constant current, non-integral, electronic driver, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make |    |      |      |                                                     |               |
| 11.01 | Square/round LED Panel Light 18/20W Surface                                                                                                                                                                                                                                                                                                                                                                           | 22 | Each | 1723 | Rupees One Thousand Seven Hundred Twenty Three Only | 37906         |
|       | <b>Total:-</b>                                                                                                                                                                                                                                                                                                                                                                                                        |    |      |      |                                                     | <b>176884</b> |

*Draft Schedule of quantity approved for Rs. 1,76,884/-  
(Rs. One Lacs Seventy Six Thousand Eight Hundred  
Eighty four) only. (only)*

**Executive Engineer,  
Electrical Division No.1  
MPPSW, Shimla-171009**

## DRAFT SCHEDULE OF QUANTITY

Name of work:- AMC of 1 No. Bed cum Passenger elevator Lift at Civil Hospital Saraban in Dist Sirmour  
(30/09/2024)

Estimated Cost:- Rs.1,10,581/- only  
Earnest Money:- Rs. 2300/- only  
Time:- One Year

for the year 2023-24 (w.e.f 01/10/2023 to

| S.No. | Description of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Qty. | Unit  | Rate       |                                                           | Amount |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|------------|-----------------------------------------------------------|--------|
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |       | In Figures | In words                                                  |        |
| 1     | Regular examination, lubrication and adjustment of the equipment and planned maintenance in a systematic manner and replacement of parts as detailed below:-                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |            |                                                           |        |
|       | i (i) Check all wires ropes and chains to maintain an adequate factor of safety, to equalize tension on all housing ropes, repair or replace conductor cable and hoistway and machine room elevator wiring and replace the same if required under intimation to Ex-in-Charge.                                                                                                                                                                                                                                                                                    |      |       |            |                                                           |        |
|       | ii (ii) Systematic examining and adjustment of motor machine, panel, car door operator, touch/push buttons, car door hanger, car frame car safety mechanism and platforms, emergency light emergency alarm, lift fan and batteries etc and replacement of all equipments and cards required to make the lift functional.                                                                                                                                                                                                                                         |      |       |            |                                                           |        |
|       | iii (iii) Examine periodically all safety devices and governor and all customary safety tests.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |       |            |                                                           |        |
|       | iv (iv) The firm will provide emergency minor adjustment call back services 24 hours as all working days as well as holidays/sundays. The firm will maintain the lift in reliable and efficient operating conditions. The max breakdown period for lift shall not be more than 48 hours in any case, otherwise penalty will be imposed on the firm per day basis.                                                                                                                                                                                                |      |       |            |                                                           |        |
| 1.01  | Regular systematic examination adjustment lubrication of machine controller parts i.e replacement of wornout parts, gears, thrust bearings, brake shoe, rotating element, contact cable resistances for operating motor circuits, magnetic frames and other mechanical parts as well as elevators, equipment in proper and safe operating conditions i.e emergency, minor adjustment call back service to the best satisfaction of Ex. in Charge for the year 2023-24 (w.e.f 01-10-2023 to 30-09-2024) passenger cum bed elevator of (1) 15 machine no. 11008787 | 1    | p/job | 110581     | Rupees One Lakh Ten Thousand Five Hundred Eighty One Only | 110581 |
|       | <b>Total:-</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |       |            |                                                           | 110581 |

Draft Schedule of quantity approved for Rs. 1,10,581/- only.  
(Rs. One Lacs Ten thousand Five hundred Eighty one).

Executive Engineer  
Electrical Division No.- 1  
H.P.P.W.D., Shimla - 171909

only.

# DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs.3,22,643/- only  
Earnest Money:- Rs.6500 /- only  
Time:- One Month

Name of work:- C/O Directorate of Energy in Existing Parking Complex Tutikandi at Shimla (SH:- Additional work of E.I in Second Floor (Level 62.60M) therein)

| S.No. | Description of Items                                                                                                                                                                                                                                                                                           | Qty. | Unit  | In Figures | Rate<br>In words                                    | Amount |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|------------|-----------------------------------------------------|--------|
| 1     | Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel conduit including dismantling as required. | 21   | each  | 768        | Rupees Seven Hundred SixtyEight Only                | 16128  |
| 1.01  | Group C                                                                                                                                                                                                                                                                                                        |      |       |            |                                                     |        |
| 2     | Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.                                                                                                                                              | 33   | meter | 110        | Rupees One Hundred Ten Only                         | 3630   |
| 2.01  | 3 x 1.5 sq. mm                                                                                                                                                                                                                                                                                                 |      |       |            |                                                     |        |
| 3     | Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.                                                                                                                                                                                                    | 6    | each  | 160        | Rupees One Hundred Sixty Only                       | 960    |
| 3.01  | 3 Module                                                                                                                                                                                                                                                                                                       |      |       |            |                                                     |        |
| 3.02  | 4 Module                                                                                                                                                                                                                                                                                                       | 1    | each  | 187        | Rupees One Hundred EightySeven Only                 | 187    |
| 3.03  | 6 Module                                                                                                                                                                                                                                                                                                       | 1    | each  | 242        | Rupees Two Hundred FourtyTwo Only                   | 242    |
| 4     | Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.                                                                                                                                           | 21   | each  | 95         | Rupees NinetyFive Only                              | 1995   |
| 4.01  | 5/6 amps switch                                                                                                                                                                                                                                                                                                |      |       |            |                                                     |        |
| 5     | Supplying and fixing PVC batten/ angle holder including connection etc. as required.                                                                                                                                                                                                                           | 9    | each  | 87         | Rupees EightySeven Only                             | 783    |
| 6     | Providing and fixing following raling and breaking capacity MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel. making connections, etc. as required.                                                                           |      |       |            |                                                     |        |
| 6.01  | MCCB 100 A 30/36 KA 4Pole                                                                                                                                                                                                                                                                                      | 12   | each  | 7324       | Rupees Seven Thousand Three Hundred TwentyFour Only | 87888  |
| 6.02  | 200 A 25 KA 3/4Pole                                                                                                                                                                                                                                                                                            | 1    | each  | 10925      | Rupees Ten Thousand Nine Hundred TwentyFive Only    | 10925  |

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |       |      |                                                   |               |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------|------|---------------------------------------------------|---------------|
| 7              | Providing and installation of Light duty, plastic body, ventilating fan of following sizes in the existing opening, by means of suitable rag-bolts/nuts, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required complete in all respects to the satisfaction of the Engineer-in-Charge:- Make: Havells, Bajaj, Crompton Greaves, Usha, Kahitian etc. |     |       |      |                                                   |               |
| 7.01           | Ventilating Fan, Light duty, (Plastic body) 250 mm sweep                                                                                                                                                                                                                                                                                                                                                                                    | 1   | each  | 1934 | Ruppes One Thousand Nine Hundred ThirtyFour Only  | 1934          |
| 7.02           | Ventilating Fan, Light duty, (Plastic body) 150 mm sweep                                                                                                                                                                                                                                                                                                                                                                                    | 1   | each  | 1885 | Ruppes One Thousand Eight Hundred EightyFive Only | 1885          |
| 8              | Providing, laying and fixing of one No. Copper conductor, PVC insulated and PVC sheathed, unarmoured/XLPE power cable, working voltage 1100 volts grade on surface etc. of the required size, complete in all respect including making connections, testing etc. as required. Make : Plaza Cables , Havells or as approved by Engineer-in-Charge. Copper Conductor Cable 25 sq mm Single core Unarmoured.                                   | 140 | meter | 535  | Ruppes Five Hundred ThirtyFive Only               | 74900         |
| 9              | Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.                                                                                                                                                             | 26  | each  | 4661 | Ruppes Four Thousand Six Hundred SixtyOne Only    | 121186        |
| <b>Total:-</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |       |      |                                                   | <b>322643</b> |

*Draft Schedule of Quantity approved for Re. 3,22,643/- only*

*(Ruppes Three Lacs Twenty Two Thousand Six Hundred forty Three) only.*

*Shubh*  
**Executive Engineer,**  
**Electrical Division No. 1**  
**Bye L. Rd., Jhansi-471003**

## DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs.1,48,275/- only  
Earnest Money:- Rs. 3000/- only  
Time:- Two Months

Name of work:- Providing special repair to central heating plant at Regional Ayurvedic Hospital, Chotta Shimla. (Sh: Replacement of damaged/unserviceable hot water pump therein)

| S.No. | Description of Items                                                                                                                                                                                                                                                                                               | Qty. | Unit | Rate       |                                                         | Amount        |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------------|---------------------------------------------------------|---------------|
|       |                                                                                                                                                                                                                                                                                                                    |      |      | In Figures | In words                                                |               |
| 1     | Replacement of old defective hot water couple pump set having mechanical seal, GM impeller suitable for hot water upto 80 degree temperature coupled with 10 HP Squirrel cage /TEFC induction motor & making suitable connection etc. as required. .Make: Kirloskar,Crompton or as approved by Engineer-in-charge. | 1    | each | 108750     | Rupees One Lakh Eight Thousand Seven Hundred Fifty Only | 108750        |
| 2     | Rewinding of 10HP Hot water Pump with of 2 nos bearing 6307 and 6308 , turning gland shaft i/c opening & refixing the motor from site complete as required with best satisfaction of Engineer-in-charge.                                                                                                           | 1    | each | 22650      | Rupees TwentyTwo Thousand Six Hundred Fifty Only        | 22650         |
| 3     | Supply, installation, testing and commissioning of Swing Check valve straight type material cast iron A bolted cover renewable seat , renewable disc SS trim working pressure 10.54 kg/cm with flanged ends i/c flanges complete as required .Make: Kirloskar,Sant or as approved by Engineer-in-charge.           |      |      |            |                                                         |               |
| 3.1   | 80 mm                                                                                                                                                                                                                                                                                                              | 1    | each | 16875      | Rupees Sixteen Thousand Eight Hundred SeventyFive Only  | 16875         |
|       | <b>Total:-</b>                                                                                                                                                                                                                                                                                                     |      |      |            |                                                         | <b>148275</b> |

Draft schedule of quantity approved for D. 1,48,275/- only  
(Proper). One Lacs Fourty Eight Thousand Two Hundred Seventy Five only.

**Executive Engineer,**  
**Electrical Division No-1**  
**HAFPO, Shimla-171003**

## DRAFT SCHEDULE OF QUANTITY

Name of work:- Providing analouge media gateway for integration of old EPABX system with IPPBX system in Nirman Bhawan Building Shimla-2.

Estimated Cost:- Rs.4,96,000/- only  
Earnest Money:- Rs. 100000/- only  
Time:- One Months

| S.No.   | Description of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Qty. | Unit | In Figures | Rate<br>In words                          | Amount |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------------|-------------------------------------------|--------|
| 1       | Supply, fixing, integration, testing and commissioning of Universal Media Gateway having 8 slots with 6 SIP Extension cards of 32 ports each with existing Coral Cloud Server IPPBX System, with the following specifications:& Functionality • SIP Standard<br>• IPv6 Ready • Matured Call & In Progress Call recovery • Toll grade voice compression • Echo cancellation, Jitter Buffer, VAD and CNQ+ Complies with latest version (RFC3261) SIP protocols • Enhanced capabilities which include MWI, metering tones • Suitable for SIP based hosted communications and centralized IP-PBX applications • Supports all standards telephony features such as Call Hold, Call Transfer, Message Wait Lamp, Call Waiting, do not disturb, Caller Id presentation, Conference, Hotline, Etc. • 19&quot; Rack Mountable Design&quot; &quot; Technical Specifications Design Architecture • Architecture • Universal Slot Interface Support • Hybrid Survivability • Self-Survival Port Capacity : 256 Ports Interface Characteristics FXS Interface Configuration : 32 Ports Line Voltage : 48 Volt<br>Dialling : DTMF (As per ITU-T Q.23) Caller Id : DTMF (As per ITU-T Q.23) FSK (Bellcore 202) Loop Resistance : 3000 Ohm Open loop resistance : >10K Ringing Voltage : 75 V AC + 10 %, 20-25 Hz&quot; &quot; VoIP Characteristics SIP : RFC3261, RFC3264, RFC 3265, RFC 3515 (REFER), RFC3435 (MGCP), RFC 2782 (DNS SRV), RFC 3428 (IM) SDP : RFC 2327 RTP / RTCP : RFC 3350<br>Jitter: Adaptive Jitter buffer SIP DTMF Signalling : RFC2833 SIP INFO DTMF : Inband audio tone Conference Supported : G.711A/PCMA, G.711U/PCMU, G.723, G.726, G.729, GSM, ilBC, T.38 complete in all respects as required with best satisfaction of Engineer-in-charge. | 1    | job  | 496000     | Rupees Four Lakh Ninety Six Thousand Only | 496000 |
| Total:- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |      |            |                                           | 496000 |

Draft Schedule of Quantity approved for Rs. 4,96,000/- only.  
(Rupees Four Lacs Ninety Six Thousand Only)

Executive Engineer,  
Electrical Division No. 1

By H.P.Singh, Shimla-175003

# DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs. 1,47,055/- only  
Earnest Money:- Rs. 3000/- only  
Time:- Two Months

Name of work:- Providing Safety devices Y three phase hot air Blowers in New Minister House-2, Shimla-2.

| S.No. | Description of Items                                                                                                                                                                                                                                                                                                                                                                        | Qty. | Unit | Rate       |                                                    | Amount |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------------|----------------------------------------------------|--------|
|       |                                                                                                                                                                                                                                                                                                                                                                                             |      |      | In Figures | In words                                           |        |
| 1     | Supplying, Installation, Testing and commissioning of 3 phase floor mounted 6 KW Hot Air Blower (1.5 ton/18000BTU) with thermostat and regulator suitable for input voltage 415-440V, 50/60Hz complete with all accessories including fixing the blower on floor as required complete with all necessary connections. Make: Aircel, Ventair or any other as approved by Engineer-in-charge. |      |      |            |                                                    |        |
| 1.1   | 6 KW Hot Air Blower                                                                                                                                                                                                                                                                                                                                                                         | 2    | each | 45430      | Rupees FortyFive Thousand Four Hundred Thirty Only | 90860  |
| 2     | Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.                                                                                                                                                                                                                           |      |      |            |                                                    |        |
| 2.1   | 2 X 1.5 sq. mm                                                                                                                                                                                                                                                                                                                                                                              | 26   | mtrs | 55         | Rupees FiftyFive Only                              | 1430   |
| 2.2   | 3 x 4 sq. mm                                                                                                                                                                                                                                                                                                                                                                                | 22   | mtrs | 181        | Rupees One Hundred EightyOne Only                  | 3982   |
| 3     | Providing & Laying of one number aluminium conductor, PVC insulated and PVC sheathed armoured/ XLPE power cable, 1.1 KV grade of following sizes on wall surface as required.                                                                                                                                                                                                               |      |      |            |                                                    |        |
| 3.1   | Armoured cable 16 sq. mm (four core)                                                                                                                                                                                                                                                                                                                                                        | 56   | mtrs | 253        | Rupees Two Hundred FiftyThree Only                 | 14168  |
| 4     | Supplying and fixing following way, CRCA sheet steel enclosure, IP 30 - Metal Door, RAL9003, powder coated, suitable for surface and flush mounting, with provision to mount MCB/Isolator/RCCB/RCBO and other modular devices, including interconnections, earthing etc. as required. (But without MCB/RCCB/Isolator etc.)                                                                  |      |      |            |                                                    |        |
| 4.1   | MCB Enclosure 2/3 or 4 way                                                                                                                                                                                                                                                                                                                                                                  | 2    | each | 717        | Rupees Seven Hundred Seventeen Only                | 1434   |
| 5     | Supplying and fixing Higher Rating (80 to 125A) 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.                                                                                                                                     |      |      |            |                                                    |        |
| 5.1   | MCB FP 50/63 A "C" curve                                                                                                                                                                                                                                                                                                                                                                    | 2    | each | 2081       | Rupees Two Thousand EightyOne Only                 | 4162   |

|                |                                                                                                                                                                                                                                                                                                                                                                                                                      |    |      |      |                                                     |               |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|------|-----------------------------------------------------|---------------|
| 6              | Supplying and fixing TP&N copper bus-bar chamber suitable for 415 volts capacity with 4 No. copper strip bus-bars each of length and x-section suitable for following current carrying capacities, enclosure made of sheet steel, dust protected, duly powder painted with detachable gland plate and other accessories including drilling holes on the board, making connections, earthing etc. as required.        |    |      |      |                                                     |               |
| 6.1            | 100 A Copper Busbar Chambers 15" (SS Enclosure)                                                                                                                                                                                                                                                                                                                                                                      | 1  | each | 3527 | Rupees Three Thousand Five Hundred TwentySeven Only | 3527          |
| 7              | Providing and installation of following type of surface mounting square/round type LED panel Light with aluminium die cast housing in white finish with anti glare polycarbonate diffuser and separated energy efficient constant current, non-integral, electronic driver suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make |    |      |      |                                                     |               |
| 7.1            | Square/round LED Panel Light 10/12W Surface                                                                                                                                                                                                                                                                                                                                                                          | 1  | each | 1574 | Rupees One Thousand Five Hundred SeventyFour Only   | 1574          |
| 8              | Supplying and fixing Bell Indicator ( 12 way) made of cast iron, silver in colour suitable for residences/offices complete with mounting the indicator on the wall, all necessary connections as required with best satisfaction of Engineer-in-charge.                                                                                                                                                              | 1  | each | 2500 | Rupees Two Thousand Five Hundred Only               | 2500          |
| 9              | Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.                                                                                                                                                                        |    |      |      |                                                     |               |
| 9.1            | 125 A, 16 KA, 1P+NCCB                                                                                                                                                                                                                                                                                                                                                                                                | 1  | each | 4943 | Rupees Four Thousand Nine Hundred FourtyThree Only  | 4943          |
| 10             | Providing and fixing of PVC Channel of size 100mm X 50mm suitable to fix wires/cables in it, fixing the channel on wall surface as required with best satisfaction of Engineer-in-charge.                                                                                                                                                                                                                            | 25 | mtrs | 739  | Rupees Seven Hundred ThirtyNine Only                | 18475         |
| <b>Total:-</b> |                                                                                                                                                                                                                                                                                                                                                                                                                      |    |      |      |                                                     | <b>147055</b> |

*Draft Schedule of Quantity approved for Rs. 1,47,055/- only  
(Rupees One Lac Fourty Seven Thousand & Fifty Five) only.*

*Executive Engineer,  
Electrical Division No-1  
Rupesh, Shikhar-174333*

## DRAFT SCHEDULE OF QUANTITY

**Name of work:- R/O Fire Fighting & fire Alarm System at Hon'ble Governor residence** Rajbhavan Shimla-2, for the period w.e.f 07-04-2024 to 06-10-2024

Estimated Cost:- Rs.3,40,134/- only  
Earnest Money:- Rs.6800 /- only  
Time:- Six Months

| S.No. | Description of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Qty. | Unit    | Rate       |                                                        | Amount |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------|------------|--------------------------------------------------------|--------|
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |         | In Figures | In words                                               |        |
| 1     | Running and operation of Fire Fighting & fire Alarm system in the following building and the outside complex as per the time period and description below:                                                                                                                                                                                                                                                                                                                                         |      |         |            |                                                        |        |
| 1.01  | This includes deployment of electricians/technician/pump operator/fireman/pump-operator-cum-helper for running and operation of fire fighting and fire alarm system round the clock upto the time period of the contract.                                                                                                                                                                                                                                                                          |      |         |            |                                                        |        |
| 1.02  | This includes the minor repairs, maintenance of fire Equipments, Operation & Testing of fire fighting and Alarm system i.e Detectors, Sprinklers, Motor Engine, Pump, House pipe, stand post Hydrant, Sluice valves, Public address system and distribution of water supply, ring main and risers etc. complete in all respects as desired by the Engineer-in-charge.                                                                                                                              |      |         |            |                                                        |        |
| 1.03. | This includes minor repairs, such as replacement of MCB Glasses, Panel Cards, Rubber Gasket, Bearing for motor pumps, Fuses links, Gland Dori, cleaning agents, soap, detergents, cloth & emery paper, Oil & Grease for moving parts, maintain of Log-book, etc. as and when required.                                                                                                                                                                                                             |      |         |            |                                                        |        |
| 1.04  | R/O Fire Fighting & Fire alarm system at Hon'ble Governor Residence Shimla-2 H.P for the year period w.e.f 07-04-2024 to 06-10-2024) complete job as above.                                                                                                                                                                                                                                                                                                                                        | 6.00 | p/month | 56689      | Rupres Fifty Six Thousand Six Hundred Eighty Nine Only | 340134 |
|       | <b>Terms &amp; Condition :-</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |         |            |                                                        |        |
| 1     | The contractor shall have to deploy at least one no. trained Electricians/Technician/Pump Operator/fireman/pump-operator-cum-helper in the shift manner for the job. The number of such shifts shall not be less than 3 (00/Three) in one day i.e 24 hours. The person shall have to be familiar about the system and equipments installed in the building. The contractor shall be fully equipped with necessary testing and safety equipments and shall follow all the safety measures strictly. |      |         |            |                                                        |        |
| 2     | This contract shall cover the annual i.e 12 months maintenance, running operation and testing of the fire fighting and fire alarm system as per the scope of the work contained in the main abstract.                                                                                                                                                                                                                                                                                              |      |         |            |                                                        |        |
| 3     | This will also include the minor repair, such as replacement of MCP Glasses, Panel Cards, Rubber Gasket, Bearing for motor pumps, Fuses links, Gland Dori, etc. as and when required.                                                                                                                                                                                                                                                                                                              |      |         |            |                                                        |        |
| 4     | Competent service engineer/technician will be required to attend break down calls as and when intimated within the least possible time but not more than 24 hours in any case, there is no limit of break down call. The sole responsibility shall be of the firm to keep the whole system in running condition round the clock.                                                                                                                                                                   |      |         |            |                                                        |        |

|         |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |        |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--------|
| 5       | The contractor will ensure that control system is attended/ maintained round the clock by his competent staff to ensure timely action in case of fire hazards. Any accident or damage during maintenance/operation will be the responsibility of the contractor and the Employer will not entertain any claim, compensation, and penalty on this account or on account of non observation of any other requirement of law relevant to his work. |  |  |  |  |  |        |
| 6       | The work shall be carried out as per direction and up to the satisfaction of Engineer-in-Charge.                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |
| 7       | The contractor shall have to submit the detail of person employed to the department with the address/ID proof.                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |        |
| 8       | The Contractor shall have to ensure the entry of only authorized persons into the building/control room. He shall ensure the safety of all the system equipments and material in the control room.                                                                                                                                                                                                                                              |  |  |  |  |  |        |
| Total:- |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  | 340134 |

*Draft Schedule of Quantity appeared for Rs. 3,40,134 only  
(Rupees. Three Lacs Fourty Thousand one hundred Thirty four only)*

*Sharma*  
Executive Engineer,  
Electrical Division No. 1  
Ajmer, Shri No. 17503

# DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs. 1,70,250/- only  
Earnest Money:- Rs. 3400/- only  
Time:- One Month

Name of work:- Providing special repair to E.I in Type III Set No.15,82,76,158,83,36, Type IV Set No.46,19,16, Type V set No16, Type VI 04,07, type I set no 209 at Kasumpti. Type I SET NO. 214,13,02, Type II Set No.20, Type IIIset No 05, Type IV set No 12, Type VI SET No 18,12A at Mehali, Shimla-171009

| S.No. | Description of Items                                                                                                                                                                                                                                                                                                                                                               | Qty. | Unit | Rate       |                                      | Amount |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------------|--------------------------------------|--------|
|       |                                                                                                                                                                                                                                                                                                                                                                                    |      |      | In Figures | In words                             |        |
| 1     | Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in PVC casing & capping, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.                           |      |      |            |                                      |        |
| 1.1   | Group A                                                                                                                                                                                                                                                                                                                                                                            | 12   | each | 592        | Rupees Five Hundred Ninety Two Only  | 7104   |
| 1.2   | Group B                                                                                                                                                                                                                                                                                                                                                                            | 3    | each | 674        | Rupees Six Hundred Seventy Four Only | 2022   |
| 2     | Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required. |      |      |            |                                      |        |
| 2.1   | Group A                                                                                                                                                                                                                                                                                                                                                                            | 4    | each | 668        | Rupees Six Hundred Sixty Eight Only  | 2672   |
| 3     | Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in PVC casing & capping as required                                                                                                                                                                                                     |      |      |            |                                      |        |
| 3.1   | 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire                                                                                                                                                                                                                                                                                                                                         | 47   | Mtrs | 149        | Rupees One Hundred Fourty Nine Only  | 7003   |
| 3.2   | 2 X 4 sq. mm + 1 X 4 sq. mm earth wire                                                                                                                                                                                                                                                                                                                                             | 48   | Mtrs | 248        | Rupees Two Hundred Fourty Eight Only | 11904  |
| 4     | Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.                                                                                                                                                                              |      |      |            |                                      |        |
| 4.1   | 2 X 4 sq. mm + 1 X 4 sq. mm earth wire                                                                                                                                                                                                                                                                                                                                             | 33   | Mtrs | 261        | Rupees Two Hundred Sixty One Only    | 8613   |
| 4.2   | 2 X 10 sq. mm + 1 X 6 sq. mm earth wire                                                                                                                                                                                                                                                                                                                                            | 8    | Mtrs | 509        | Rupees Five Hundred Nine Only        | 4072   |
| 5     | Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.                                                                                      | 18   | Each | 303        | Rupees Three Hundred Three Only      | 5454   |
| 6     | Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.                                                                           | 14   | Each | 396        | Rupees Three Hundred Ninety Six Only | 5544   |

✓

|      |                                                                                                                                                                                                                                                                                                                                                                                                                       |     |      |       |                                                   |       |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|-------|---------------------------------------------------|-------|
| 7    | Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.                                                                                                                                                                           | 1   | Each | 712   | Rupees Seven Hundred Twelve Only                  | 712   |
| 8    | Providing and installation of following type of LED batten with aluminium housing, anti glare polycarbonate diffuser and energy efficient constant current, integral electronic driver; suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clamps, connections, testing etc. as required: of Approved Make                                                          |     |      |       |                                                   |       |
| 8.1  | LED Batten Light 10W                                                                                                                                                                                                                                                                                                                                                                                                  | 5   | each | 582   | Rupees Five Hundred EightyTwo Only                | 2910  |
| 8.2  | LED Batten Light 24W                                                                                                                                                                                                                                                                                                                                                                                                  | 30  | each | 825   | Rupees Eight Hundred TwentyFive Only              | 24750 |
| 9    | Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:-                                                                                                                     |     |      |       |                                                   |       |
| 9.1  | 3 Liter capacity water heater                                                                                                                                                                                                                                                                                                                                                                                         | 1   | each | 5800  | Rupees Five Thousand Eight Hundred Only           | 5800  |
| 9.2  | 25 Liter capacity water heater (Cat-B)                                                                                                                                                                                                                                                                                                                                                                                | 1   | each | 10635 | Rupees Ten Thousand Six Hundred ThirtyFive Only   | 10635 |
| 10   | Providing and installation of following type of LED Bulkhead of suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clips & loop in loop out wire, connections, testing and commissioning etc. as required. Make: Philips, Syska, GE, Bajaj, C&S, Jaguar, or any other approved by Engineer-in-Charge.                                                               |     |      |       |                                                   |       |
| 10.1 | LED Bulkhead 10 Watt                                                                                                                                                                                                                                                                                                                                                                                                  | 3   | each | 1361  | Rupees One Thousand Three Hundred SixtyOne Only   | 4083  |
| 11   | Providing and installation of following type of surface mounting square/round type LED panel Light with aluminium die cast housing in white finish with anti glare polycarbonate diffuser and separated energy efficient constant current, non-integral, electronic driver; suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make |     |      |       |                                                   |       |
| 11.1 | Square/round LED Panel Light 6/7W Surface                                                                                                                                                                                                                                                                                                                                                                             | 2   | each | 1097  | Rupees One Thousand NinetySeven Only              | 2194  |
| 11.2 | Square/round LED Panel Light 10/12W Surface                                                                                                                                                                                                                                                                                                                                                                           | 4   | each | 1574  | Rupees One Thousand Five Hundred SeventyFour Only | 6296  |
| 11.3 | Square/round LED Panel Light 18/20W Surface                                                                                                                                                                                                                                                                                                                                                                           | 7   | each | 2153  | Rupees Two Thousand One Hundred FiftyThree Only   | 15071 |
| 12   | Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.                                                                                                                                                                                                                                                                                    |     |      |       |                                                   |       |
| 12.1 | 5/6 amps switch                                                                                                                                                                                                                                                                                                                                                                                                       | 108 | each | 39    | Rupees ThirtyNine Only                            | 4212  |
| 12.2 | 3 pin 5/6 A socket outlet                                                                                                                                                                                                                                                                                                                                                                                             | 31  | each | 65    | Rupees SixtyFive Only                             | 2015  |
| 12.3 | Bell push                                                                                                                                                                                                                                                                                                                                                                                                             | 3   | each | 65    | Rupees SixtyFive Only                             | 195   |
| 12.4 | 15/16 A switch                                                                                                                                                                                                                                                                                                                                                                                                        | 27  | each | 119   | Rupees One Hundred Nineteen Only                  | 3213  |

|                |                                                                                                                                                                                                                                                    |    |      |      |                                                  |               |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|------|--------------------------------------------------|---------------|
| 12.5           | 6 pin 15/16 A socket outlet                                                                                                                                                                                                                        | 23 | each | 129  | Rupess One Hundred TwentyNine Only               | 2967          |
| 13             | Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.                                                                                                                                                     | 4  | Each | 167  | Rupess One Hundred SixtySeven Only               | 668           |
| 14             | Supplying and fixing PVC batten/ angle holder including connections etc. as required.                                                                                                                                                              | 23 | Each | 80   | Rupess Eighty Only                               | 1840          |
| 15             | Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.       |    |      |      |                                                  |               |
| 15.1           | Single pole                                                                                                                                                                                                                                        | 14 | each | 251  | Rupess Two Hundred FiftyOne Only                 | 3514          |
| 16             | Providing and installation exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: of Approved Make |    |      |      |                                                  |               |
| 16.1           | Exhaust Fan. Light duty. (Domestic) 225 mm sweep                                                                                                                                                                                                   | 10 | each | 1811 | Rupess One Thousand Eight Hundred Eleven Only    | 18110         |
| 16.2           | Exhaust Fan. Light duty. (Domestic) 300 mm sweep                                                                                                                                                                                                   | 1  | each | 2053 | Rupess Two Thousand FiftyThree Only              | 2053          |
|                | Providing and fixing following rating and breaking capacity and pole MCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.       |    |      |      |                                                  |               |
| 17             | 100 A. 16 KA.TPMCCB                                                                                                                                                                                                                                | 1  | EACH | 4624 | Rupess Four Thousand Six Hundred TwentyFour Only | 4624          |
| <b>Total:-</b> |                                                                                                                                                                                                                                                    |    |      |      |                                                  | <b>170250</b> |

Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 2500/- Only.

*Draft Schedule of Quantity approved for Rs. 1,79,250/-  
(Rupees. One Lac. Seventy Thousand Two Hundred  
Twenty Five Only.)*

*Executive Engineer,  
Electrical Division, Bel  
17/12/2023, Shri 17/12/23*

## DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs. 4,26,989/- only

Earnest Money:- Rs. 8600/- only

Time:- Two Year

Name of work:- Annual Maintenance of 1 No passenger Lift (Otis make) machine No. Y002249 at Nirman Bhawan building, Shimla-2.w.e.f 1-03-2024 to 28-02-2026

| S.No. | Description of Items                                                                                                                                                                                                                                                                                                                                           | Qty. | Unit | Rate       |                                                              | Amount        |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------------|--------------------------------------------------------------|---------------|
|       |                                                                                                                                                                                                                                                                                                                                                                |      |      | In Figures | In words                                                     |               |
| 1     | Regular examination, lubrication and adjustment of the equipment and planned maintenance in a systematic manner and replacement of parts as detailed below:-                                                                                                                                                                                                   |      |      |            |                                                              |               |
|       | (i) Check all wires ropes and chains to maintain an adequate factor of safety, to equalize tension on all hoisting ropes, repair or replace conductor cables and hoistway and machine room elevator wiring and replace the same if required under intimation to Er-in-Charge.                                                                                  |      |      |            |                                                              |               |
|       | (ii) Systematic examining and adjustment of motor, machine, panel, car door operator, touch/push buttons, car door hanger, car frame car safety mechanism and platform, emergency light, emergency alarm, lift fan and batteries etc and replacement of all equipments and cards required to make the lift functional.                                         |      |      |            |                                                              |               |
|       | (iii) Examine periodically all safety devices and governor and all customary safety tests.                                                                                                                                                                                                                                                                     |      |      |            |                                                              |               |
|       | (iv) The Firm will provide emergency minor adjustment call back services 24 hours as all working days as well as holidays/Sundays. The firm will maintain the lift in reliable and efficient operating conditions. The max breakdown period for lift shall not be more than 48 hours in any case, otherwise penalty will be imposed on the firm per day basis. |      |      |            |                                                              |               |
| 2     | Machine no. Y002249                                                                                                                                                                                                                                                                                                                                            |      |      |            |                                                              |               |
| 2.1   | Rate for 2024-25 i.e from 01/03/2024 to 28/02/2025                                                                                                                                                                                                                                                                                                             | 1    | year | 208287     | Rupess Two Lakh Eight Thousand Two Hundred Eighty Seven Only | 208287        |
| 2.2   | Rate for 2025-26 i.e from 01/03/2025 to 28/02/2026                                                                                                                                                                                                                                                                                                             | 1    | year | 218702     | Rupess Two Lakh Eighteen Thousand Seven Hundred Two Only     | 218702        |
|       | <b>Total:-</b>                                                                                                                                                                                                                                                                                                                                                 |      |      |            |                                                              | <b>426989</b> |

*Draft Schedule of Quantity approved for Rs. 4,26,989/- only  
(Ropes, Four Lacs Twenty Six thousand Nine Hundred Eighty Nine) only*

Executive Engineer,

Electrical Division No-1

Nirman Bhawan, Shimla-171003



# DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs.4,11,519/- only  
Earnest Money:- Rs.8300 /- only  
Time:- One Month

Name of work:- Replacement old Damaged/Unserviceable panel with new L.T. Panel (accommodating energy meters) and other accessories in Block-A MLA Hostel Vidhan Sabha Shimla -4.

| S.No. | Description of Items                                                                                                                                                                                                                                                                                                                                                                                     | Qty. | Unit  | Rate       |                                                     | Amount |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|------------|-----------------------------------------------------|--------|
|       |                                                                                                                                                                                                                                                                                                                                                                                                          |      |       | In Figures | In words                                            |        |
| 1     | Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.                                                                                                                                                                                                    |      |       |            |                                                     |        |
| 1.01  | 2 X 16.0 sq. mm + 1 X 6 sq. mm earth wire                                                                                                                                                                                                                                                                                                                                                                | 35   | Meter | 716        | Rupees Seven Hundred Sixteen Only                   | 25060  |
| 2     | Providing & Laying of one number aluminium conductor, PVC insulated and PVC sheathed armoured/ XLPE power cable, 1.1 KV grade of following sizes on wall surface as required.                                                                                                                                                                                                                            |      |       |            |                                                     |        |
| 2.01  | Armoured cable 185 sq. mm (3.5 core)                                                                                                                                                                                                                                                                                                                                                                     | 58   | Meter | 2033       | Rupees Two Thousand Thirty Three Only               | 117914 |
| 3     | Earthing with advance chemical of Copper Electrode dia. 50 mm, length of rod 2 mtr/2000mm with NABL certification along with 25kg of BFC Silica base bag including accessories, and providing masonry enclosure with cover plate having locking arrangement etc. as required.                                                                                                                            | 2    | each  | 11422      | Rupees Eleven Thousand Four Hundred Twenty Two Only | 22844  |
| 4     | Providing, laying and fixing of one No. Copper conductor, PVC insulated and PVC sheathed, unarmoured/XLPE power cable, working voltage 1100 volts grade on surface etc. of the required size, complete in all respect including making connections, testing etc. as required. Make , Plaza Cables , Havells or as approved by Engineer-in-Charge Copper Conductor Cable 25 sq mm Single core Unarmoured. | 60   | each  | 535        | Rupees Five Hundred Thirty Five Only                | 32100  |

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |   |   |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---|---|
| 5    | Supplying, Installation, Testing and Commissioning of indoor s/door, Cubical L.T. Panel. The Panel shall be compartmentalized type having space and Arrangement for incoming and outgoing cables/bus ducting, switchgear, insulated and properly supported compartmentalized bus-bars, interconnection between bus bars and switchgear with auxiliary bus bars/insulated conductors/strips etc. It shall be Fabrication in 1.6MM, CRCA Sheet Powder Coating in Siemens Gray Shade, 75x40mm Channel Base Frame, Cable Entry will be Top & Bottom Suitable for Cable Lock, Rubber Gasket, hardware etc. . Aluminium E-91 Grade Main Bus Bar, Load wise Sub Feeder Bus Bar Colour Coated Heat Shrink Bus Bar sleeve Nut-Bolt, Washer, Hardware etc. 400AMP, Aluminium E-91 Grade Main Bus Bar, Load wise Sub Feeder Bus Bar Colour Coated Heat Shrink Bus Bar sleeve Nut-Bolt, Washer, Hardware etc. Approximate Size of panel (H) 1700MMX (W) 1900MMX (D) 250MM. All busbar links, copper solid/ copper flexible wire interconnection busbar to MCCB/MCB to field side for cable termination shall be covered/ insulated with heat shrinkable sleeves of coloured coated Red, Yellow, Blue & Black. Power & Control Wiring will be (ISI 1100V) Flame smoke FRLS, PVC Single Core Copper Wire, Copper Lugs, PVC Sleeve, Ferrules Numbers, Hardware & Labour etc. & labour etc. gasket, doorlocks, reading glass, wooden, copper flexible door earth, legend plates etc. as per specification. The Panel shall include the following Switchgear & accessories: as per the Make of Schneider, L&T, Siemens, ABB etc. |  |  |  |   |   |
| 5.01 | Main Incomer :- MCCB 320A 4P 25KA TN/R With O/L & S/C Protection (1No.), Spreader Terminal MCCB 320A 4P (1No.) Current Transformer 300/5Amp. (3Nos), Phase Indicating Lamp R Y B (3Nos), Control SP MCB (3Nos), Terminal Strip (1No), ( Digital metering set ( detail below) (1No.) Amp. Meter 96x96MM (1No.) Volt Meter 96x96MM (1 No.) Ammeter selector switch (1No.),                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |   |   |
| 5.02 | Outgoing:- Space for KWH Meter Single Phase (12Nos.), MCB DP 32Amps (12Nos.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  | 0 | 0 |
| 5.03 | <b>Fabrication/Painting &amp; Assembly:-</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |   |   |
| 5.04 | Fabrication charges of cubical type, indoor type, Wall mounted, fixed type, free standing single front, dust proof & compartmentalized Distribution Board made out of M.S. CRC Sheet 16G, duly painted with Siemens Grey Powder Coated Paint with Siemens Grey colour per specification. Approximate Size (H) 1700MMX (W) 1900MMX (D) 250MM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |   |   |
| 5.05 | Assembly Charges of 400A 4Strip Aluminium Busbar (Horizontal/ Vertical) & Earth stud (current density of Aluminium Busbar shall be 1mmx1mm=1.00 Amp.) Aluminium shall be Electric Grade, Busbar supports shall be DMC epoxy Insulators. All Busbars Links shall be covered/ insulated with Heat Shrinkable sleeves of coloured coded Red, Yellow, Blue & Black.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |   |   |

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |        |                                                    |               |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-----|--------|----------------------------------------------------|---------------|
| 5.06 | Assembly Charges of copper solid/ Copper flexible wire interconnection 16mm Busbar to meter to field side for Cable termination duly covered/ insulated with Heat Shrinkable sleeves of coloured coded Red, Yellow, Blue & Black. All Interconnections of fields side are supported by conical, L & Finger type insulators of adequate size to support & sustain the weight of cables.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |        |                                                    |               |
| 5.07 | Control Wiring with Copper flexible Wire (size of control wire shall be 2.5 sq. mm Copper flexible for C.T. Circuit & 1.0 sq. mm for Control & 1.0sq. mm for Scada Wiring) with thimbles printed sleeves, tie & belt etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |     |        |                                                    |               |
| 5.08 | The cost of panel should be complete with Assembly charges of 400A 4 strips Busbar (horizontal/vertical & earth strip throughout the length of panel (current density of aluminium busbar shall not be less than 1.0 amps/ mm <sup>2</sup> sq. Aluminium shall be electric grade E-91E. busbar supports shall be DMC epoxy insulator. All busbars links shall be covered/insulated with heat shrinkable sleeves of coloured coded Red, Yellow, Blue & Black. Approximate size of panel. Assembly charges of aluminium copper solid /copper flexible wire interconnections in ACB/SWITCH & ACB/MCCB to field side for cable termination duly covered/insulated with heat shrinkable sleeves of coloured coded Red, Yellow, Blue & Black. All interconnections of fields side are supported by conical L & Fingers type insulators of adequate size to support sustain the weight of cables. control wiring with copper flexible wire (size of control wire shall be 2.5 sqmm copper flexible for CT circuit & 1.0 sqmm for control & 1.0 sqmm for scada wiring) with thimbles printed sleeves, tie & belt etc. Assembly charges of accessories like gasket, doorlocks, copper flexible door earth legend plates etc. and should be complete with all accessories as detailed above ( 5.01 to 5.07 ) The Switchgear & accessories, should be of Schneider, L&T, Siemens, ABB, HAVEL. | 1 | Job | 204101 | Rupees Two Lakh Four Thousand One Hundred One Only | 204101        |
| 6    | Detecting of old main Electrical Panel with meter box Including Cables, Sub-mains including cutting etc. as required in all respects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1 | job | 9500   | Rupees Nine Thousand Five Hundred Only             | 9500          |
|      | <b>Total:-</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |   |     |        |                                                    | <b>411519</b> |

*Draft Schedule of quantity approved for Rs. 4,11,519/- only  
(Rupees. Four Lacs Eleven Thousand Five Hundred Nineteen) only*

*Executive Engineer,  
Electrical Division No-1,  
HPTCL, Shimla-171003*

# DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs. 3,89,362/- only  
Earnest Money:- Rs. 8000/- only  
Time:- Two Months

Name of work:- Replacement old Damaged/Unserviceable panel with new L.T. Panel (accommodating energy meters) and other accessories in Block-B MLA Hostel Vidhan Sabha Shimla -4.

| S.No. | Description of Items                                                                                                                                                                                                                                                                                                                                                                                      | Qty. | Unit  | Rate       |                                                    | Amount |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|------------|----------------------------------------------------|--------|
|       |                                                                                                                                                                                                                                                                                                                                                                                                           |      |       | In Figures | In words                                           |        |
| 1     | Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor. single core cable in surface/ recessed medium class PVC conduit as required.                                                                                                                                                                                                     |      |       |            |                                                    |        |
| 1.01  | 2 X 16.0 sq. mm + 1 X 6 sq. mm earth wire                                                                                                                                                                                                                                                                                                                                                                 | 32   | Meter | 716        | Rupees Seven Hundred Sixteen Only                  | 22912  |
| 2     | Providing & Laying of one number aluminium conductor. PVC insulated and PVC sheathed armoured XLPE power cable, 1.1 KV grade of following sizes on wall surface as required.                                                                                                                                                                                                                              |      |       |            | 0                                                  | 0      |
| 2.01  | Armoured cable 185 sq. mm (3.5 core)                                                                                                                                                                                                                                                                                                                                                                      | 35   | Meter | 2033       | Rupees Two Thousand ThirtyThree Only               | 71155  |
| 3     | Earthing with advance chemical of Copper Electrode dia. 50 mm. length of rod 2 mtr/2000mm with NABL certification along with 25kg of BFC Silica base bag including accessories, and providing masonry enclosure with cover plate having locking arrangement etc. as required.                                                                                                                             | 2    | each  | 11422      | Rupees Eleven Thousand Four Hundred TwentyTwo Only | 22844  |
| 4     | Providing, laying and fixing of one No. Copper conductor, PVC insulated and PVC sheathed, unarmoured/XLPE power cable, working voltage 1100 volts grade on surface etc. of the required size, complete in all respect including making connections, testing etc. as required. Make . Plaza Cables . Havells or as approved by Engineer-in-Charge. Copper Conductor Cable 25 sq mm Single core Unarmoured. | 110  | each  | 535        | Rupees Five Hundred ThirtyFive Only                | 58850  |

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
|      | Supplying, Installation, Testing and Commissioning of indoor s/door, Cubical L.T. Panel.<br>The Panel shall be compartmentalized type having space and Arrangement for incoming and outgoing cables/bus ducting, switchgear, insulated and properly supported compartmentalized bus-bars, interconnection between bus bars and switchgear with auxiliary bus bars/insulated conductors/strips etc. It shall be Fabrication in 1.6MM, CRCA Sheet Powder Coating in Siemens Gray Shade, 75x40mm, Channel Base Frame, Cable Entry will be Top & Bottom Suitable for Cable Lock, Rubber Gasket, hardware etc.. Aluminium E-91 Grade Main Bus Bar, Load wise Sub Feeder Bus Bar Colour Coated Heat Shrink Bus Bar sleeve Nut-Bolt, Washer, Hardware etc. 400AMP. Aluminium E-91 Grade Main Bus Bar, Load wise Sub Feeder Bus Bar Colour Coated Heat Shrink Bus Bar sleeve Nut-Bolt, Washer, Hardware etc. Approximate Size of panel (H) 1700MMX (W) 1900MMX (D) 250MM. All busbar links, copper solid/ copper flexible wire interconnection busbar to MCCB/MCB to field side for cable termination shall be covered/ insulated with heat shrinkable sleeves of coloured coated Red, Yellow, Blue & Black. Power & Control Wiring will be (ISI 1100V) flame smoke FRLS PVC Single Core Copper Wire, Copper Lugs, PVC Sleeve, Ferrules Numbers, Hardware & Labour etc. & labour etc, gasket, doorlocks, reading glass, wooden, copper flexible door earth, legend plates etc as per specification. The Panel shall include the following Switchgear & accessories: as per the Make of Schneider, L&T, Siemens, ABB etc. |  |  |  |  |  |
| 5    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |
| 5.01 | Main Incoming :- MCCB 320A 4P 25KA TMR With O/L & S/C Protection (1No.), Spreader Terminal MCCB 320A 4P (1No.) Current Transformer 300/5Amp. (3Nos) ,Phase Indicating Lamp R Y B (3Nos) ,Control SP MCB (3Nos) , Terminal Strip (1No) , ( Digital metering set ( detail below) (1No.) Amp. Meter 96x96MM (1No.) Volt Meter 96x96MM (1 No.) Ammeter selector switch (1No.).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |
| 5.02 | <b>Outgoing:-</b> Space for KWH Meter Single Phase (12Nos.), MCB DP 32Amps, (12Nos.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |
| 5.03 | <b>Fabrication/Painting &amp; Assembly:-</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |
| 5.04 | Fabrication charges of cubical type, Indoor type, Wall mounted, fixed type, free standing single front, dust proof & compartmentalized Distribution Board made out of M.S. CRCA Sheet 16G, duly painted with Siemens Grey Powder Coated Paint with siemens Grey colour per specification. Approximate Size (H) 1700MMX (W) 1900MMX (D) 250MM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |
| 5.05 | Assembly Charges of 400A 4Strip Aluminium Busbar (Horizontal/ Vertical) & Earth strand (current density of Aluminium Busbar shall be 1mm <sup>2</sup> mm=1.00 Amp.) Aluminium shall be Electric Grade. Busbar supports shall be DMC epoxy Insulators. All Busbars Links shall be covered/ insulated with Heat Shrinkable sleeves of coloured coded Red, Yellow, Blue & Black.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |     |        |                                                    |        |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-----|--------|----------------------------------------------------|--------|
| 5.06 | Assembly Charges of copper solid/ Copper flexible wire interconnection 16mm Busbar to meter to field side for Cable termination duly covered/ insulated with Heat Shrinkable sleeves of coloured coded Red, Yellow, Blue & Black. All Interconnections of fields side are supported by conical, L & Finger type insulators of adequate size to support & sustain the weight of cables.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |   |     |        |                                                    |        |
| 5.07 | Control Wiring with Copper flexible Wire (size of control wire shall be 2.5 sq. mm Copper flexible for C.T. Circuit & 1.0 sq. mm for Control & 1.0sq. mm for Scada Wiring) with thimbles printed sleeves, tie & belt etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1 | Job | 204101 | Rupees Two Lakh Four Thousand One Hundred One Only | 204101 |
| 5.08 | The cost of panel should be complete with Assembly charges of 400A 4 strips Busbar (horizontal/vertical & earth strip throughout the length of panel (current density of aluminium busbar shall not be less than 1.0 amps/ mm <sup>2</sup> . Aluminium shall be electric grade E-91E. busbar supports shall be DMC epoxy insulator. All busbars links shall be covered /insulated with heat shrinkable sleeves of coloured coded Red, Yellow, Blue & Black. Approximate size of panel. Assembly charges of aluminium copper solid /copper flexible wire interconnections in ACB/SWITCH & ACB/MCCB to field side for cable termination duly covered/insulated with heat shrinkable sleeves of coloured coded Red, Yellow, Blue & Black. All interconnections offields side are supported by conical L & Fingers type insulators of adequate size to support sustain the weight of cables. control wiring with copper flexible wire (size of control wire shall be 2.5 sqmm copper flexible for CT circuit & 1.0 sqmm for control & 1.0 sqmm for scada wiring) with thimbles printed sleeves, tie & belt etc. Assembly charges of accessories like gasket, doorlocks, copper flexible door earth legend plates etc. and should be complete with all accessories as detailed above ( 5.01 to 5.07 ) The Switchgear & accessories, should be of Schneider, L&T, Siemens, ABB, HAVEL. |   |     |        |                                                    |        |
| 6    | Detecting of old main Electrical Panel with meter box Including Cables, Sub-mains including cutting etc. as required in all respects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 | job | 9500   | Rupees Nine Thousand Five Hundred Only             | 9500   |
|      | <b>Total:-</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |   |     |        |                                                    | 389362 |

*DAIT approved for Rs = 3,89,362 only*

*for*  
**Executive Engineer,**  
**Electricity Division No-1**  
**202300, Shimla-176003**

## DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs. 4,56,468/- only

Earnest Money:- Rs.9200 /- only

Time:- One Months

Name of work:- Providing Special Repair/Additional Alternation and Renovation to E.I and biometric points in Hon'ble Justice chambers, kitchen, toilets, Judges Lounge and outside at various floors of HP High court Shimla .

| S.No. | Description of Items                                                                                                                                                                                                                                                                                                                          | Qty. | Unit | Rate       |                                                   | Amount |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------------|---------------------------------------------------|--------|
|       |                                                                                                                                                                                                                                                                                                                                               |      |      | In Figures | In words                                          |        |
| 1     | Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. |      |      |            |                                                   |        |
| 1.1   | Group C                                                                                                                                                                                                                                                                                                                                       | 66   | Each | 1376       | Rupees One Thousand Three Hundred SeventySix Only | 90816  |
| 2     | Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required                                                                                                                                          |      |      |            |                                                   |        |
| 2.1   | 2 X 1.5 sq. mm + 1 X 1.5 sq. mm                                                                                                                                                                                                                                                                                                               | 156  | Mtr  | 220        | Rupees Two Hundred TwentyOne Only                 | 34476  |
| 2.2   | 2 X 4 sq. mm + 1 X 4 sq. mm                                                                                                                                                                                                                                                                                                                   | 90   | Mtr  | 364        | Rupees Three Hundred SixtyFour Only               | 32760  |
| 2.3   | 4 X 4 sq. mm + 2 X 4 sq. mm                                                                                                                                                                                                                                                                                                                   | 19   | Mtr  | 627        | Rupees Six Hundred TwentySeven Only               | 11913  |
| 3     | Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.                                                                                                             | 27   | Each | 545        | Rupees Five Hundred FourtyFive Only               | 14715  |
| 4     | Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.                                                                                                   | 14   | Each | 766        | Rupees Seven Hundred SixtySix Only                | 10724  |
| 5     | Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)                              |      |      |            |                                                   |        |
| 5.1   | 12 way, Double door                                                                                                                                                                                                                                                                                                                           | 2    | Each | 3196       | Rupees Three Thousand One Hundred NinetySix Only  | 6392   |
| 5.2   | 8 way, Double door                                                                                                                                                                                                                                                                                                                            | 1    | Each | 2710       | Rupees Two Thousand Seven Hundred Ten Only        | 2710   |
| 6     | Supplying and fixing 6 Amps to 32 amps rating, 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.                                                                                        |      |      |            |                                                   |        |
| 6.1   | MCB Single pole                                                                                                                                                                                                                                                                                                                               | 22   | Each | 313        | Rupees Three Hundred Thirteen Only                | 6886   |

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |      |      |                                                    |        |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|------|----------------------------------------------------|--------|
| 6.2  | MCB Double pole 40/63 Amp                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3   | Each | 1429 | Rupees One Thousand Four Hundred TwentyNine Only   | 4287   |
| 7    | Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.                                                                                                                                                                            |     |      |      |                                                    |        |
| 7.1  | RCCB DP 63 A                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1   | Each | 4355 | Rupees Four Thousand Three Hundred FiftyFive Only  | 4355   |
| 7.2  | RCCB DP 40 A                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1   | Each | 2772 | Rupees Two Thousand Seven Hundred SeventyTwo Only  | 2772   |
| 8    | Providing & Laying of one number aluminium conductor, PVC insulated and PVC sheathed armoured XLPE power cable 1.1 KV grade of following sizes on wall surface as required.                                                                                                                                                                                                                                                                                |     |      |      |                                                    |        |
| 8.1  | Armoured cable 10 sq. mm (twin core)                                                                                                                                                                                                                                                                                                                                                                                                                       | 50  | Mtr  | 228  | Rupees Two Hundred TwentyEight Only                | 11400  |
| 8.2  | Armoured cable 16 sq. mm (twin core)                                                                                                                                                                                                                                                                                                                                                                                                                       | 50  | Mtr  | 231  | Rupees Two Hundred ThirtyOne Only                  | 11550  |
| 9    | Providing and installation of following type of recess mounting square/round type LED panel Light with aluminium die cast housing in white finish with anti glare polycarbonate diffuser and separated energy efficient constant current, non-integral, electronic driver, suitable for input voltage: AC 220-240 V, 50/60Hz, including making cut in the ceiling to suit the size of the fitting, connections, testing etc. as required: of Approved Make |     |      |      |                                                    |        |
| 9.1  | 24 watt T*P                                                                                                                                                                                                                                                                                                                                                                                                                                                | 21  | Each | 2398 | Rupees Two Thousand Three Hundred NinetyEight Only | 50358  |
| 9.2  | 15 watt                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4   | Each | 1059 | Rupees One Thousand FiftyNine Only                 | 4236   |
| 10   | Providing and installation of following type of surface mounting square/round type LED panel Light with aluminium die cast housing in white finish with anti glare polycarbonate diffuser and separated energy efficient constant current, non-integral, electronic driver, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make                                      |     |      |      |                                                    |        |
| 10.1 | Square/round LED Panel Light 18/20W Surface                                                                                                                                                                                                                                                                                                                                                                                                                | 1   | Each | 1963 | Rupees One Thousand Nine Hundred SixtyThree Only   | 1963   |
| 10.2 | Square LED Panel Light 30W Surface                                                                                                                                                                                                                                                                                                                                                                                                                         | 1   | Each | 5880 | Rupees Five Thousand Eight Hundred Eighty Only     | 5880   |
| 11   | Providing and installation of following type of LED batten with aluminium housing, anti glare polycarbonate diffuser and energy efficient constant current, integral electronic driver, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clamps, connections, testing etc. as required: of Approved Make                                                                                               |     |      |      |                                                    |        |
| 11.1 | LED Batten Light 10W                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2   | Each | 677  | Rupees Six Hundred SeventySeven Only               | 1354   |
| 11.2 | LED Batten Light 20 W                                                                                                                                                                                                                                                                                                                                                                                                                                      | 105 | Each | 1071 | Rupees One Thousand SeventyOne Only                | 112455 |
| 12   | Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed Steel/ PVC conduit as required.                                                                                                                                                                                                                                                                                                                                      |     |      |      |                                                    |        |
| 12.1 | 1 run of cable                                                                                                                                                                                                                                                                                                                                                                                                                                             | 20  | Mtr  | 55   | Rupees FiftyFive Only                              | 1100   |

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     |      |      |                                                |               |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|------|------------------------------------------------|---------------|
| 13   | Providing and fixing IO switch with plate and cat-6 connector with PVC box as required complete in all respect..                                                                                                                                                                                                                                                                                                                                                                                 | 4   | Each | 1000 | Rupees One Thousand Only                       | 4000          |
| 14   | Providing and fixing led Rope light 7 watt per meter warm white in colour goldmedal make or equivalent as per the satisfaction of Engineer-in-charge                                                                                                                                                                                                                                                                                                                                             | 126 | Mtr  | 175  | Rupees One Hundred SeventyFive Only            | 22050         |
| 15   | Providing and fixing led driver for rope light of rating 12V/5 Amp of goldmedal make or equivalent as per the satisfaction of Engineer-in-charge                                                                                                                                                                                                                                                                                                                                                 | 8   | Each | 700  | Rupees Seven Hundred Only                      | 5600          |
| 16   | Providing and installation of Light duty, plastic body, Ventilating Fan, Light duty, (Plastic body) 250 mm sweep in the existing opening, by means of suitable rag-bolts/nuts, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required complete in all respects to the satisfaction of the Engineer-in-Charge:- Make: Havells, Bajaj, Crompton Greaves, Usha, or any other approved by Engineer-in-charge. |     |      |      |                                                |               |
| 16.1 | Ventilair Fan Light duty, (Domestic) 200 mm sweep                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1   | Each | 1716 | Rupees One Thousand Seven Hundred Sixteen Only | 1716          |
|      | <b>Total:-</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |      |      |                                                | <b>456468</b> |

*Draft Schedule of Quantity approved for Rs. 4,56,468/- only  
(Rupees. Four Lacs. Fifty Six Thousand Four Hundred Sixty Eight) only.*

*Executive Engineer,  
Electrical Division No-1  
Muzaffargarh, Sindh-75200*

# DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs. 2,37,039/- only  
 Earnest Money:- Rs. 4800/- only  
 Time:- One Month

Name of work:- Renovation of Kitchen, bath rooms, Toilets in (Set no-408,312,109,209,106 & 206 etc.) at Jawahar Lal Nehru Vidhayak Sadan (MLA's Hostel) at Vidhan Sabha Shimla -4 (SH: Providing Additional Alternation to E.L. therein)

| S.No. | Description of Items                                                                                                                                                                                                                                                                                                                                         | Qty. | Unit  | Rate       |                                       | Amount |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|------------|---------------------------------------|--------|
|       |                                                                                                                                                                                                                                                                                                                                                              |      |       | In Figures | In words                              |        |
| 1     | Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. |      |       |            |                                       |        |
| 1.01  | Group B                                                                                                                                                                                                                                                                                                                                                      | 24   | point | 901        | Rupees Nine Hundred One Only          | 21624  |
| 2     | Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel conduit including dismantling as required.                                               |      |       |            |                                       |        |
| 2.01  | Group B                                                                                                                                                                                                                                                                                                                                                      | 10   | point | 464        | Rupees Four Hundred Sixty Four Only   | 4640   |
| 3     | Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.                                                                                                                                                                                            |      |       |            |                                       |        |
| 3.01  | 4 X 1.5 sq. mm                                                                                                                                                                                                                                                                                                                                               | 18   | Meter | 101        | Rupees One Hundred One Only           | 1818   |
| 4     | Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.                                                                                                                                                        |      |       |            |                                       |        |
| 4.01  | 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire                                                                                                                                                                                                                                                                                                                   | 55   | Meter | 171        | Rupees One Hundred Seventy One Only   | 9405   |
| 4.02  | 2 X 4 sq. mm + 1 X 4 sq. mm earth wire                                                                                                                                                                                                                                                                                                                       | 67   | Meter | 269        | Rupees Two Hundred Sixty Nine Only    | 18023  |
| 4.03  | 2 X 10.0 sq. mm + 1 X 6 sq. mm earth wire                                                                                                                                                                                                                                                                                                                    | 4    | Meter | 518        | Rupees Five Hundred Eighteen Only     | 2072   |
| 4.04  | 4 X 4 sq. mm = 2 X 4 sq. mm earth wire                                                                                                                                                                                                                                                                                                                       | 44   | Meter | 452        | Rupees Four Hundred Fifty Two Only    | 19888  |
| 5     | Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.                                                                                                                       | 10   | each  | 548        | Rupees Five Hundred Fourty Eight Only | 5480   |
| 6     | Supplying and fixing suitable size GI box with modular plate and cover in FRLS on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.                                                                                                              | 11   | each  | 730        | Rupees Seven Hundred Thirty Only      | 8030   |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                 |    |       |         |                                                  |      |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|---------|--------------------------------------------------|------|
| 7     | Supplying and fixing electrical switch board, having 3 No. of 5 amp, modular switches and socket on suitable size of modular G.I box of 205mm X78 mm X 50 mm deep ( nominal size) on surface or in recess with suitable size modular sheet cover in the front i/c providing and fixing 3 No. 5 pin 5/6 amp modular socket outlet and 5/6 amp modular switch, connection, painting etc as req. (for light plugs) | 4  | point | 1032.00 | Rupees One Thousand ThirtyTwo Only               | 4128 |
| 8     | Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.                                                                                                                                                                                                                                                                                                     |    |       |         |                                                  |      |
| 8.01  | 1 or 2 Module                                                                                                                                                                                                                                                                                                                                                                                                   | 11 | each  | 137     | Rupees One Hundred ThirtySeven Only              | 1507 |
| 8.02  | 3 Module                                                                                                                                                                                                                                                                                                                                                                                                        | 5  | each  | 164     | Rupees One Hundred SixtyFour Only                | 820  |
| 8.03  | 4 Module                                                                                                                                                                                                                                                                                                                                                                                                        | 2  | each  | 182     | Rupees One Hundred EightyTwo Only                | 364  |
| 8.04  | 6 Module                                                                                                                                                                                                                                                                                                                                                                                                        | 22 | each  | 233     | Rupees Two Hundred ThirtyThree Only              | 5126 |
| 9     | Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.                                                                                                                                                                                                                                            |    |       |         |                                                  |      |
| 9.01  | 5/6 amps switch                                                                                                                                                                                                                                                                                                                                                                                                 | 56 | each  | 98      | Rupees NinetyEight Only                          | 5488 |
| 9.02  | 3 pin 5/6 A socket outlet                                                                                                                                                                                                                                                                                                                                                                                       | 27 | each  | 171     | Rupees One Hundred SeventyOne Only               | 4617 |
| 9.03  | 15/16 A switch                                                                                                                                                                                                                                                                                                                                                                                                  | 12 | each  | 176     | Rupees One Hundred SeventySix Only               | 2112 |
| 9.04  | 6 pin 15/16 A socket outlet                                                                                                                                                                                                                                                                                                                                                                                     | 12 | each  | 281     | Rupees Two Hundred EightyOne Only                | 3372 |
| 9.05  | 2 way 5/6 amps switch                                                                                                                                                                                                                                                                                                                                                                                           | 4  | each  | 163     | Rupees One Hundred SixtyThree Only               | 652  |
| 9.06  | Bell push                                                                                                                                                                                                                                                                                                                                                                                                       | 6  | each  | 166     | Rupees One Hundred SixtySix Only                 | 996  |
| 10    | Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.                                                                                                                                                                                                                                                                                                                  | 3  | each  | 170     | Rupees One Hundred Seventy Only                  | 510  |
| 11    | Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.                                                                                                                                                                    |    |       |         |                                                  |      |
| 11.01 | Single pole, Cat-A.                                                                                                                                                                                                                                                                                                                                                                                             | 33 | each  | 257     | Rupees Two Hundred FiftySeven Only               | 8481 |
| 12    | Supplying and fixing Higher Rating (80 to 125A) 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.                                                                                                                                                         |    |       |         |                                                  |      |
| 12.01 | MCB DP 50/63 A "C" curve                                                                                                                                                                                                                                                                                                                                                                                        | 5  | each  | 1429    | Rupees One Thousand Four Hundred TwentyNine Only | 7145 |
| 13    | Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)                                                                                                    |    |       |         |                                                  |      |
| 13.01 | 8 way, Double door                                                                                                                                                                                                                                                                                                                                                                                              | 2  | each  | 2265    | Rupees Two Thousand Two Hundred SixtyFive Only   | 4530 |
| 13.02 | 12 way, Double door                                                                                                                                                                                                                                                                                                                                                                                             | 2  | each  | 2692    | Rupees Two Thousand Six Hundred NinetyTwo Only   | 5384 |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |   |      |       |                                                      |       |  |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------|-------|------------------------------------------------------|-------|--|
| 14    | Providing and installation of following type of LED batten with aluminium housing, anti glare polycarbonate diffuser and energy efficient constant current, integral electronic driver, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clamps, connections, testing etc. as required: of Approved Make                                                                                               |   |      |       |                                                      |       |  |
| 14.01 | LED Batten Light 10W                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3 | each | 586   | Rupees Five Hundred EightySix Only                   | 1758  |  |
| 14.02 | LED Batten Light 20W                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2 | each | 798   | Rupees Seven Hundred NinetyEight Only                | 1596  |  |
| 15    | Providing and installation of following type of surface mounting square/round type LED panel Light with aluminium die cast housing in white finish with anti glare polycarbonate diffuser and separated energy efficient constant current, non-integral, electronic driver, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make                                      |   |      |       |                                                      |       |  |
| 15.01 | Square/round LED Panel Light 10/12W Surface                                                                                                                                                                                                                                                                                                                                                                                                                | 2 | each | 1578  | Rupees One Thousand Five Hundred SeventyEight Only   | 3156  |  |
| 15.02 | Square/round LED Panel Light 18/20W Surface                                                                                                                                                                                                                                                                                                                                                                                                                | 5 | each | 2158  | Rupees Two Thousand One Hundred FiftyEight Only      | 10790 |  |
| 16    | Providing and installation of following type of recess mounting square/round type LED panel Light with aluminium die cast housing in white finish with anti glare polycarbonate diffuser and separated energy efficient constant current, non-integral, electronic driver, suitable for input voltage: AC 220-240 V, 50/60Hz, including making cut in the ceiling to suit the size of the fitting, connections, testing etc. as required: of Approved Make |   |      |       |                                                      |       |  |
| 16.01 | Square/round LED Panel Light 15 W Recess                                                                                                                                                                                                                                                                                                                                                                                                                   | 3 | each | 1549  | Rupees One Thousand Five Hundred FortyNine Only      | 4647  |  |
| 16.02 | Square/round LED Panel Light 18/20W Recess                                                                                                                                                                                                                                                                                                                                                                                                                 | 6 | each | 1760  | Rupees One Thousand Seven Hundred Sixty Only         | 10560 |  |
| 16.03 | Square/round LED Panel Light 6W Recess                                                                                                                                                                                                                                                                                                                                                                                                                     | 6 | each | 968   | Rupees Nine Hundred SixtyEight Only                  | 5808  |  |
| 17    | Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc, complete as required:-                                                                                                                                                          |   |      |       |                                                      |       |  |
| 17.01 | 35 Liter capacity water heater (Cat-A)                                                                                                                                                                                                                                                                                                                                                                                                                     | 1 | each | 16683 | Rupees Sixteen Thousand Six Hundred EightyThree Only | 16683 |  |
| 18    | Installation of stationary storage type Electric water heater (Geyser) of various sizes by means of Expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required:-                                                                                                                                     | 3 | each | 875   | Rupees Eight Hundred SeventyFive Only                | 2625  |  |
| 19    | Supplying and fixing of fancy wall bracket/ Mirror light/ Bed Light containing LED lamp holder(s) of all sizes and shapes, complete with all accessories but excluding LED lamp including making connections, testing etc. as required.                                                                                                                                                                                                                    |   |      |       |                                                      |       |  |
| 19.01 | LED Bed Light                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4 | each | 1225  | Rupees One Thousand Two Hundred TwentyFive Only      | 4900  |  |

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |      |      |                                                  |               |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|------|--------------------------------------------------|---------------|
| 19.02          | fancy wall bracket                                                                                                                                                                                                                                                                                                                                                                                                                                   | 9  | each | 1650 | Rupees One Thousand Six Hundred Fifty Only       | 14850         |
| 20             | Providing and installation of following type of LED 9 W retrofit Lamp B-22 holder base with polycarbonate diffuser and aluminium heat sink including connections, testing and commissioning etc. as required. Make: Havells, Syska, Bajaj, Panasonic or any other approved by Engineer-in-Charge.                                                                                                                                                    |    |      |      |                                                  |               |
| 20.01          | LED 9 W retrofit Lamp                                                                                                                                                                                                                                                                                                                                                                                                                                | 11 | each | 158  | Rupees One Hundred FiftyEight Only               | 1738          |
| 21             | Providing and installation of Light duty, plastic body, ventilating fan of following sizes in the existing opening, by means of suitable rag-bolts/nuts, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required complete in all respects to the satisfaction of the Engineer-in-Charge:- Make: Havells, Bajaj, Crompton Greaves, Standard, Usha, Kahitan etc. |    |      |      |                                                  |               |
| 21.01          | fresh Air Ventilation fan 200 mm                                                                                                                                                                                                                                                                                                                                                                                                                     | 3  | each | 1716 | Rupees One Thousand Seven Hundred Sixteen Only   | 5148          |
| 21.02          | fresh Air Ventilation Fan 250 mm                                                                                                                                                                                                                                                                                                                                                                                                                     | 2  | each | 1934 | Rupees One Thousand Nine Hundred ThirtyFour Only | 3868          |
| 22             | Supplying and fixing fancy Pendant type light with single lamp holder of superior quality & make complete with all accessories/Chain etc. as required complete with holder including connections etc. as required:-                                                                                                                                                                                                                                  | 2  | each | 1350 | Rupees One Thousand Three Hundred Fifty Only     | 2700          |
| <b>Total:-</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |      |      |                                                  | <b>237039</b> |

Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 1500/- Only.

*Draft Schedule of Quantity approved for Rs. 2,37,039/- only  
(Rupees Two Lacs, Thirty Seven Thousand & Thirty Nine) only*

*Indu*  
Executive Engineer,  
Electrical Division No-1  
Hapur, Shimla-175003

# DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs.1,48,696/- only  
Earnest Money:- Rs. 3000/- only  
Time:- Two Months

Name of work:- Renovation of Kitchen, bath rooms, Toilets in (Set no 203,307,309,111,112,202 etc.) at Jawahar Lal Nehru Vidhyayak Sadan (MLA's Hostel) at Vidhan Sabha Shimla -4 (SH: Providing Additional Alternation to E.L. therein)

| S.No. | Description of Items                                                                                                                                                                                                                                                                                                                                                                                            | Qty. | Unit  | In Figures | Rate<br>In words                      | Amount |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|------------|---------------------------------------|--------|
| 1     | Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.                                                    |      |       |            |                                       |        |
| 1.01  | Group B                                                                                                                                                                                                                                                                                                                                                                                                         | 19   | point | 901        | Rupees Nine Hundred One Only          | 17119  |
| 2     | Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.                                                                                                                                                                                                           |      |       |            |                                       |        |
| 2.01  | 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire                                                                                                                                                                                                                                                                                                                                                                      | 23   | Meter | 171        | Rupees One Hundred Seventy One Only   | 3933   |
| 2.02  | 2 X 4 sq. mm + 1 X 4 sq. mm earth wire                                                                                                                                                                                                                                                                                                                                                                          | 22   | Meter | 269        | Rupees Two Hundred Sixty Nine Only    | 5918   |
| 2.03  | 2 X 10 sq. mm + 1 X 6 sq. mm earth wire                                                                                                                                                                                                                                                                                                                                                                         | 23   | Meter | 518        | Rupees Five Hundred Eighteen Only     | 11914  |
| 2.04  | 4 X 4 sq. mm + 2 X 4 sq. mm earth wire                                                                                                                                                                                                                                                                                                                                                                          | 10   | Meter | 452.00     | Rupees Four Hundred Fifty Two Only    | 4520   |
| 3     | Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.                                                                                                                                                                          | 9    | each  | 548        | Rupees Five Hundred Fourty Eight Only | 4932   |
| 4     | Supplying and fixing suitable size GI box with modular plate and cover in FRLS on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.                                                                                                                                                                 | 5    | each  | 730        | Rupees Seven Hundred Thirty Only      | 3650   |
| 5     | Supplying and fixing electrical switch board, having 3 No. of 5 amp. modular switches and socket on suitable size of modular GI box of 205mm X 78 mm X 50 mm deep (nominal size) on surface or in recess with suitable size modular sheet cover in the front i/c providing and fixing 3 No. 5 pin 5/6 amp modular socket outlet and 5/6 amp modular switch, connection, painting etc. as req. (For light plugs) | 1    | each  | 1032       | Rupees One Thousand Thirty Two Only   | 1032   |
| 6     | Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.                                                                                                                                                                                                                                                                                                     |      |       |            |                                       |        |

|       |                                                                                                                                                                                                                                                                                                              |    |      |      |                                                  |      |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|------|--------------------------------------------------|------|
| 6.01  | 1 or 2 Module                                                                                                                                                                                                                                                                                                | 9  | each | 137  | Rupees One Hundred ThirtySeven Only              | 1233 |
| 6.02  | 3 Module                                                                                                                                                                                                                                                                                                     | 1  | each | 164  | Rupees One Hundred SixtyFour Only                | 164  |
| 6.03  | 4 Module                                                                                                                                                                                                                                                                                                     | 1  | each | 182  | Rupees One Hundred EightyTwo Only                | 182  |
| 6.04  | 6 Module                                                                                                                                                                                                                                                                                                     | 8  | each | 233  | Rupees Two Hundred ThirtyThree Only              | 1864 |
| 6.05  | 8 Module                                                                                                                                                                                                                                                                                                     | 2  | each | 261  | Rupees Two Hundred SixtyOne Only                 | 522  |
| 7     | Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.                                                                                                                                         |    |      | 0    |                                                  | 0    |
| 7.01  | 5/6 amps switch                                                                                                                                                                                                                                                                                              | 37 | each | 98   | Rupees NinetyEight Only                          | 3626 |
| 7.02  | 3 pin 5/6 A socket outlet                                                                                                                                                                                                                                                                                    | 11 | each | 171  | Rupees One Hundred SeventyOne Only               | 1881 |
| 7.03  | 15/16 A switch                                                                                                                                                                                                                                                                                               | 7  | each | 176  | Rupees One Hundred SeventySix Only               | 1232 |
| 7.04  | 6 pin 15/16 A socket outlet                                                                                                                                                                                                                                                                                  | 7  | each | 281  | Rupees Two Hundred EightyOne Only                | 1967 |
| 7.05  | Bell push                                                                                                                                                                                                                                                                                                    | 2  | each | 166  | Rupees One Hundred SixtySix Only                 | 332  |
| 8     | Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.                                                                                                                                                                                                               | 2  | each | 170  | Rupees One Hundred Seventy Only                  | 340  |
| 9     | Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.                                                                 |    |      |      |                                                  |      |
| 9.01  | Single pole, Cat-A.                                                                                                                                                                                                                                                                                          | 24 | each | 257  | Rupees Two Hundred FiftySeven Only               | 6168 |
| 10    | Supplying and fixing Higher Rating (80 to 125A) 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.                                                      |    |      |      |                                                  |      |
| 10.01 | MCB DP 50/63 A "C" curve                                                                                                                                                                                                                                                                                     | 4  | each | 1429 | Rupees One Thousand Four Hundred TwentyNine Only | 5716 |
| 11    | Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) |    |      |      |                                                  |      |
| 11.01 | 8 way . Double door                                                                                                                                                                                                                                                                                          | 2  | each | 2265 | Rupees Two Thousand Two Hundred SixtyFive Only   | 4530 |
| 11.02 | 12 way . Double door                                                                                                                                                                                                                                                                                         | 1  | each | 2692 | Rupees Two Thousand Six Hundred NinetyTwo Only   | 2692 |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |      |       |                                                      |       |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|-------|------------------------------------------------------|-------|
| 12    | Providing and installation of following type of recess mounting square/round type LED panel Light with aluminium die cast housing in white finish with anti glare polycarbonate diffuser and separated energy efficient constant current, non-integral, electronic driver; suitable for input voltage: AC 220-240 V, 50/60Hz, including making cut in the ceiling to suit the size of the fitting, connections, testing etc. as required: of Approved Make |    |      |       |                                                      |       |
| 12.01 | Square/round LED Panel Light 18W Recess                                                                                                                                                                                                                                                                                                                                                                                                                    | 1  | each | 1760  | Rupees One Thousand Seven Hundred Sixty Only         | 1760  |
| 12.02 | Square/round LED Panel Light 6W Recess                                                                                                                                                                                                                                                                                                                                                                                                                     | 14 | each | 968   | Rupees Nine Hundred SixtyEight Only                  | 13552 |
| 13    | Providing and installation of following type of LED batten with aluminium housing, anti glare polycarbonate diffuser and energy efficient constant current, integral electronic driver; suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clamps, connections, testing etc. as required: of Approved Make                                                                                               |    |      |       |                                                      |       |
| 13.01 | LED Batten Light 20W                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2  | each | 798   | Rupees Seven Hundred NinetyEight Only                | 1596  |
| 14    | Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:-                                                                                                                                                          |    |      |       |                                                      |       |
| 14.01 | 35 Liter capacity water heater (Cat-A)                                                                                                                                                                                                                                                                                                                                                                                                                     | 1  | each | 16683 | Rupees Sixteen Thousand Six Hundred EightyThree Only | 16683 |
| 15    | Providing and installation exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: of Approved Make                                                                                                                                                                                                         |    |      |       |                                                      |       |
| 15.01 | Exhaust Fan, Light duty, (Domestic) 300 mm sweep                                                                                                                                                                                                                                                                                                                                                                                                           | 1  | each | 2090  | Rupees Two Thousand Ninety Only                      | 2090  |
| 16    | Supplying and fixing of fancy wall bracket suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, lamp holder, but excluding lamp including making connections, testing etc. as required: of Approved Make                                                                                                                                                                                                                      |    |      |       |                                                      |       |
| 16.01 | Wall light fixture Polycarbonate body, suitable for 9 W retrofit LED lamp B22 base.                                                                                                                                                                                                                                                                                                                                                                        | 5  | each | 1004  | Rupees One Thousand Four Only                        | 5020  |
| 17    | Providing and installation of Light duty, plastic body, ventilating fan of following sizes in the existing opening by means of suitable rag-bolts/nuts, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required complete in all respects to the satisfaction of the Engineer-in-Charge:- Make: Havells, Bajaj, Crompton Greaves, Standard, Usha, Kahlan etc.         |    |      |       |                                                      |       |
| 17.01 | Fresh Air Fan 200 mm                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2  | each | 1716  | Rupees One Thousand Seven Hundred Sixteen Only       | 3432  |

|       |                                                                                                                                                                                                                                                                                                                                                                                                             |   |      |         |                                                   |               |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------|---------|---------------------------------------------------|---------------|
| 17.02 | Fresh Air Fan 250 mm                                                                                                                                                                                                                                                                                                                                                                                        | 2 | each | 1934    | Rupees One Thousand Nine Hundred ThirtyFour Only  | 3868          |
| 18    | Supplying and fixing of fancy wall bracket/ Mirror light/ Bed Light containing LED lamp holder(s) of all sizes and shapes, complete with all accessories but excluding LED lamp including making connections, testing etc. as required.                                                                                                                                                                     |   |      |         |                                                   |               |
| 18.01 | LED Bed Light                                                                                                                                                                                                                                                                                                                                                                                               | 6 | each | 1225    | Rupees One Thousand Two Hundred TwentyFive Only   | 7350          |
| 19    | Providing, Installation, testing and commissioning of Wall fan , including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing earthing etc.as required complete in all respects to the satisfaction of the Engineer-in-Charge:- Make: Havells, Bajaj, Crompton Greaves, Standard ,Usha, Kahitan etc. |   |      |         |                                                   |               |
| 19.01 | Wall Fan 400 mm                                                                                                                                                                                                                                                                                                                                                                                             | 2 | each | 3465.00 | Rupees Three Thousand Four Hundred SixtyFive Only | 6930          |
| 20    | Providing and installation of following type of LED 9 W retrofit Lamp B-22 holder base with polycarbonate diffuser and aluminium heat sink including connections, testing and commissioning etc. as required. Make: Havells ,Syska,Bajaj, Panasonic or any other approved by Engineer-in-Charge.                                                                                                            |   |      |         |                                                   |               |
| 20.01 | LED 9 W retrofit Lamp                                                                                                                                                                                                                                                                                                                                                                                       | 6 | each | 158     | Rupees One Hundred FiftyEight Only                | 948           |
|       | <b>Total:-</b>                                                                                                                                                                                                                                                                                                                                                                                              |   |      |         |                                                   | <b>148696</b> |

Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 1000/- Only.

*Draft Schedule of Quantity approved for Rs. 148,696/- only  
(Rupees one lac Forty Thousand six Hundred ninety six) only.*

*Make*  
**Executive Engineer,**  
**Electrical Division No 4**  
**Police Station, Simla-171001**

## DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs. 1,77,740/- only  
Earnest Money:- Rs. 3600/- only  
Time:- One Months

**Name of work:- Providing re-wiring in MDR (Multi Drug- Resistant) Ward in Old Building & Special repair of E.I and restoration of power supply in new building of DDU (ZH) at Shintla -1**

| S.No. | Description of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Qty. | Unit  | Rate       |                                     | Amount |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|------------|-------------------------------------|--------|
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |       | In Figures | In words                            |        |
| 1     | Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel conduit including dismantling as required.                                                                                                                                                                                                                                                     |      |       |            |                                     |        |
| 1.01  | Group C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 28   | point | 641        | Rupees Six Hundred FourtyOne Only   | 17948  |
| 2     | Supply and Drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ Recessed steel/ PVC conduit as required.                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |            |                                     |        |
| 2.01  | 3 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 57   | Meter | 79         | Rupees SeventyNine Only             | 4503   |
| 2.02  | 3 X 4 sq. mm + 1 X 4 sq. mm earth wire                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 60   | Meter | 183        | Rupees One Hundred EightyThree Only | 10980  |
| 2.03  | 6 X 4 sq. mm + 1 X 6 sq. mm earth wire                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 77   | Meter | 354        | Rupees Three Hundred FiftyFour Only | 27258  |
| 3     | Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in FRLSont including providing and fixing 3 pin 5/6 amps socket outlet and 5/6 amps piano type switch, connection, painting etc. as required. (For light plugs to be used in non residential buildings).                                                                                                                                                                                                    | 15   | each  | 272        | Rupees Two Hundred SeventyTwo Only  | 4080   |
| 4     | Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in FRLSont including providing and fixing 6 pin 5/6 & 15/16 amps socket outlet and 15/16 amps piano type switch, connection, painting etc. as required. Supplying and fixing suitable size GI box with modular plate and cover in FRLSont on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required. | 16   | each  | 414        | Rupees Four Hundred Fourteen Only   | 6624   |
| 5     | Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1    | each  | 170        | Rupees One Hundred Seventy Only     | 170    |
| 6     | Supplying and fixing PVC batten/ angle holder including connection etc. as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1    | each  | 87         | Rupees EightySeven Only             | 87     |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |       |                                                      |       |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|-------|------------------------------------------------------|-------|
| 7     | Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.                                                                                                                                                                          |    |      |       |                                                      |       |
| 7.01  | Single pole, Cat-A.                                                                                                                                                                                                                                                                                                                                                                                                   | 25 | each | 257   | Rupees Two Hundred FiftySeven Only                   | 6425  |
| 8     | Supplying and fixing Higher Rating (80 to 125A) 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.                                                                                                                                                               |    |      |       |                                                      |       |
| 8.01  | MCB DP 50/63 A "C" curve                                                                                                                                                                                                                                                                                                                                                                                              | 5  | each | 1429  | Rupees One Thousand Four Hundred TwentyNine Only     | 7145  |
| 9     | Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)                                                                                                          |    |      |       |                                                      |       |
| 9.01  | 8 way . Double door                                                                                                                                                                                                                                                                                                                                                                                                   | 4  | each | 2265  | Rupees Two Thousand Two Hundred SixtyFive Only       | 9060  |
| 9.02  | 12 way . Double door                                                                                                                                                                                                                                                                                                                                                                                                  | 1  | each | 2692  | Rupees Two Thousand Six Hundred NinetyTwo Only       | 2692  |
| 10    | Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:-                                                                                                                     |    |      |       |                                                      |       |
| 10.01 | 35 Liter capacity water heater (Cat-A)                                                                                                                                                                                                                                                                                                                                                                                | 1  | each | 16683 | Rupees Sixteen Thousand Six Hundred EightyThree Only | 16683 |
| 11    | Providing and installation exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: of Approved Make                                                                                                                                                                    |    |      |       |                                                      |       |
| 11.01 | Exhaust Fan, Heavy duty, 300 mm sweep                                                                                                                                                                                                                                                                                                                                                                                 | 1  | each | 3734  | Rupees Three Thousand Seven Hundred ThirtyFour Only  | 3734  |
| 12    | Providing and installation of following type of LED batten with aluminium housing, anti glare polycarbonate diffuser and energy efficient constant current, integral electronic driver, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clamps, connections, testing etc. as required: of Approved Make                                                          |    |      |       |                                                      |       |
| 12.01 | LED Batten Light 20W                                                                                                                                                                                                                                                                                                                                                                                                  |    |      |       |                                                      |       |
| 13    | Providing and installation of following type of surface mounting square/round type LED panel Light with aluminium die cast housing in white finish with anti glare polycarbonate diffuser and separated energy efficient constant current, non-integral, electronic driver, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make | 13 | each | 798   | Rupees Seven Hundred NinetyEight Only                | 10374 |

|         |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |       |      |                                                    |      |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|------|----------------------------------------------------|------|
| ~ 13.01 | Square/round LED Panel Light 12/15W Surface                                                                                                                                                                                                                                                                                                                                                                                                      | 5  | each  | 1578 | Rupees One Thousand Five Hundred SeventyEight Only | 7890 |
| 14      | Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required. Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. |    |       |      |                                                    |      |
| 14.01   | 25mm Steel Pipe                                                                                                                                                                                                                                                                                                                                                                                                                                  | 15 | each  | 218  | Rupees Two Hundred Eighteen Only                   | 3270 |
| 15      | Providing & Laying of one number aluminium conductor, PVC insulated and PVC sheathed armoured/ XLPE power cable, 1.1 KV grade of following sizes on wall surface as required.                                                                                                                                                                                                                                                                    |    |       |      |                                                    |      |
| 15.01   | Armoured cable 16 sq.mm                                                                                                                                                                                                                                                                                                                                                                                                                          | 20 | Meter | 256  | Rupees Two Hundred FiftySix Only                   | 5120 |
| 16      | Providing and fixing following rating and breaking capacity MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.                                                                                                                                                                                                             |    |       |      |                                                    |      |
| 16.01   | 100 A 16 KA MCCB                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1  | each  | 4645 | Rupees Four Thousand Six Hundred FourtyFive Only   | 4645 |
| 17      | Supplying and fixing TP&N copper bus-bar chamber suitable for 415 volts capacity with 4 No. copper strip bus-bars each of length and x-section suitable for following current carrying capacities, enclosure made of sheet steel, dust protected, duly powder painted with detachable gland plate and other accessories including drilling holes on the board, making connections, earthing etc. as required.                                    |    |       |      |                                                    |      |
| 17.01   | 2000A Copper Busbar Chamber 24"                                                                                                                                                                                                                                                                                                                                                                                                                  | 1  | each  | 6890 | Rupees Six Thousand Eight Hundred Ninety Only      | 6890 |
| 18      | Supplying and fixing of bulk head fitting of all sizes and shaps, complete with all accessories but excluding LED fitting including making connections, testing etc. as required. Make: Philips, Syska, GE, Bajaj, C&S, Panasonic or any other approved by Engineer-in-Charge.                                                                                                                                                                   | 1  | each  | 1362 | Rupees One Thousand Three Hundred Sixty Two Only   | 1362 |
| 19      | Providing and fixing sheet steel encloser suitable for 3 phase and 4P MCCBs, having generous space for cable termination, in-built neutral link for TPN system etc. including drilling holes on the existing board, wall or surface as required.                                                                                                                                                                                                 |    |       |      |                                                    |      |
| 19.01   | SS Enclosure suitable 63 to 100 A MCCBs                                                                                                                                                                                                                                                                                                                                                                                                          | 1  | each  | 2300 | Rupees Two Thousand Three Hundred Only             | 2300 |
| 20      | Providing, Laying and Fixing of Heat Shrinkable Outdoor End Terminations Kit (3.5/4 core) Suitable For PVC/XLPE power Cable. Working voltage 1100 volts complete in all respects as per the satisfaction of Engineer-In-Charge.                                                                                                                                                                                                                  |    |       |      |                                                    |      |
| 20.01   | 3.5/4 X 630Sq.MM                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1  | each  | 9500 | Rupees Nine Thousand Five Hundred Only             | 9500 |

|         |                                                                                                                                                                                                                         |    |      |     |                                |        |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|-----|--------------------------------|--------|
| 21      | Supply and fixing of LED Driver 15 Watt IRIS-N LED Hanging Fixture complete in all respect including making connections, testing etc. as required. Make: Tinkle, Philips, Havells or as approved by Engineer-in-Charge. | 20 | each | 450 | Rupees Four Hundred Fifty Only | 9000   |
| Total:- |                                                                                                                                                                                                                         |    |      |     |                                | 177740 |

Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 1500/- Only.

Draft Schedule of Quantity appeared for Rs. 1,77,740/- only  
(Rupees one lac, seventy seven thousand seven hundred  
seventy only)

*hulu*  
Executive Engineer,  
Electrical Division No-1  
Hyderabad, Sindh-175503

22

17

### DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs. 2,30,706/- only  
Earnest Money:- Rs. 4700 /- only  
Time:- Two Months

Name of work:- Providing rewiring, Special Repair/additional alternation to E.L. In O/O Superintendent Engineer Office 4th Circle, Division No. III, Sub-Division No. 1 & VII and other Branches at winter field Shimla-3

| S.No. | Description of Items                                                                                                                                                                                                                                                                                                                                                               | Qty. | Unit  | Rate       |                                             | Amount |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|------------|---------------------------------------------|--------|
|       |                                                                                                                                                                                                                                                                                                                                                                                    |      |       | In Figures | In words                                    |        |
| 1     | Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required. |      |       |            |                                             |        |
| 1.01  | Group C.                                                                                                                                                                                                                                                                                                                                                                           | 18   | point | 1111       | Rupees One Thousand One Hundred Eleven Only | 19998  |
| 1     | Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required. |      |       |            |                                             |        |
| 2.01  | Group C.                                                                                                                                                                                                                                                                                                                                                                           | 5    | point | 1031       | Rupees One Thousand ThirtyOne Only          | 5155   |
| 3     | Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.                                                                                                                                                                              |      |       |            |                                             |        |
| 3.01  | 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire                                                                                                                                                                                                                                                                                                                                         | 52   | Meter | 171        | Rupees One Hundred SeventyOne Only          | 8892   |
| 3.02  | 2 X 4 sq. mm + 1 X 4 sq. mm earth wire                                                                                                                                                                                                                                                                                                                                             | 34   | Meter | 269        | Rupees Two Hundred SixtyNine Only           | 9146   |
| 3.03  | 4 X 4 sq. mm + 2 X 4 sq. mm earth wire                                                                                                                                                                                                                                                                                                                                             | 18   | Meter | 452        | Rupees Four Hundred Fifty Two Only          | 8136   |
| 4     | Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.                                                                                                                                             | 13   | each  | 548        | Rupees Five Hundred Fourty Eight Only       | 7124   |
| 5     | Supplying and fixing suitable size GI box with modular plate and cover in FRLS on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.                                                                                                                                    | 9    | each  | 730        | Rupees Seven Hundred Thirty Only            | 6570   |

2  
32

|       |                                                                                                                                                                                                                                                                                                                                                                                                                        |   |      |      |                                                    |      |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------|------|----------------------------------------------------|------|
| 6     | Supplying and fixing electrical switch board, having 3 No. of 5 amp. modular switches and socket on suitable size of modular G.I box of 205mm X 78 mm X 50 mm deep ( nominal size) on surface or in recess with suitable size modular sheet cover in the front i/c providing and fixing 3 No. 5 pin 5/6 amp modular socket outlet and 5/6 amp modular switch, connection, painting etc.as req. (For light plugs)       | 3 | each | 1032 | Rupees One Thousand ThirtyTwo Only                 | 3096 |
| 7     | Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.                                                                                                                          | 1 | each | 272  | Rupees Two Hundred SeventyTwo Only                 | 272  |
| 8     | Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.                                                                                                               | 1 | each | 414  | Rupees Four Hundred Fourteen Only                  | 414  |
| 9     | Supplying and fixing electrical switch board, having 3 No. of 5 amp. switches and socket on suitable size of metal box of 200mm X 150 mm X 75 mm deep ( nominal size) on surface or in recess with suitable size phenolic laminated sheet cover in the front i/c providing and fixing 3 No. 5 pin 5/6 amp socket outlet and 5/6 amp piano type switch, connection, painting etc.as req. (For light plugs)              | 1 | each | 469  | Rupees Four Hundred SixtyNine Only                 | 469  |
| 10    | Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.                                                                                                                                                                                                                                                                                                                         | 4 | each | 170  | Rupees One Hundred Seventy Only                    | 680  |
| 11    | Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.                                                                                                                                                                           |   |      |      |                                                    |      |
| 11.01 | Single pole, Cat-A.                                                                                                                                                                                                                                                                                                                                                                                                    | 2 | each | 257  | Rupees Two Hundred FiftySeven Only                 | 514  |
| 12    | Supplying and fixing Higher Rating (80 to 125A) 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.                                                                                                                                                                |   |      |      |                                                    |      |
| 12.01 | MCB DP 50/63 A "C" curve                                                                                                                                                                                                                                                                                                                                                                                               | 1 | each | 1429 | Rupees One Thousand Four Hundred TwentyNine Only   | 1429 |
| 13    | Providing and installation of following type of surface mounting square/round type LED panel Light with aluminium die cast housing in white finish with anti glare polycarbonate diffuser and separated energy efficient constant current, non- integral, electronic driver, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing etc. as required. of Approved Make |   |      |      |                                                    |      |
| 13.01 | Square/round LED Panel Light 10/12W Surface                                                                                                                                                                                                                                                                                                                                                                            | 3 | each | 1578 | Rupees One Thousand Five Hundred SeventyEight Only | 4734 |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |      |         |                                                    |               |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|---------|----------------------------------------------------|---------------|
| 13.02 | Square/round LED Panel Light 24W Surface                                                                                                                                                                                                                                                                                                                                                                                                                   | 9  | each | 2391    | Rupees Two Thousand Three Hundred Ninety One Only  | 21519         |
| 13.03 | Square/round LED Panel Light 18/20W Surface                                                                                                                                                                                                                                                                                                                                                                                                                | 10 | each | 2158    | Rupees Two Thousand One Hundred Fifty Eight Only   | 21580         |
| 14    | Providing and installation of following type of recess mounting square/round type LED panel light with aluminium die cast housing in white finish with anti glare polycarbonate diffuser and separated energy efficient constant current, non integral, electronic driver; suitable for input voltage: AC 220-240 V, 50/60Hz, including making cut in the ceiling to suit the size of the fitting, connections, testing etc. as required: of Approved Make |    |      |         |                                                    |               |
| 14.01 | Square LED Panel Light 36W Recess                                                                                                                                                                                                                                                                                                                                                                                                                          | 11 | each | 5364    | Rupees Five Thousand Three Hundred Sixty Four Only | 59004         |
| 15    | Providing and installation of following type of surface mounting square/round type LED panel light with aluminium die cast housing in white finish with anti glare polycarbonate diffuser and separated energy efficient constant current, non integral, electronic driver; suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make                                      |    |      |         |                                                    |               |
| 15.01 | LED Panel surface 4x1' 36 watt                                                                                                                                                                                                                                                                                                                                                                                                                             | 6  | each | 6658.00 | Rupees Six Thousand Six Hundred Fifty Eight Only   | 39948         |
| 16    | Providing and installation of Light duty, plastic body, ventilating fan of following sizes in the existing opening, by means of suitable rag-bolts/nuts, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required complete in all respects to the satisfaction of the Engineer-in-Charge:- Make: Havells, Bajaj, Crompton Greaves, Standard, Usha, Kahlan etc.        |    |      |         |                                                    |               |
| 16.01 | Refrass Air Fan 200 mm                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4  | each | 1716    | Rupees One Thousand Seven Hundred Sixteen Only     | 6864          |
| 17    | Providing and installation of following type of LED batten with aluminium housing, anti glare polycarbonate diffuser and energy efficient constant current, integral electronic driver; suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clamps, connections, testing etc. as required: of Approved Make                                                                                               |    |      |         |                                                    |               |
| 17.01 | LED Batten Light 20W                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5  | each | 798     | Rupees Seven Hundred Ninety Eight Only             | 3990          |
| 17.02 | LED Batten Light 10W                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2  | each | 586     | Rupees Five Hundred Eighty Six Only                | 1172          |
|       | <b>Total:-</b>                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |      |         |                                                    | <b>230706</b> |

Condition:- The Credit for old dismantled material will be recovered from the contractor on US basis @ Rs. 1000/- Only.

*Draft Schedule of Quantity approved for Rs. 2,30,706/- only  
(Rupees Two Thousand Three Hundred and Seven Hundred & Six) only*

*Executive Engineer,  
Electrical Engineering  
10/10/2020, Shri. 17/2020*

### DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs. 2,85,475/- only  
 Earnest Money:- Rs. 5800 /- only  
 Time:- One Month

**Name of work:- Providing Aided work of E.I fo installation of Digital Audio Conferencing system and special repair of E.I in other branches of HP Vidhan Sabha.**

| S.No. | Description of Items                                                                                                                                                                                                                                                                                                        | Qty. | Unit  | Rate       |                                             | Amount |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|------------|---------------------------------------------|--------|
|       |                                                                                                                                                                                                                                                                                                                             |      |       | In Figures | In words                                    |        |
| 1     | Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit. 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. |      |       |            |                                             |        |
| 1.01  | Group C                                                                                                                                                                                                                                                                                                                     | 3    | point | 1111       | Rupees One Thousand One Hundred Eleven Only | 3333   |
| 2     | Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.                                                                                                                       |      |       |            |                                             |        |
| 2.01  | 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire                                                                                                                                                                                                                                                                                  | 95   | Meter | 171        | Rupees One Hundred SeventyOne Only          | 16245  |
| 2.02  | 2 X 4 sq. mm + 1 X 4 sq. mm earth wire                                                                                                                                                                                                                                                                                      | 24   | Meter | 269        | Rupees Two Hundred SixtyNine Only           | 6456   |
| 2.03  | 2 X 10 sq. mm + 1 X 6 sq. mm earth wire                                                                                                                                                                                                                                                                                     | 32   | Meter | 518        | Rupees Five Hundred Eighteen Only           | 16576  |
| 3     | Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.                                                                                      | 6    | each  | 548        | Rupees Five Hundred FourtyEight Only        | 3288   |
| 4     | Supplying and fixing suitable size GI box with modular plate and cover in FRLSont on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.                                                                          | 7    | each  | 730        | Rupees Seven Hundred Thirty Only            | 5110   |
| 5     | Supplying and Fixing metal box for 8 module along with modular base and cover plate on surface/recess including providing and fixing 3 no. of S.P. 5 pin 5/6 modular socket outlet and 1 no. 5/6 A.modular type switch, connection, painting etc. as required.                                                              |      |       |            |                                             |        |
| 5.01  | Computer Point                                                                                                                                                                                                                                                                                                              | 11   | each  | 1032       | Rupees One Thousand ThirtyTwo Only          | 11352  |

25

|       |                                                                                                                                                                                                                                                                                                                                                                                  |    |      |        |                                                  |       |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|--------|--------------------------------------------------|-------|
| 6     | Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.                                                                                                                                                                                                                                                                                   | 1  | each | 170.00 | Rupees One Hundred Seventy Only                  | 170   |
| 7     | Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.                                                                                                                                                                                                                                               |    |      |        |                                                  |       |
| 7.01  | 5/6 amps switch                                                                                                                                                                                                                                                                                                                                                                  | 3  | each | 43     | Rupees FortyThree Only                           | 129   |
| 7.02  | 3 pin 5/6 A socket outlet                                                                                                                                                                                                                                                                                                                                                        | 3  | each | 68     | Rupees SixtyEight Only                           | 204   |
| 7.03  | 15/16 A switch                                                                                                                                                                                                                                                                                                                                                                   | 1  | each | 124    | Rupees One Hundred TwentyFour Only               | 124   |
| 8     | Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.                                                                                                                                     |    |      | 0      |                                                  | 0     |
| 8.01  | Single pole, Cat-A.                                                                                                                                                                                                                                                                                                                                                              | 49 | each | 257    | Rupees Two Hundred FiftySeven Only               | 12593 |
| 9     | Supplying and fixing Higher Rating (80 to 125A) 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.                                                                                                                          |    |      | 0      |                                                  | 0     |
| 9.01  | MCB DP 50/63 A "C" curve                                                                                                                                                                                                                                                                                                                                                         | 6  | each | 1429   | Rupees One Thousand Four Hundred TwentyNine Only | 8574  |
| 10    | Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)                                                                     |    |      | 0      |                                                  | 0     |
| 10.01 | 8 way, Double door                                                                                                                                                                                                                                                                                                                                                               | 2  | each | 2265   | Rupees Two Thousand Two Hundred SixtyFive Only   | 4530  |
| 11    | Supplying and fixing following way CRCA sheet steel encloser, IP 30 - metal door, RAL9003, powder coated, suitable for surface and flush mounting, with provision to mount MCB/Isolator/RCCB/RCBO and other modular devices, including interconnections, earthing etc. as required. (but without MCB/RCCB/Isolator etc)                                                          |    |      |        |                                                  |       |
| 11.01 | MCB Enclosure 2/3 way                                                                                                                                                                                                                                                                                                                                                            | 2  | each | 674    | Rupees Six Hundred SeventyFour Only              | 1348  |
| 12    | Providing and installation of following type of LED batten with aluminium housing, anti glare polycarbonate diffuser and energy efficient constant current, integral electronic driver, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clamps, connections, testing etc. as required: of Approved Make Engineer-in-Charge. |    |      |        |                                                  |       |
| 12.01 | LED Batten Light 20W                                                                                                                                                                                                                                                                                                                                                             | 9  | each | 798    | Rupees Seven Hundred NinetyEight Only            | 7182  |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |      |      |                                                    |       |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|------|----------------------------------------------------|-------|
| 12.02 | LED Batten Light 10W                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1  | each | 586  | Rupees Five Hundred EightySix Only                 | 586   |
| 13    | Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.                                                                                                                                                                                                                                              |    |      |      |                                                    |       |
| 13.01 | 20 mm PVC Conduit                                                                                                                                                                                                                                                                                                                                                                                                                                      | 25 | each | 86   | Rupees EightySix Only                              | 2150  |
| 13.02 | 25 mm PVC Conduit                                                                                                                                                                                                                                                                                                                                                                                                                                      | 44 | each | 98   | Rupees NinetyEight Only                            | 4312  |
| 14    | Providing and installation exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: of Approved Make Engineer-in-Charge.                                                                                                                                                                                 |    |      |      |                                                    |       |
| 14.01 | Exhaust Fan, Light duty, 225 mm sweep                                                                                                                                                                                                                                                                                                                                                                                                                  | 1  | each | 1848 | Rupees One Thousand Eight Hundred FourtyEight Only | 1848  |
| 15    | Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:-                                                                                                                                                      |    |      |      |                                                    |       |
| 15.01 | 10L.liter capacity water heater (Cat-A)                                                                                                                                                                                                                                                                                                                                                                                                                | 3  | each | 9161 | Rupees Nine Thousand One Hundred SixtyOne Only     | 27483 |
| 16    | Providing and installation of Light duty, plastic body, ventilating fan of following sizes in the existing opening, by means of suitable rag-bolts/nuts, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required complete in all respects to the satisfaction of the Engineer-in-Charge:- Make: Havell's, Bajaj, Crompton Greaves, Standard, Usha, Kahitian etc. |    |      |      |                                                    |       |
| 16.01 | Fresh Air Fan 200 mm                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1  | each | 1716 | Rupees One Thousand Seven Hundred Sixteen Only     | 1716  |
| 16.02 | Fresh Air Fan 250 mm                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1  | each | 1934 | Rupees One Thousand Nine Hundred ThirtyFour Only   | 1934  |
| 17    | Providing and fixing following rating, four pole, 230/240 volts, On-Load change over switch unit, panel mounting, front handle operation, including drilling holes in the cubical, making connections, etc. as required.                                                                                                                                                                                                                               |    |      |      |                                                    |       |
| 17.01 | 63 A, On Load Change over                                                                                                                                                                                                                                                                                                                                                                                                                              | 1  | each | 2300 | Rupees Two Thousand Three Hundred Only             | 2300  |
| 18    | Providing & Laying of one number aluminium conductor, PVC insulated and PVC sheathed armoured/ XLPE power cable, 1.1 KV grade of following sizes on wall surface as required.                                                                                                                                                                                                                                                                          |    |      |      |                                                    |       |

|       |                                                                                                                                                                                                                                                                                                                                                                                                |    |       |       |                                                    |       |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|-------|----------------------------------------------------|-------|
| 18.01 | Armoured cable 35 sq. mm (3.5 core)                                                                                                                                                                                                                                                                                                                                                            | 10 | meter | 380   | Rupees Three Hundred Eighty Only                   | 3800  |
| 19    | Providing, laying & fixing of 1 No. Copper conductor, PVC insulated and PVC sheathed, unarmoured/XLPE Power cable, working voltage 1100 Volts Grade on surface etc. of the required size, complete in all respect making connections, testing etc. as required make Plaza Cable, Havells or as approved by Engineer in charge. <b>Copper conductor cable 25 sq. mm single core unarmoured.</b> | 94 | meter | 535   | Rupees Five Hundred ThirtyFive Only                | 50290 |
| 20    | Providing and fixing following rating and breaking capacity MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.                                                                                                                                                           |    |       |       |                                                    |       |
| 20.01 | MCCB 100 30KA 4 pole                                                                                                                                                                                                                                                                                                                                                                           | 1  | each  | 6499  | Rupees Six Thousand Four Hundred NinetyNine Only   | 6499  |
| 21    | Providing and fixing sheet steel encloser suitable for 3P & 4P MCCBs DU/DH MCCBs. Having generous space for cable termination, inbuilt neutral link for TPN system etc. including drilling holes on the existing board, wall or surface as required.                                                                                                                                           |    |       |       |                                                    |       |
| 21.01 | SS enclosure suitable 63 to 100 MCCBs                                                                                                                                                                                                                                                                                                                                                          | 1  | each  | 2300  | Rupees Two Thousand Three Hundred Only             | 2300  |
| 22    | Supplying and fixing TP sheet steel enclosure on surface/ recess along with 16/25/32amps 415 volts "C" curve TPDP MCB complete with connections, testing and commissioning etc. as required.                                                                                                                                                                                                   |    |       |       |                                                    |       |
| 22.01 | TPDP 100 Amp                                                                                                                                                                                                                                                                                                                                                                                   | 5  | each  | 1946  | Rupees One Thousand Nine Hundred FourtySix Only    | 9730  |
| 23    | Installation of stationary storage type electric water heater (geyser) various size by means of expansion -bolts with nuts and washers, including embedding of expansion -bolts in the wall, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required:-                                                                           | 1  | each  | 875   | Rupees Eight Hundred SeventyFive Only              | 875   |
| 24    | Earthing with advance chemical of copper electrode dia 50mm, length of rod 2mtr/2000mm with NABL certification with 25kg of BFC Silica bag including accessories, and providing masonry enclosure with cover plate having locking arrangements etc. as required.                                                                                                                               | 1  | each  | 11422 | Rupees Eleven Thousand Four Hundred TwentyTwo Only | 11422 |
| 25    | Supply and fixing of fancy LED picture light of all sizes and shapes, connections, testing and commissioning etc. as required complete in all respects to satisfaction of the Engineer in charge:-                                                                                                                                                                                             |    |       |       |                                                    |       |
| 25.01 | LED picture light                                                                                                                                                                                                                                                                                                                                                                              | 4  | each  | 3700  | Rupees Three Thousand Seven Hundred Only           | 14800 |

22

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |      |       |                                                        |               |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------|-------|--------------------------------------------------------|---------------|
| 26             | Providing and fixing LED Post Top - Arctural Fixture made of die cast aluminium base and aluminium housing with power LED's are mounted directly on inbuilt heat sink. A UV stabilized PC/PMMA diffuser, provided for glare free lighting with high visual comfort, complete in all respect including connection etc. as required & as per best satisfactory of Engineer-In-Charge at site. Make: K-lite, GE, Bajaj, C&S, Panasonic, Twinkle or any other approved by Engineer-In-Charge |   |      |       |                                                        |               |
| 26.01          | LED Post Top - Arctural 40 Watt                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1 | each | 23416 | Rupees Twenty Three Thousand Four Hundred Sixteen Only | 23416         |
| 27             | Providing repair and re-installation of non functional Arctura street light fitting complete with electronic LED driver 25 to 60 watts, LED strips soldering work complete with all accessories, connections, testing and commissioning etc. as required.                                                                                                                                                                                                                                | 6 | each | 3800  | Rupees Three Thousand Eight Hundred Only               | 22800         |
| <b>Total:-</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |      |       |                                                        | <b>285475</b> |

*Draft Schedule of quantity approved for Rs. 285,475/- only  
(Rupees Two Lacs Eighty Five Thousand Four Hundred seventy five  
Five) only.*

*Hele*  
Executive Engineer,  
Electrical Division No-1  
40, H.P. Road, Shikhar-174003

## DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs. 3,61,200/- only  
Earnest Money:- Rs.7300 /- only  
Time:- One Year

Name of work:- Annual Maintenance contract of 2 No passenger Lift (Otis make) machine No.E009018 & E009017 at Armsdale Building HP Sectt shimla-2 for the year 2024-25 w.e.f 01-04-2024 to 31-03-2025.

| S.No. | Description of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Qty. | Unit | Rate       |                                                  | Amount |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------------|--------------------------------------------------|--------|
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |      | In Figures | In words                                         |        |
| 1     | Regular examination, lubrication and adjustment of the equipment and planned maintenance in a systematic manner and replacement of parts as detailed below:-<br><br>(i) Check all wires ropes and chains to maintain an adequate factor of safety, to equalize tension on all hoisting ropes, repair or replace conductor cables and hoistway and machine room elevator wiring and replace the same if required under intimation to Er-in-Charge.<br><br>(ii) Systematic examining and adjustment of motor, machine, panel, car door operator, touch/push buttons, car door hanger, car frame car safety mechanism and platforms, emergency light, emergency alarm, lift fan and batteries etc and replacement of all equipments and cards required to make the lift functional.<br><br>(iii) Examine periodically all safety devices and governor and all customary safety tests.<br><br>(iv) The Firm will provide emergency minor adjustment call back services 24 hours as all working days as well as holidays/Sundays. The firm will maintain the lift in reliable and efficient operating conditions. The max breakdown period for lift shall not be more than 48 hours in any case, otherwise penalty will be imposed on the firm per day basis. |      |      |            |                                                  |        |
| 2     | Machine no. E 009017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |      |            |                                                  |        |
| 2.1   | Rate for 2024-25 i.e from 01-04-2024 to 31-03-2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |      |            |                                                  |        |
| 3     | Machine no. E 009018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1    | year | 180600     | Rupees One Lakh Eighty Thousand Six Hundred Only | 180600 |
| 3.1   | Rate for 2024-25 i.e from 01-04-2024 to 31-03-2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1    | year | 180600     | Rupees One Lakh Eighty Thousand Six Hundred Only | 180600 |
|       | Total:-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |      |            |                                                  | 361200 |

Draft Schedule of Quantity approved for Rs. 3,61,200/- only  
(Ropes. Three Lacs Sixty one Thousand Two Hundred only)

Executive Engineer,  
Electrical Division No-1

Shimla-175001

## DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs.4,99,104/- only  
Earnest Money:- Rs. 10000/- only  
Time:- Eight Months

**Name of work:- Providing Staff for funning of Electrical enquiry in Residential and Non-residential Buildings at Oak Over and its surrounding area at Shimla**  
**w.e.f 01.04.2024 to 30.11.2024.**

| S.No. | Description of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Qty. | Unit    | In Figures | Rate                                                     | Amount |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------|------------|----------------------------------------------------------|--------|
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |         |            | In words                                                 |        |
| 1     | Engagement of Electricians/ Technicians in residential & non residential buildings to Assemble, install, test, and maintain electrical or electronic wiring, equipment, appliances, apparatus, and fixtures, using hand tools and power tools. Diagnose malfunctioning systems, apparatus, and components, using test equipment and hand tools, to locate the cause of a breakdown and correct the problem. Inspect electrical systems, equipment, and components to identify hazards, defects, and the need for adjustment or repair, to test electrical systems and continuity of circuits in electrical wiring, equipment, and fixtures, using testing devices such as ohmmeters, voltmeters, Meggar etc, repair or replace wiring, equipment, and fixtures, using hand tools and power tools. Work from ladders, scaffolds, and roofs to install, maintain or repair electrical wiring, equipment, and fixtures, Placing conduit (pipes or tubing) inside designated partitions, walls, or other concealed areas, and pull insulated wires or cables through the conduit to complete circuits between boxes. Perform physically demanding tasks, such as digging trenches to lay conduit and moving and lifting heavy objects. Provide assistance during emergencies by operating floodlights and generators etc or any other directions given by engineer in charge. For the w.e.f 01.04.2024 to 30.11.2024. | 8.00 | p/month | 62388      | Rupees Sixty Two Thousand Three Hundred EightyEight Only | 499104 |
|       | <b>Note:- The Electricians/ Technicians &amp; Trained helper should possess ITI certificate in wiremen/ Electrician trade done through a regular course from an institution recognized by the H.P. Govt.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |         |            |                                                          |        |
|       | <b>Terms and conditions:-</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |         |            |                                                          |        |
| 1.02  | Contractor will engage 3 No. Electrician-II from 9.00 am to 5.00 p.m. or as required by the controlling officer in case of emergency for attending the complaints of area under Electrical subdivision HP Sectt.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |         |            |                                                          |        |
| 1.04  | The staff employed should be trained and must have done ITI in Electrician Trade, should have knowledge of wiring, repair and maintenance and other basic technical terminology. Preferably should have experience in E.I. related works                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |         |            |                                                          |        |
| 1.05  | Competent Electrician will be required to attend break down call as and when intimated withing the least possible time but not more than 24 hours in any case, there is no limit of break down calls. The sole responsibility shall be of the firm to keep the whole system in running condition round the clock.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |         |            |                                                          |        |
| 1.06  | The work shall be carried out as per direction and up to the satisfaction of Engineer-in-Charge.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |         |            |                                                          |        |
|       | <b>Total:-</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |         |            |                                                          | 499104 |

Draft Schedule of quantity approved for Rs. 499,104/- only  
(Rupees. Four lacs ninety nine thousand one Hundred four only)

**Executive Engineer,  
Electrical Division No-1**

10/09/2024 10:17:09

# DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs. 3,85,983/- only  
Earnest Money:- Rs. 7800 /- only  
Time:- two Months

Name of work:- Providing wiring & electrical acc. In Govt. residence of S.E Arbitration HPPWD at Kotla Nala, Tehsil & Distt. Solan HP.

| S.No. | Description of Items                                                                                                                                                                                                                                                                                                                                         | Qty. | Unit  | Rate       |                                                 | Amount |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|------------|-------------------------------------------------|--------|
|       |                                                                                                                                                                                                                                                                                                                                                              |      |       | In Figures | In words                                        |        |
| 1     | Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit. with modular switch. modular plate. suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. |      |       |            |                                                 |        |
| a     | Group-C                                                                                                                                                                                                                                                                                                                                                      | 55   | Each  | 1145       | Rupees One Thousand One Hundred FourtyFive Only | 62975  |
| 2     | Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel/PVC conduit including dismantling as required.                                            | 9    | Each  | 641        | Rupees Six Hundred FourtyOne Only               | 5769   |
| 3     | Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch. modular plate. suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.                                  | 1    | Each  | 1257       | Rupees One Thousand Two Hundred FiltySeven Only | 1257   |
| 4     | Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.                                                                                                                                                        |      |       |            |                                                 |        |
| (a)   | 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire                                                                                                                                                                                                                                                                                                                   | 228  | P/mtr | 176        | Rupees One Hundred SeventySix Only              | 40128  |
| (b)   | 2 X 4 sq. mm + 1 X 4 sq. mm earth wire                                                                                                                                                                                                                                                                                                                       | 130  | P/mtr | 274        | Rupees Two Hundred SeventyFour Only             | 35620  |
| ©     | 4 X 4 sq. mm + 2 X 4 sq. mm earth wire                                                                                                                                                                                                                                                                                                                       | 70   | P/mtr | 457        | Rupees Four Hundred FiltySeven Only             | 31990  |
| (d)   | 2 X 6 sq. mm + 1 X 6 sq. mm earth wire                                                                                                                                                                                                                                                                                                                       | 15   | P/mtr | 368        | Rupees Three Hundred SixtyEight Only            | 5520   |
| (e)   | 2 X 10 sq. mm + 1 X 6 sq. mm earth wire                                                                                                                                                                                                                                                                                                                      | 5    | P/mtr | 524        | Rupees Five Hundred TwentyFour Only             | 2620   |
| 5     | Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.                                                                                                                                                                                            |      |       |            |                                                 |        |
| (a)   | 3x1.5 Sq. mm.                                                                                                                                                                                                                                                                                                                                                | 70   | P/mtr | 80         | Rupees Eighty Only                              | 5600   |
| (b)   | 3x4 Sq. mm.                                                                                                                                                                                                                                                                                                                                                  | 50   | P/mtr | 185        | Rupees One Hundred EightyFive Only              | 9250   |

|     |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |       |      |                                                     |       |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|------|-----------------------------------------------------|-------|
| 6   | Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required 25mm dia.                                                                                                                                                                                                    | 70 | P/mtr | 102  | Rupees One Hundred Two Only                         | 7140  |
| 7   | Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.                                                                                                                                                                                     | 27 | Each  | 557  | Rupees Five Hundred Fifty Seven Only                | 15039 |
| 8   | Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.                                                                                                                                                                           | 15 | Each  | 739  | Rupees Seven Hundred Thirty Nine Only               | 11085 |
| 9   | Providing and installation of following type of LED batten with aluminium housing, anti glare polycarbonate diffuser and energy efficient constant current, integral electronic driver; suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clamps, connections, testing etc. as required. of Approved Make                                                          |    |       |      |                                                     |       |
| (a) | LED Batten Light 10W                                                                                                                                                                                                                                                                                                                                                                                                  | 6  | Each  | 589  | Rupees Five Hundred Eighty Nine Only                | 3534  |
| (b) | LED Batten Light 20W                                                                                                                                                                                                                                                                                                                                                                                                  | 12 | Each  | 800  | Rupees Eight Hundred Only                           | 9600  |
| 10  | Providing and installation of following type of surface mounting square/round type LED panel light with aluminium die cast housing in white finish with anti glare polycarbonate diffuser and separated energy efficient constant current, non-integral, electronic driver; suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing etc. as required. of Approved Make |    |       |      |                                                     |       |
| (a) | Square/round LED Panel Light 12W Surface                                                                                                                                                                                                                                                                                                                                                                              | 9  | Each  | 1581 | Rupees One Thousand Five Hundred Eighty One Only    | 14229 |
| (b) | Square/round LED Panel Light 24W Surface                                                                                                                                                                                                                                                                                                                                                                              | 2  | Each  | 2393 | Rupees Two Thousand Three Hundred Ninety Three Only | 4786  |
| 11  | Supplying and fixing of fancy wall bracket suitable for input voltage: AC 220- 240 V, 50/60Hz, complete with all accessories, lamp holder, but excluding lamp including making connections, testing etc. as required. of Approved Make                                                                                                                                                                                |    |       |      |                                                     |       |
| (a) | Wall light fixture Polycarbonate body, suitable for 9 W retrofit LED lamp B22 base.                                                                                                                                                                                                                                                                                                                                   | 4  | Each  | 1007 | Rupees One Thousand Seven Only                      | 4028  |
| 12  | Supplying and fixing of following LED bulk head fitting with all accessories including making connections, testing etc. as required. Make:- Havells Philips, Panasonic, Wipro or any other approved by Engineer-in-Charge. LED bulk head 10/12W                                                                                                                                                                       | 10 | Each  | 1025 | Rupees One Thousand Twenty Five Only                | 10250 |
| 13  | Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.                                                                                                                                                                                                                                                                                                                        | 1  | Each  | 172  | Rupees One Hundred Seventy Two Only                 | 172   |
| 14  | Providing and installation of following type of LED 9 W retrofit Lamp B-22 holder base with polycarbonate diffuser and aluminium heat sink including connections, testing and commissioning etc. as required. Make: Syska, Havells, Panasonic or any other approved by Engineer-in-Charge.                                                                                                                            | 4  | Each  | 172  | Rupees One Hundred Seventy Two Only                 | 688   |

|      |                                                                                                                                                                                                                                                                                                                                                                                   |   |      |       |                                                   |       |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------|-------|---------------------------------------------------|-------|
| 15   | Providing, installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required: of Approved Make                               | 6 | Each | 2960  | Rupees Two Thousand Nine Hundred Sixty Only       | 17760 |
| (a)  | Ceiling Fan 1400 mm sweep                                                                                                                                                                                                                                                                                                                                                         | 6 | Each | 480   | Rupees Four Hundred Eighty Only                   | 2880  |
| 16   | Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.                                                                                                                                                                                                |   |      |       |                                                   |       |
| 17   | Providing and installation exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required of Approved Make                                                                                                                                 | 4 | Each | 2109  | Rupees Two Thousand One Hundred Nine Only         | 8436  |
| (a)  | Exhaust Fan, Light duty, (Domestic) 300 mm sweep                                                                                                                                                                                                                                                                                                                                  |   |      |       |                                                   |       |
| 18   | Providing and installation of stationary storage type Electric water heater(Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required.                                                                                   | 1 | Each | 7676  | Rupees Seven Thousand Six Hundred SeventySix Only | 7676  |
| (a)  | 10 Liter capacity water heater                                                                                                                                                                                                                                                                                                                                                    | 3 | Each | 12800 | Rupees Twelve Thousand Eight Hundred Only         | 38400 |
| (b)  | 25 Liter capacity water heater                                                                                                                                                                                                                                                                                                                                                    | 1 | Each | 3026  | Rupees Three Thousand TwentySix Only              | 3026  |
| 19   | Supplying and fixing of LED street light 25 W versatile pressure die-cast aluminium housing with UV stabilized PC IP diffuser for better light distribution alongwith electronic driver, complete with all accessories including making connections, testing etc. as required. Make:- Panasonic, Wipro, Philips, Havells or any other approved by Engineer-                       | 1 | Each | 700   | Rupees Seven Hundred Only                         | 700   |
| 20   | Supplying and erection of street light bracket made of G.I. pipe 'A' class of suitable length and dia, the pipe bended to give an angle of 100 to 110 degree fitted with bolt & nuts at the top of existing pole or wall including painting the pipe with two coats of approved paint over priming coat complete in all respects as required:- 32 mm dia. G.I. pipe, heavy        |   |      |       |                                                   |       |
| 21   | Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:- | 1 | Each | 2088  | Rupees Two Thousand EightyEight Only              | 2088  |
| (a)  | 6 way, Double door                                                                                                                                                                                                                                                                                                                                                                |   |      |       |                                                   |       |
| (b)  | Double Door-12 Way.                                                                                                                                                                                                                                                                                                                                                               | 1 | Each | 2709  | Rupees Two Thousand Seven Hundred Nine Only       | 2709  |
| (c.) | Double Door-16 Way.                                                                                                                                                                                                                                                                                                                                                               | 1 | Each | 3296  | Rupees Three Thousand Two Hundred NinetySix Only  | 3296  |

|                |                                                                                                                                                                                                                                                         |    |       |      |                                                  |               |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|------|--------------------------------------------------|---------------|
| 22             | Supplying and fixing Higher Rating (80 to 125A) 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. |    |       |      |                                                  |               |
| (a)            | MCB DP 50/63 A "C" curve                                                                                                                                                                                                                                | 3  | Each  | 1432 | Rupees One Thousand Four Hundred Thirty-Two Only | 4296          |
| 23             | Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.            | 25 | Each  | 260  | Rupees Two Hundred Sixty Only                    | 6500          |
| 24             | Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/coke and salt as required.        | 1  | Each  | 6136 | Rupees Six Thousand One Hundred Thirty-Six Only  | 6136          |
| 25             | Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/termination with GI thimble etc. as required.                                                                                 | 20 | P/mtr | 40   | Rupees Fourty Only                               | 800           |
| <b>Total:-</b> |                                                                                                                                                                                                                                                         |    |       |      |                                                  | <b>385983</b> |

Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 3000/- Only.

*Draft Schedule of Quantity approved for Rs. 3,85,983/- only  
Rupees Three Lacs Eighty Five Thousand Nine Hundred Eighty Three Only*

*Include*  
**Executive Engineer,  
Electrical Division No. 1  
Muzaffargarh District**

# DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs. 1,67,545/- only  
Earnest Money:- Rs. 3400/- only  
Time:- One Months

Name of work:- C/O Directorate of Women and Child Development, Women Commission, Child Protection Service Scheme, State Resource Center for Women, HP State Commission for Protection of Child Rights and Saksham Gudiya Board in 4th floor (Level 69.80M) of multistory Parking Complex, Tutikandi Shimla-5 ((SH:- Additional work of E.I. therein)

| S.No. | Description of Items                                                                                                                                                                                                                                                                                                                                                                                                                        | Qty. | Unit  | In Figures | Rate<br>In words                                    | Amount        |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|------------|-----------------------------------------------------|---------------|
| 1     | Providing and fixing following rating and breaking capacity MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.                                                                                                                                                                                                        |      |       |            |                                                     |               |
| 1.01  | MCCB 100 A 30/36 KA 4Pole                                                                                                                                                                                                                                                                                                                                                                                                                   | 10   | each  | 7324       | Rupces Seven Thousand Three Hundred TwentyFour Only | 73240         |
| 2     | Providing and installation of light duty, plastic body, ventilating fan of following sizes in the existing opening, by means of suitable rag-bolts/nuts, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required complete in all respects to the satisfaction of the Engineer-in-Charge:- Make: Havell's, Bajaj, Crompton Greaves, Usha, Kahitan etc. |      |       |            |                                                     |               |
| 2.01  | Ventilating Fan, Light duty, (Plastic body) 150 mm sweep                                                                                                                                                                                                                                                                                                                                                                                    | 33   | each  | 1885       | Rupces One Thousand Eight Hundred EightyFive Only   | 62205         |
| 3     | Providing, laying and fixing of one No. Copper conductor, PVC insulated and PVC sheathed, unarmoured/XLPE power cable, working voltage 1100 volts grade on surface etc. of the required size, complete in all respect including making connections, testing etc. as required. Make: Plaza Cables, Havells or as approved by Engineer-in-Charge. Copper Conductor Cable 25 sq mm Single core Unarmoured.                                     | 60   | meter | 535        | Rupces Five Hundred ThirtyFive Only                 | 32100         |
|       | <b>Total:-</b>                                                                                                                                                                                                                                                                                                                                                                                                                              |      |       |            |                                                     | <b>167545</b> |

Draft Schedule of Quantity approved for Rs. 1,67,545/- only  
(Rupees. One Lacs Sixty Seven Thousand Five Hundred forty Five) only

Executive Engineer,  
Electrical Division No-1  
Tutikandi, Shimla-171001

# DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs.4,68,313/- only  
Earnest Money:- Rs.9400 /- only  
Time:-One Months

Name of work:- Providing SOP cable in Jawahar Lal Nehru Govt degree college of Fine Arts in Loharab Distt Shimla.

| S.No.   | Description of Items                                                                                                                                                                                                                                                                                                                                                                   | Qty. | Unit   | In Figures | Rate<br>In words                                         | Amount |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|------------|----------------------------------------------------------|--------|
| 1       | Providing & Laying of one number aluminium conductor, PVC insulated and PVC sheathed armoured/ XLPE power cable, 1.1 KV grade of following sizes direct in ground including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering.                                                                                                |      |        |            |                                                          |        |
| 1.01    | Armoured cable 300 sq.mm (3.5 core)                                                                                                                                                                                                                                                                                                                                                    | 125  | p/mtr. | 3307       | Ruppes Three Thousand Three Hundred Six Paise Fifty Only | 413313 |
| 2       | Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc.direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc. complete as required. |      |        |            |                                                          |        |
| 2.01    | 120 mm dia (OD-120 mm & ID-103 mm nominal)                                                                                                                                                                                                                                                                                                                                             | 100  | p/mtr. | 550        | Ruppes Five Hundred Fifty Only                           | 55000  |
| Total:- |                                                                                                                                                                                                                                                                                                                                                                                        |      |        |            |                                                          | 468313 |

*Draft Schedule of Quantity approved for Rs. 468,313/- only  
(Rupees Four Lacs Sixty Eight Thousand Three Hundred Thirteen)*

Executive Engineer,  
Electrical Division No-1  
H.P.D.O., Shimla-171001  
14/02/2020

# DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs. 4,96,857/- only  
Earnest Money:- Rs. 10000/- only  
Time:- Two Months

Name of work:- Providing Rewiring in HPPWD B&R Circle in Ground Floor at Nahan, Distt Sirmour (H.P.)

| S.No. | Description of Items                                                                                                                                                                                                                                                                                                                                                                                | Qty. | Unit   | In   | Rate<br>In words                                  | Amount |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|------|---------------------------------------------------|--------|
| 1     | Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm FRLS PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required.                                   |      |        |      |                                                   |        |
| 1.01  | Group-C                                                                                                                                                                                                                                                                                                                                                                                             | 62   | Each   | 1069 | Rupees One Thousand Sixty Nine Only               | 66278  |
| 2     | Supplying and fixing suitable G.I. with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.                                                                                                                                                                          | 21   | Each   | 539  | Rupees Five Hundred Thirty Nine Only              | 11319  |
| 3     | Supplying and fixing suitable G.I. with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.                                                                                                                                                                | 23   | Each   | 661  | Rupees Six Hundred Sixty One Only                 | 15203  |
| 4     | Supplying and fixing electrical switch board, having 3 No. of 5 amp. switches and socket on suitable size of metal box of mm deep 6 modules (205mmx78mmx50mm on surface or in recess with suitable size phenolic laminated sheet cover in the front i/c providing and fixing 3 No. 5 pin 5/6 amp socket outlet and 5/6 amp modular type switch, connection, painting etc. as req. (For light plugs) | 16   | Each   | 1187 | Rupees One Thousand One Hundred Eighty Seven Only | 18992  |
| 5     | Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required                                                                                                                                                                                                |      |        |      |                                                   |        |
| 5.01  | 2x1.5 sq.mm + 1x1.5 sq.mm earth wire                                                                                                                                                                                                                                                                                                                                                                | 130  | P/mtr. | 169  | Rupees One Hundred Sixty Nine Only                | 21970  |
| 5.02  | 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire                                                                                                                                                                                                                                                                                                                                                          | 170  | Meter  | 213  | Rupees Two Hundred Thirteen Only                  | 36210  |
| 5.03  | 2x 4 sq.mm + 1x 4 sq.mm earth wire                                                                                                                                                                                                                                                                                                                                                                  | 160  | P/mtr. | 274  | Rupees Two Hundred Seventy Four Only              | 43840  |
| 5.04  | 2 X 10 sq. mm + 1 X 6 sq. mm earth wire                                                                                                                                                                                                                                                                                                                                                             | 30   | P/mtr. | 509  | Rupees Five Hundred Nine Only                     | 15270  |
| 5.05  | 4x 4 sq.mm + 2x 4 sq.mm earth wire                                                                                                                                                                                                                                                                                                                                                                  | 115  | P/mtr. | 464  | Rupees Four Hundred Sixty Four Only               | 53360  |
| 5.06  | 4x16 sq.mm + 2x 6 sq.mm earth wire                                                                                                                                                                                                                                                                                                                                                                  | 2    | P/mtr. | 1231 | Rupees One Thousand Two Hundred Thirty One Only   | 2462   |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                       |     |         |       |                                                       |       |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------|-------|-------------------------------------------------------|-------|
| 6     | Supplying and drawing following sizes of ERLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.                                                                                                                                                                                                                                                     |     |         |       |                                                       |       |
| 6.01  | 3x1.5 Sq. mm                                                                                                                                                                                                                                                                                                                                                                                                          | 100 | per mtr | 83    | Rupees Eighty Three Only                              | 8300  |
| 6.02  | 3 x 2.5 sq. mm                                                                                                                                                                                                                                                                                                                                                                                                        | 118 | per mtr | 128   | Rupees One Hundred TwentyEight Only                   | 15104 |
| 7     | Providing and installation of following type of surface mounting square/round type LED panel Light with aluminium die cast housing in white finish with anti glare polycarbonate diffuser and separated energy efficient constant current, non-integral, electronic driver, suitable for input voltage: AC 220-240 V.                                                                                                 |     |         |       |                                                       |       |
| 7.01  | 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make<br>Square/round LED Panel Light 18/20W Surface                                                                                                                                                                                                                                                                        | 1   | Each    | 1626  | Rupees One Thousand Six Hundred TwentySix Only        | 1626  |
| 8     | Providing and installation of following type of LED batten with aluminium housing, anti glare polycarbonate diffuser and energy efficient constant current, integral electronic driver, suitable for input voltage: AC 220-240 V. 50/60Hz, complete with all accessories, including mounting clamps, connections, testing etc. as required: of Approved Make                                                          |     |         |       |                                                       |       |
| 8.01  | LED Batten Light 20W                                                                                                                                                                                                                                                                                                                                                                                                  | 22  | Each    | 704   | Rupees Seven Hundred Four Only                        | 15488 |
| 9     | Providing and installation of following type of surface mounting square/round type LED panel Light with aluminium die cast housing in white finish with anti glare polycarbonate diffuser and separated energy efficient constant current, non-integral, electronic driver, suitable for input voltage: AC 220-240 V. 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make |     |         |       |                                                       |       |
| 9.01  | Square LED Panel Light 36W Surface                                                                                                                                                                                                                                                                                                                                                                                    | 4   | Each    | 3853  | Rupees Three Thousand Eight Hundred FiftyThree Only   | 15412 |
| 9.02  | Square/round LED Panel Light 24W Surface                                                                                                                                                                                                                                                                                                                                                                              | 2   | Each    | 2673  | Rupees Two Thousand Six Hundred SeventyThree Only     | 5346  |
| 10    | Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.                                                                                                                                                                   | 2   | per set | 18836 | Rupees Eighteen Thousand Eight Hundred ThirtySix Only | 37672 |
| 11    | Supplying and laying 8 SWG Copper wire at 0.50 mtr. Below ground level for earth electrode conductor, including soldering etc. as required.                                                                                                                                                                                                                                                                           | 60  | per mtr | 256   | Rupees Two Hundred FiftySix Only                      | 15360 |
| 12    | Providing and installation exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: of Approved Make                                                                                                                                                                    |     |         |       |                                                       |       |
| 12.01 | Exhaust Fan, Light duty, (Domestic) 225/230 mm sweep                                                                                                                                                                                                                                                                                                                                                                  | 3   | Each    | 1903  | Rupees One Thousand Nine Hundred Three Only           | 5709  |

|         |                                                                                                           |   |      |     |                                     |        |
|---------|-----------------------------------------------------------------------------------------------------------|---|------|-----|-------------------------------------|--------|
| 19      | Supplying and fixing Ding Dong/ call bell/ buzzer suitable for single phase, 230 V. complete as required  | 4 | Each | 317 | Ruppes Three Hundred Seventeen Only | 1268   |
| 20      | P/F openable sheet metal shutter suitable for exhaust fan size 300mm as required complete in all respect. | 3 | Each | 462 | Ruppes Four Hundred Sixty Two Only  | 1386   |
| Total:- |                                                                                                           |   |      |     |                                     | 496857 |

*Draft Schedule of quantity approved for Rs. 4,96,857/- only  
(Ruppes Four Lacs. Ninety six Thousand Eight Hundred fifty five)*

*Shah*  
Executive Engineer,  
Electrical Division No-1  
Hyderabad, Shikhar-174300

# DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs.4,90,429/- only  
Earnest Money:- Rs.9800 /- only  
Time:- Three Months

Name of work:- Providing Rewiring in Police Station at Boileauganj Shimla - 2 (SH:- Providing rewiring therein)

| S.No. | Description of Items                                                                                                                                                                                                                                                                                                                                                                              | Qty. | Unit  | Rate       |                                    | Amount |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|------------|------------------------------------|--------|
|       |                                                                                                                                                                                                                                                                                                                                                                                                   |      |       | In Figures | In words                           |        |
| 1     | Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.                               |      |       |            |                                    |        |
| 1.01  | Group C                                                                                                                                                                                                                                                                                                                                                                                           | 97   | Each  | 1031       | Rupees One Thousand ThirtyOne Only | 100007 |
| 2     | Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.                                                                                                                                                                                                        |      |       |            |                                    |        |
| 2.01  | 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire                                                                                                                                                                                                                                                                                                                                                        | 234  | Meier | 171        | Rupees One Hundred SeventyOne Only | 40014  |
| 2.02  | 2 X 4 sq. mm + 1 X 4 sq. mm earth wire                                                                                                                                                                                                                                                                                                                                                            | 190  | Meier | 269        | Rupees Two Hundred SixtyNine Only  | 51110  |
| 2.03  | 4 X 4 sq. mm + 2 X 4 sq. mm earth wire                                                                                                                                                                                                                                                                                                                                                            | 92   | Meier | 452        | Rupees Four Hundred FiftyTwo Only  | 41584  |
| 2.04  | 2 X 10 sq. mm + 1 X 10 sq. mm earth wire                                                                                                                                                                                                                                                                                                                                                          | 57   | Meier | 518        | Rupees Five Hundred Eighteen Only  | 29526  |
| 3     | Supplying and fixing metal box of 100mm X 60mm deep (nominal size) on surface/recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 5 pin 5/6 Amps socket outlet and 5/6 Amps piano type switch, connections, painting etc. as required.                                                                                                            | 37   | Each  | 272        | Rupees Two Hundred SeventyTwo Only | 10064  |
| 4     | Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface/recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 5 pin 15/16 Amps socket outlet and 15/16 Amps piano type switch, connections, painting etc. as required.                                                                                                | 41   | Each  | 414        | Rupees Four Hundred Fourteen Only  | 16974  |
| 5     | Supplying and Fixing electrical switch Borad habving 3 no of 5amp switches and socket on a suitable size of metal box of 200mm X 150mm X 75mm deep (normal size) on surface or in recess with suitable size phenolic laminated sheet cover in the front i/c providing and fixing 3 No. 5 pin 5/6 amp socket outlet and 5/6 amp piano type switch connection painting etc. as req (for light plug) |      |       |            |                                    |        |
| 5.01  | Computer Point (3+3)                                                                                                                                                                                                                                                                                                                                                                              | 4    | Each  | 469        | Rupees Four Hundred SixtyNine Only | 1876   |
| 6     | Supplying and fixing bakelite batten/angle holder including connections etc. As required:-                                                                                                                                                                                                                                                                                                        | 10   | Each  | 87         | Rupees EightySeven Only            | 870    |

|       |                                                                                                                                                                                                                                                                                                                                                                                                               |    |      |       |                                                          |       |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|-------|----------------------------------------------------------|-------|
| 7     | Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.                                                                                                                                                                                                                                                                                                                | 1  | Each | 170   | Rupees One Hundred Seventy Only                          | 170   |
| 8     | Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)                                                                                                  |    |      |       |                                                          |       |
| 8.01  | 8 way, Double door                                                                                                                                                                                                                                                                                                                                                                                            | 1  | Each | 2265  | Rupees Two Thousand Two Hundred SixtyFive Only           | 2265  |
| 8.02  | 12 way, Double door                                                                                                                                                                                                                                                                                                                                                                                           | 5  | Each | 2692  | Rupees Two Thousand Six Hundred Ninety Two Only          | 13460 |
| 9     | Supplying and fixing 6 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.                                                                                                                                                                  |    |      |       |                                                          |       |
| 9.01  | MCB SP 6 to 16 Amp                                                                                                                                                                                                                                                                                                                                                                                            | 54 | Each | 257   | Rupees Two Hundred FiftySeven Only                       | 13878 |
| 10    | Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.                                                                                                                                                                                                                                             |    |      |       |                                                          |       |
| 10.01 | 63 A DP                                                                                                                                                                                                                                                                                                                                                                                                       | 6  | Each | 1429  | Rupees One Thousand Four Hundred TwentyNine Only         | 8574  |
| 11    | Supplying and fixing TP&N copper bus-bar chamber suitable for 415 volts capacity with 4 No. copper strip bus-bars Each of length and x-section suitable for following current carrying capacities, enclosure made of sheet steel, dust protected, duly powder painted with detachable gland plate and other accessories including drilling holes on the board, making connections, earthing etc. as required. |    |      |       |                                                          |       |
| 11.01 | 100 A Copper Busbar Chambers 24" (SS Enclosure)                                                                                                                                                                                                                                                                                                                                                               | 1  | Each | 6230  | Rupees Six Thousand Two Hundred Thirty Only              | 6230  |
| 11.02 | 200 A Copper Busbar Chambers 24" (SS Enclosure)                                                                                                                                                                                                                                                                                                                                                               | 1  | Each | 6890  | Rupees Six Thousand Eight Hundred Ninety Only            | 6890  |
| 12    | Providing and fixing following rating and braking capacity with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.                                                                                                                                                                                |    |      |       |                                                          |       |
| 12.01 | 100 A MCCB 30 KA 4 P                                                                                                                                                                                                                                                                                                                                                                                          | 1  | Each | 6744  | Rupees Six Thousand Seven Hundred FourtyFour Only        | 6744  |
| 12.02 | 200 A MCCB 36 KA 4 P                                                                                                                                                                                                                                                                                                                                                                                          | 1  | Each | 23759 | Rupees TwentyThree Thousand Seven Hundred FiftyNine Only | 23759 |
| 13    | Providing and installation exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: of Approved Make                                                                                                                                                            |    |      |       |                                                          |       |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |       |      |                                                     |       |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|------|-----------------------------------------------------|-------|
| 13.01 | Exhaust Fan. Heavy duty. 300 mm sweep                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2  | Each  | 3734 | Rupees Three Thousand Seven Hundred ThirtyFour Only | 7468  |
| 14    | Providing and installation of following type of surface mounting square/round type LED panel light with aluminium die cast housing in white finish with anti glare polycarbonate diffuser and separated energy efficient constant current, non-integral, electronic driver; suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make                                                                                                 |    |       |      |                                                     |       |
| 14.01 | Square/round LED Panel Light 10W/12W Surface                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5  | Each  | 1578 | Rupees One Thousand Five Hundred SeventyEight Only  | 7890  |
| 14.02 | Square/round LED Panel Light 15W Surface                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5  | Each  | 2054 | Rupees Two Thousand FiftyFour Only                  | 10270 |
| 14.03 | Square/round LED Panel Light 18W Surface                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 20 | Each  | 2158 | Rupees Two Thousand One Hundred FiftyEight Only     | 43160 |
| 14.04 | Square LED Panel Light 24W Surface 1X1 feet                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2  | Each  | 2391 | Rupees Two Thousand Three Hundred NinetyOne Only    | 4782  |
| 15    | Providing and installation of following type of ultra slim decorative LED batten with extruded aluminium heat sink, anti glare polycarbonate diffuser and energy efficient constant current, integral electronic driver; suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clips and loop in loop out wire, connections, testing and commissioning etc. as required: of Make: Philips, Syska, GE, bajaj,C&S, Panasonic or any other approved by Engineer-in-charge |    |       |      |                                                     |       |
| 15.01 | LED Batten 20 Watts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 9  | Each  | 798  | Rupees Seven Hundred NinetyEight Only               | 7182  |
| 16    | Providing & Laying of one number aluminium conductor, PVC insulated and PVC sheathed armoured/ XLPE power cable, 1.1 KV grade of following sizes direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.                                                                                                                                                                                                                                                |    |       |      |                                                     |       |
| 16.01 | Cable 50 sq. Mm 3.5 Core                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 30 | Meter | 545  | Rupees Five Hundred FourtyFive Only                 | 16350 |
| 16.02 | Cable 25 sq. Mm 3.5 Core                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 28 | Meter | 314  | Rupees Three Hundred Fourteen Only                  | 8792  |
| 17    | Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.                                                                                                                                                                                                                                                                     | 1  | Set   | 5909 | Rupees Five Thousand Nine Hundred Nine Only         | 5909  |
| 18    | Supplying and Fixing 6 SWG G.I. wireon surface or in recess for loop earthing along with existing surface/recessed conduit/submain wiring/cable as required.                                                                                                                                                                                                                                                                                                                                                          | 1  | Meter | 31   | Rupees ThirtyOne Only                               | 31    |



# DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs.4,98,425/- only  
 Earnest Money:- Rs.10000 /- only  
 Time:- Three Months

Name of work:- Providing Special Repair/Additional Alternation of E.L. in various branches, Courts-Block- A, Block - B and Parking Block at District Court Complex Chaker Shimla-9

| S.No. | Description of Items                                                                                                                                                                                                                                                                                                                                                                                                 | Qty. | Unit   | Rate       |                                                 | Amount |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|------------|-------------------------------------------------|--------|
|       |                                                                                                                                                                                                                                                                                                                                                                                                                      |      |        | In Figures | In words                                        |        |
| 1     | Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor. single core cable in surface/ recessed medium class PVC conduit as required                                                                                                                                                                                                                 |      |        |            |                                                 |        |
| 1.01  | 2 X 1.5 sq. mm + 1 X 1.5 sq. mm                                                                                                                                                                                                                                                                                                                                                                                      | 30   | P/Mtr. | 171        | Rupees One Hundred SeventyOne Only              | 5130   |
| 1.02  | 2 X 4 sq. mm + 1 X 4 sq. mm                                                                                                                                                                                                                                                                                                                                                                                          | 22   | P/Mtr. | 269        | Rupees Two Hundred SixtyNine Only               | 5918   |
| 2     | Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in FRLSont including providing and fixing 6 pin 5/6 & 15/16 amps socket outlet and 15/16 amps piano type switch, connection, painting etc. as required.                                                                                                      | 3    | Each   | 414        | Rupees Four Hundred Fourteen Only               | 1242   |
| 3     | Supplying and fixing 5 A to 32 A rating. 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.                                                                                                                                                                         |      |        |            |                                                 |        |
| 3.01  | Single pole, Cat-A.                                                                                                                                                                                                                                                                                                                                                                                                  | 3    | Each   | 257        | Rupees Two Hundred FiftySeven Only              | 771    |
| 4     | Providing and installation of following type of LED batten with aluminium housing, anti glare polycarbonate diffuser and energy efficient constant current, integral electronic driver, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clamps, connections, testing etc. as required: of Approved Make                                                         |      |        |            |                                                 |        |
| 4.01  | LED Batten Light 20 W                                                                                                                                                                                                                                                                                                                                                                                                | 34   | Each   | 798        | Rupees Seven Hundred NinetyEight Only           | 27132  |
| 5     | Providing and installation of following type of surface mounting square/round type LED panel Light with aluminium die cast housing in white finish with anti glare polycarbonate diffuser and seprated energy efficient constant current, non-integral, electronic driver, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make |      |        |            |                                                 |        |
| 5.01  | Square LED Panel Light 30W Surface                                                                                                                                                                                                                                                                                                                                                                                   | 8    | Each   | 3380       | Rupees Three Thousand Three Hundred Eighty Only | 27040  |
| 5.02  | Square/round LED Panel Light 18/20W Surface                                                                                                                                                                                                                                                                                                                                                                          | 70   | Each   | 2158       | Rupees Two Thousand One Hundred FiftyEight Only | 151060 |
| 5.03  | Square/round LED Panel Light 36 W Surface                                                                                                                                                                                                                                                                                                                                                                            | 8    | Each   | 5208       | Rupees Five Thousand Two Hundred Eight Only     | 41664  |

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |      |       |                                                       |               |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|-------|-------------------------------------------------------|---------------|
| 6    | Providing and installation exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required of Approved Make                                                                                                                                                                                                                          |    |      |       |                                                       |               |
| 6.01 | Exhaust Fan, Heavy duty, (Domestic) 300 mm sweep                                                                                                                                                                                                                                                                                                                                                                                                                           | 10 | Each | 3734  | Rupees Three Thousand Seven Hundred ThirtyFour Only   | 37340         |
| 6.02 | Exhaust Fan, light duty, (Domestic) 225 mm sweep                                                                                                                                                                                                                                                                                                                                                                                                                           | 10 | Each | 1848  | Rupees One Thousand Eight Hundred FourtyEight Only    | 18480         |
| 7    | Providing and installation of following type of LED retrofit lamp B-22 holder base with polycarbonate body and aluminium heat sink; suitable for input voltage: AC 220-240 V, 50/60Hz, including mounting in existing fixture, testing etc. as required complete in all respects. Make: Philips, Greatwhite, Syska, GE, Crompton, Bajaj, C&S, Panasonic, Surya, Havells or any other approved by Engineer-in-Charge.                                                       | 70 | Each | 158   | Rupees One Hundred FiftyEight Only                    | 11060         |
| 8    | Providing and fixing Slim Flood light luminaire with heat sink & high power LED and unique flood optics to ensure uniform distribution and save upto 50% w.r.t. convectional system and maintenance system, ideal for area lighting high-mast, LED 100 Watt white, white or its equivalent Make: Havells, Twinkle, Syska, GE, Bajaj, Jaquar, C&S, Panasonic or any other approved by Engineer-in-Charge.                                                                   |    |      |       |                                                       |               |
| 8.01 | LED Flood Light 100 W                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1  | Each | 4108  | Rupees Four Thousand One Hundred Eight Only           | 4108          |
| 9    | Providing & fixing LED Post Top - Arctural fixture made of die cast aluminium, base and aluminium housing with power LED, s are mounted directly on inbuilt heat sink, A UV stabilized PC/PMMA diffuser, provided for glare free lighting with high visual comfort, complete in all respect including connections etc. as required & as per best satisfactory of Engineer-in-Charge at site. Make:- K-lite, GE, Bajaj, Twinkle or any other approved by Engineer-in-charge |    |      |       |                                                       |               |
| 9.01 | LED Post Top Arctured 40 Watt                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5  | Each | 23416 | Rupees TwentyThree Thousand Four Hundred Sixteen Only | 117080        |
| 10   | Providing and fixing 12V 18AH SMF batteries in/c making connection testing as reqd/directed at site. make: Exide/Quantal/Luminious.                                                                                                                                                                                                                                                                                                                                        | 12 | Each | 4200  | Rupees Four Thousand Two Hundred Only                 | 50400         |
|      | <b>Total:-</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |      |       |                                                       | <b>498425</b> |

Condition:- The Credit for old dismantled material will be recovered from the contractor on US basis @ Rs. 1500/- Only.

*Draft Schedule of Quantity approved for Rs. 4,98,425/- only  
(Rupees. Four Lacs Ninety Eight Thousand Four Hundred Twenty Five only.)*

**Executive Engineer,  
Electrical Division No-1**

**441/2340, Shikhar-174339**

## DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs. 2,33,145/- only  
 Earnest Money:- Rs.4700/- only  
 Time:- Three Months

Name of work:- Expansion of Hon'ble Judges' Lounge in Main High Court Building, H.P. (SH:-Providing decorative low noise Fan Coil Units and Fire Alarm System thereof)

| S.No. | Description of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Qty. | Unit  | Rate       |                                                        | Amount |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|------------|--------------------------------------------------------|--------|
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |       | In Figures | In words                                               |        |
| 1     | Supplying, installation, testing & commissioning of Decorative (Fancy) low noise factory built cabinet type, floor mounted single skin hot water FCU suitable to give of 4000 kcal heat output at 60deg inlet water temperature complete with centrifugal blower mounted on double shaft motor of suitable for operation on single phase 230 V 50 Hz AC supply complete with Cu. tube A.I. timed hot water coil, drain pan inlet filter washable type with synthetic media complete with all necessary connections as required: ( Gaps LTI/ Rapidcool/Dyna flow/Ultratherm | 2    | each  | 59308      | Rupees Fifty Nine Thousand Three Hundred Eight Only    | 118616 |
| 2     | Providing and fixing of brass valve set size 19mm x 5/8 with strainer one side flare & other side socket end suitable for 95 degree temperature with teflon seat complete as required                                                                                                                                                                                                                                                                                                                                                                                      | 2    | each  | 5277       | Rupees Five Thousand Two Hundred SeventySeven Only     | 10554  |
| 3     | Supply and fixing of digitally addressed type digitally automatic fire Alarm detectors - Optical/Photoelectric type smoke detectors of photo-optic sensing chamber, 12 / 24 volt D.C., visual alarm indicator (LED's) "Blink - green / red red" in alarm complete with base including making connection complete as required Make: ASES/Sytem sensor                                                                                                                                                                                                                       | 13   | each  | 2991       | Rupees Two Thousand Nine Hundred NinetyOne Only        | 38883  |
| 4     | Supply and fixing of resettable type addressable manual call points The manual call point should have an indicator, which should "blink" in stand by condition. Make: ASES/Sytem                                                                                                                                                                                                                                                                                                                                                                                           | 1    | each  | 3556       | Rupees Three Thousand Five Hundred FiftySix Only       | 3556   |
| 5     | Supply and fixing of electronic sounders /hooters cum speaker housed in Polymer housing suitable for wall mounting (Make : ASES/Sytem sensor                                                                                                                                                                                                                                                                                                                                                                                                                               | 1    | each  | 3358       | Rupees Three Thousand Three Hundred FiftyEight Only    | 3358   |
| 6     | Supply and fixing of microprocessor based digital ADDRESSABLE two zone fire alarm panel, digitally addressable zones, 40X2 character LCD, Non networkable models, Zone wise sounder circuit, Field programming through ATX keyboard, 32 character field programmable point text for each sensor, Zone wise fire fault LED indication, Zone isolation facility. Make:ASES/Sytem sensor                                                                                                                                                                                      | 1    | each  | 32568      | Rupees ThirtyTwo Thousand Five Hundred SixtyEight Only | 32568  |
| 7     | Supply and laying of following size PVC insulated copper conductor control cable including making connections complete as required                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |       |            |                                                        |        |
| 7.01  | 2 core 1.5 sq mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |       |            |                                                        |        |
|       | Total:-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 130  | p/mtr | 197        | Rupees One Hundred NinetySeven Only                    | 25610  |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |       |            |                                                        | 233145 |

*Draft Schedule of quantity approved for Rs. 2,33,145/- only  
 (Rupees Two Lacs Thirty Three Thousand One Hundred Twenty Five) only.*

Executive Engineer,  
 Electrical Division No-1

By H.P. 230, Shimla-171003

# DRAFT SCHEDULE OF QUANTITY

Name of work:- Providing Special Repair/Additional Alternation to E.I in various Kothi No. C4,C7,C11,D1 at Bamloe Shimla

Estimated Cost:- Rs.2,71,163/- only  
Earnest Money:- Rs. 5500/- only  
Time:- Three Months

| S.No. | Description of Items                                                                                                                                                                                                                                                                                                                                                                  | Qty. | Unit  | In Figures | Rate<br>In words                       | Amount |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|------------|----------------------------------------|--------|
| 1     | Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.                           |      |       |            |                                        |        |
| 1.01  | Group B                                                                                                                                                                                                                                                                                                                                                                               | 12   | point | 901        | Rupees Nine Hundred One Only           | 10812  |
| 2     | Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.      |      |       |            |                                        |        |
| 2.01  | Group B                                                                                                                                                                                                                                                                                                                                                                               | 42   | point | 823        | Rupees Eight Hundred Twenty Three Only | 34566  |
| 3     | Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.                                                                                                                                                                                 |      |       |            |                                        |        |
| 3.01  | 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire                                                                                                                                                                                                                                                                                                                                            | 96   | Meter | 171        | Rupees One Hundred Seventy One Only    | 16416  |
| 3.02  | 2 X 4 sq. mm + 1 X 4 sq. mm earth wire                                                                                                                                                                                                                                                                                                                                                | 87   | Meter | 269        | Rupees Two Hundred Sixty Nine Only     | 23403  |
| 3.03  | 4 X 4 sq. mm + 2 X 4 sq. mm earth wire                                                                                                                                                                                                                                                                                                                                                | 46   | Meter | 452        | Rupees Four Hundred Fifty Two Only     | 20792  |
| 4     | Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.                                                                                                                                                | 8    | each  | 548        | Rupees Five Hundred Fourty Eight Only  | 4384   |
| 5     | Supplying and fixing suitable size GI box with modular plate and cover in FRLS on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.                                                                                                                                       | 3    | each  | 730        | Rupees Seven Hundred Thirty Only       | 2190   |
| 6     | Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in FRLS on surface or in recess, including providing and fixing 3 pin 5/6 amps socket outlet and 5/6 amps piano type switch, connection, painting etc. as required. (For light plugs to be used in non residential buildings). | 31   |       | 272        | Rupees Two Hundred Seventy Two Only    | 8432   |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |      |      |                                                  |       |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|------|--------------------------------------------------|-------|
| 7     | Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in FRL. Sont including providing and fixing 6 pin 5/6 & 15/16 amps socket outlet and 15/16 amps piano type switch, connection, painting etc. as required.                                                                                                                                     | 13 |      | 414  | Rupees Four Hundred Fourteen Only                | 5382  |
| 8     | Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.                                                                                                                                                                                                          |    |      |      |                                                  |       |
| 8.01  | Single pole, Cat-A.                                                                                                                                                                                                                                                                                                                                                                                                                                   | 12 | each | 257  | Rupees Two Hundred FiftySeven Only               | 3084  |
| 9     | Supplying and fixing Higher Rating (80 to 125A) 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.                                                                                                                                                                                               |    |      |      |                                                  |       |
| 9.01  | MCB DP 50/63 A 'C' curve                                                                                                                                                                                                                                                                                                                                                                                                                              | 3  | each | 1429 | Rupees One Thousand Four Hundred TwentyNine Only | 4287  |
| 10    | Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)                                                                                                                                          |    |      |      |                                                  |       |
| 10.01 | 8 way . Double door                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2  | each | 2265 | Rupees Two Thousand Two Hundred SixtyFive Only   | 4530  |
| 11    | Providing and installation of following type of LED batten with aluminium housing, anti glare polycarbonate diffuser and energy efficient constant current, integral electronic driver, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clamps, connections, testing etc. as required: of Approved Make Engineer-in-Charge.                                                                      |    |      |      |                                                  |       |
| 11.01 | LED Batten Light 20W                                                                                                                                                                                                                                                                                                                                                                                                                                  | 13 | each | 798  | Rupees Seven Hundred NinetyEight Only            | 10374 |
| 11.02 | LED Batten Light 10W                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4  | each | 586  | Rupees Five Hundred EightySix Only               | 2344  |
| 12    | Providing and installation of Light duty, plastic body, ventilating fan of following sizes in the existing opening, by means of suitable rage-bolts/nuts, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required complete in all respects to the satisfaction of the Engineer-in-Charge:- Make: Havells, Bajaj, Crompton Greaves, Standard, Usha, Kahlian etc. |    |      |      |                                                  |       |
| 12.01 | Fresh air fan 225mm                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3  | each | 1716 | Rupees One Thousand Seven Hundred Sixteen Only   | 5148  |
| 13    | Providing and installation of following type of surface mounting square/round type LED panel Light with aluminium die cast housing in white finish with anti glare polycarbonate diffuser and seprated energy efficient constant current, non-integral, electronic driver, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make Engineer-in-Charge.              |    |      |      |                                                  |       |
| 13.01 | Square/round LED Panel Light 6/7W Surface                                                                                                                                                                                                                                                                                                                                                                                                             | 15 | each | 1102 | Rupees One Thousand One Hundred Two Only         | 16530 |

|       |                                                                                                                                                                                                                                                                                                   |    |      |       |                                                      |               |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|-------|------------------------------------------------------|---------------|
| 13.02 | Square/round LED Panel Light 12/15W Surface                                                                                                                                                                                                                                                       | 16 | each | 1578  | Rupees One Thousand Five Hundred SeventyEight Only   | 25248         |
| 13.03 | Square/round LED Panel Light 18/20W Surface                                                                                                                                                                                                                                                       | 9  | each | 2158  | Rupees Two Thousand One Hundred FiftyEight Only      | 19422         |
| 13.04 | Square/round LED Panel Light 24 Surface                                                                                                                                                                                                                                                           | 2  | each | 2391  | Rupees Two Thousand Three Hundred NinetyOne Only     | 4782          |
| 14    | Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:- |    |      |       |                                                      |               |
| 14.01 | 10 Liter capacity water heater (Cat- A)                                                                                                                                                                                                                                                           | 1  | each | 9161  | Rupees Nine Thousand One Hundred SixtyOne Only       | 9161          |
| 14.02 | 25 Liter capacity water heater (Cat- A)                                                                                                                                                                                                                                                           | 2  | each | 12753 | Rupees Twelve Thousand Seven Hundred FiftyThree Only | 25506         |
| 15    | Providing and installation of following type of LED 9 W retrofit Lamp B-22 holder base with polycarbonate diffuser and aluminium heat sink including connections, testing and commissioning etc. as required. Make: Havells, Syska, Bajaj, Panasonic or any other approved by Engineer-in-Charge. |    |      |       |                                                      |               |
| 15.01 | LED 9 W retrofit Lamp                                                                                                                                                                                                                                                                             | 18 | each | 158   | Rupees One Hundred FiftyEight Only                   | 2844          |
| 16    | Supplying and fixing of following LED bulk head fitting with all accessories including making connections, testing etc. as required. Make:- Wipro, Havells, Philips, Panasonic or any other approved by Engineer-in-Charge. LED bulk head 10W                                                     | 3  | each | 1362  | Rupees One Thousand Three Hundred SixtyTwo Only      | 4086          |
| 17    | Providing and fixing of fancy wall bracket/mirror/bed light containing LED lamp holder (s) of all sizes and complete with all accessories but excluding LED lamp including making connection, testing etc. as required.                                                                           |    |      |       |                                                      |               |
| 17.01 | Bed light                                                                                                                                                                                                                                                                                         | 4  | each | 1860  | Rupees One Thousand Eight Hundred Sixty Only         | 7440          |
|       | <b>Total:-</b>                                                                                                                                                                                                                                                                                    |    |      |       |                                                      | <b>271163</b> |

Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 1000/- Only.

*Draft Schedule of Quantity approved for Rs. 2,71,163/- only  
(Rupees Two Lacs Seventy one Thousand One Hundred Sixty Three)*

*Manoj*  
Executive Engineer,  
Electrical Division No-1  
Hyderabad, S.No. 17/2020

### DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs.4,98,257/- only  
 Earnest Money:- Rs.10000 /- only  
 Time:-One Year

**Name of work:- Annual Maintenance contract of Various essential electrical components like electrical installation,D,G set ,Air Conditioner and CCTV system installed in circuit house at willy park Shimla-4 for the period of 01-04-2024 to 31-03-2025.**

| S.No. | Description of Items                                                                                                                                                                                                                                                                                                                                                                                           | Qty. | Unit | Rate       |                                                                  | Amount |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------------|------------------------------------------------------------------|--------|
|       |                                                                                                                                                                                                                                                                                                                                                                                                                |      |      | In Figures | In words                                                         |        |
| 1     | Annual Maintenance contract of electrical components installed I.e LED chandelier.LED fittings,exhaust fan,ceiling fan and all other electrical accessories and main controls.                                                                                                                                                                                                                                 |      |      |            |                                                                  |        |
| 1.01  | LABOUR                                                                                                                                                                                                                                                                                                                                                                                                         |      |      |            |                                                                  |        |
| 1.02  | The component will include deployment of technician to attend the E.I services to ensure proper maintenance on SOS basis round the clock and up keep of maintenance record to the best satisfaction of Engineer-in-Charge.                                                                                                                                                                                     |      |      |            |                                                                  |        |
| 1.03  | MATERIAL                                                                                                                                                                                                                                                                                                                                                                                                       |      |      |            |                                                                  |        |
| 1.04  | This part will include the provision of electrical material/accessories including Switch.Socket.Circuit wire.Sub main .MCB SP.LED drivers and repair of installed electrical accessories /fittings but the major replacement would be done on chargeable basis and the register of replaced material will be maintained by the firm along with the signature of client department staff on time to time basis. | 1    | Job  | 264385     | Rupees Two Lakh SixtyFour Thousand Three Hundred EightyFive Only | 264385 |
| 2.00  | Annual Maintenance contract of 1 No 100KVA D.G set                                                                                                                                                                                                                                                                                                                                                             |      |      |            |                                                                  |        |
| 2.01  | LABOUR                                                                                                                                                                                                                                                                                                                                                                                                         |      |      |            |                                                                  |        |
| 2.02  | The component will include deployment of technician/operator to attend the D.G services to ensure proper maintenance on SOS basis round the clock and up keep of maintenance record to the best satisfaction of Engineer-in-Charge.                                                                                                                                                                            |      |      |            |                                                                  |        |
| 2.03  | MATERIAL                                                                                                                                                                                                                                                                                                                                                                                                       |      |      |            |                                                                  |        |

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |            |               |                                                           |               |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|---------------|-----------------------------------------------------------|---------------|
| <b>2.04</b> | This part will include the provision of D.G material/accessories including .D.G inspection with alternator & A.M.I(monthly).Spin tube oil filter cartridge (2Nos).Fuel filter element pre (2 Nos).Fuel filter element sec (2 Nos). Coolant (3ltr).Engine oil (22 ltr).Main element for air cleaner (1 No). Fan belt (1 No). Rubber hose air cleaner.Hose radiator to engine.Hose engine to radiator.Fuel pipe feed pump to filter.Fuel pipe filter to pump.Battery wire and battery terminal (as required). but the replacement of D.G battery.BY bag D.G battery.D.G battery charger 12V and 24 V.solenoid.AVR Cardand timer relay would be done on chargeable basis and the register of replaced material will be maintained by the firm along with the signature of client department staff on time to time basis. | <b>1</b> | <b>Job</b> | <b>73464</b>  | Rupees SeventyThree Thousand Four Hundred SixtyFour Only  | <b>73464</b>  |
| <b>3.00</b> | <b>Annual Maintenance contract of 52 No Air conditioner</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |            |               |                                                           |               |
| <b>3.01</b> | <b>LABOUR</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |            |               |                                                           |               |
| <b>3.02</b> | The component will include deployment of technician to attend the services of 52 No Air conditioners their seasonal cleaning to ensure proper maintenance on SOS basis round the clock and up keep of maintenance record to the best satisfaction of Engineer-in-Charge.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |            |               |                                                           |               |
| <b>3.03</b> | <b>MATERIAL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |            |               |                                                           |               |
| <b>3.04</b> | This part will include the provision of 52 Nos A.C inspection (monthly).Glass refilling( as required) Cooper piping repair; Drain pipe repair as required other major replacement would be done on chargeable basis and the register of replaced material will be maintained by the firm along with the signature of client department staff on time to time basis.                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>1</b> | <b>Job</b> | <b>112860</b> | Rupees One Lakh Twelve Thousand Eight Hundred Sixty Only  | <b>112860</b> |
| <b>4</b>    | <b>Annual Maintenance contract of complete CCTV system</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |               |                                                           |               |
| <b>4.01</b> | <b>LABOUR</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |            |               |                                                           |               |
| <b>4.02</b> | The component will include deployment of expert technician to attend the services of CCTV system to ensure proper maintenance on SOS basis round the clock and up keep of maintenance record to the best satisfaction of Engineer-in-Charge.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |            |               |                                                           |               |
| <b>4.03</b> | <b>MATERIAL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |            |               |                                                           |               |
| <b>4.04</b> | This part will include the provision of monthly inspection of the above system.patch chord,cleaning of cameras,replacement of CAT-6 as as required other major replacement would be done on chargeable basis and the register of replaced material will be maintained by the firm along with the signature of client department staff on time to time basis.                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>1</b> | <b>Job</b> | <b>47548</b>  | Rupees FourtySeven Thousand Five Hundred FourtyEight Only | <b>47548</b>  |

| Terms and Condition:- |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                     | This Contract shall cover the annual i.e 12 months maintenance as per the scope of the work contained in the main abstract.                                                                                                                                                                                                                                                                                                                        |
| 2                     | Components service engineer/technician/expert/operator will be required to attend break down calls as and when intimated within the least possible time but not more than 24 hours in any case, there is no limit of break down calls. The soul responsibility shall be of the firm to keep the whole system in running condition round the clock.                                                                                                 |
| 3                     | The contractor will ensure the all the components in abstract is attended/maintained round the clock by his competent staff to ensure timely action in case of any hazard. Any accident or damage during maintenance /operation will be the responsibility of contractor and the employer will not entertain any claim compensation and panality etc. on this account or on account of non observation of any other relevant standard to his work. |
| 4                     | The work shall be carried out as per direction and up to the satisfaction of Engineer-in-Charge.                                                                                                                                                                                                                                                                                                                                                   |
| 5                     | The contractor shall have to submit the detail of person employed to the department with the address/ID proof.                                                                                                                                                                                                                                                                                                                                     |
| 6                     | The contractor shall have to ensure the entry of only authorized person into the building/control rooms. He shall ensure the safety of all the system equipments and material in the control rooms.                                                                                                                                                                                                                                                |
| 7                     | The Contractor shall handover the system/ equipments to the department after completion of A.M.C period in good and working condition as was handed over to him on starting of A.M.C.                                                                                                                                                                                                                                                              |
| Total:-               |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                       | 498257                                                                                                                                                                                                                                                                                                                                                                                                                                             |

*Draft Schedule of quantity approved for Rs. 4,98,257/- only  
(Rupees Four Lacs, Ninety Eight Thousand Two Hundred Fifty Seven only)*

*[Signature]*  
Executive Engineer  
Electrical Division No. - 1  
H.P.P.W.D., Shimla - 171909