



Office of the
Executive Engineer
Electrical Division, HP PWD Una
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No.PW/EDU/CB//TA/Tender/2024-25/-

1533-1558

29-7-22
Dated

To

✓
The Executive Engineer (IT) Cell,
Nirman Bhawan, Nigam Vihar
Shimla-171002

Subject: -

Regarding publication of Tenders Notice.

Sir,

"JAI HIND"

Enclosed please find herewith Tenders Notice along with Schedule of Quantities for uploading the same on Departmental website as per Notification no. PBW-(B)1/2020 dated 16.07.2021 as the work mentioned in the Tender Notice are urgent in nature and in Public interest. This is for your kind information and necessary action at your end please.

DA:-As above.


Executive Engineer,
Electrical Division,
HPPWD, Una.

Copy along with its enclosures is forwarded to the following for favour of information please:-

1. The Superintending Engineer, 2nd Electrical Circle, HPPWD, Dharamshala.
2. The Assistant Engineer, Electrical Sub Division, HP PWD Una/Hamirpur & Bilaspur.
3. All the contractors working under the control of this Division.
4. All the Head of Branches in this office.
5. Notice Board.

✓
Executive Engineer,
Electrical Division
HPPWD, Una



**Office of the
Executive Engineer
Electrical Division, HPPWD, Una
Tel/Fax: +911975223484
E-mail: ee-eleu-hp@nic.in**

NOTICE INVITING TENDER

Sealed percentage rate tenders are hereby invited by the Executive Engineer, Electrical Division HPPWD Una, in form No.6 & 8 on behalf of Governor of H.P. for the following works from the contractors of appropriate class enlisted with HPPWD (Electrical) and Authorized firms. The tenders shall be opened on dated **12-08-2024** in the presence of contractors/firms or their authorized representative who wish to be present.

The copy of **Valid enlistment**, renewal certificate and authorization letter along with GST No., Pan No., and EPF No. shall be attached with application form. The offer of the tender shall remain open **75 days** from the date of opening of the tenders. The undersigned reserves the right to reject/cancel the tenders without assigning any reason. The tender form will be issued to only those contractors who qualify the criteria after the scrutiny of application forms by the committee constituted for the purpose.

TIME SCHEDULE OF TENDER

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|----|-------------------------------------|----|-----------------------------|
| 1. | Last date of receipt of application | :- | 09-08-2024 up to 1.00 P.M. |
| 2. | Date of sale of tenders | :- | 09-08-2024 up to 5.00 P.M. |
| 3. | Last date of receipt of bids | :- | 12-08-2024 up to 11.30 A.M. |
| 4. | Date of bid opening | :- | 12-08-2024 up to 1.00 P.M. |

Sr. No.	Name of work	Estimated Cost (In Rs.)	Earnest Money (In Rs.)	Time limit	Cost of form (In Rs.)	Eligible Class of Contractor
1	Annual Comprehensive Maintenance contract (AMC) of 1Nos. Passenger lift (Johnson make) in the ADR center Hamirpur Distt. Hamirpur HP.(For the period one year from date of award).	1,08,088/-	2,200/-	One Year.	350/-	Specialized Job
2	Providing Light Points, Heating points, Computer wiring in Newly opened Executive Engineer (B&R) office at Sub Division Building Nadaun (HP)	1,58,076/-	3,200/-	Six Months.	350/-	Class-D,C
3	C/O Mini Secretariat building at Nadaun Distt. Hamirpur, H.P. (SH:- Providing and fixing MCB DB, MCB, MCB DP, SUBMAINS for Horticulture Deptt. Food Inspector & Inspector Co society at Nadaun (HP)	33,609/-	700/-	Six Months.	350/-	Class-D,C

4	A/R & M/O of various type different capacity Air Conditioner installed in various N/R buildings under ESD Hamirpur section w.e.f. one year from awarded date)	3,20,495/-	6,400/-	One Year.	350/-	Specializ Job
5	Providing shifting of 62.5 KVA DG Sets from Distt. Ayurvadic Hospital to Administrative Block Dr. RKGMC Hamirpur Distt. Hamirpur (H.P)	1,71,010/-	3,900/-	Six Months.	350/-	Specializ Job
6	Replacement of damaged MCCB, MCB, RCCB in New Building (A Block) & C Block CHC Sujampur Tihra .	1,28,224/-	2,600/-	Six Months.	350/-	Class-D,C
7	Providing E. I in Sample collection center near Ortho OPD at Dr. RKGMC Hamirpur Distt. Hamirpur (H.P) (SH:- Prov. EI there in)	1,05,499/-	2,100/-	Six Months.	350/-	Class-D,C
8	A/R & M/O of various type different capacity Air Conditioner installed in various N/R buildings under ESD Barsar section w.e.f. one year from awarded date)	1,14,550/-	2,300/-	One Year.	350/-	Specializ Job
9	C/o Helipad at Bumbloo Tehsil Barsar Distt. Hamirpur (HP) (SH:- Providing E.I. therein).	2,45,423/-	4,900/-	One Year.	350/-	Class-D,C
10	C/O Restoration improvement and Beautification of Natural Basin, Café, Toilet Block at Sammu Tal Tehsil Bhoranj Distt. Hamirpur (HP) (SH:- Providing E.I. there in).	3,14,890/-	6,300/-	One Year.	350/-	Class-C,E
11	Providing E.I. and accessories in the Anexy building in First Floor at PHC Bhota Distt. Hamirpur (H.P.)	4,12,740/-	8,300/-	Six Months.	350/-	Class-C,B
12	C/o Govt. Sr. Sec. School building Dhangota Tehsil Bijhar Distt. Hamirpur (H.P) (SH:- Providing E.I. 2 Nos. Class room therein).	1,01,724/-	2,100/-	One Year.	350/-	Class-D,C
13	Replacement of damaged E.I. in Health sub- Centre building sachuhi Distt. Hamirpur (H.P).	17,516/-	400/-	Six Months.	350/-	Class-D,C

14	C/O Veterinary Dispensary building at Chamiana Tehsil Sujanpur, Distt Hamirpur H.P. (SH:-Providing E.I there in)	1,20,755/-	2,500/-	One Year.	350/-	Class-D,C
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GENERAL 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, HPPWD., Electrical Division Una accompanied with the application for receipt of tender form along with cost of form.
2. The Contractor/Firm should be submitted the all above-mentioned documents (photocopy to be self-attested) with the application for obtaining the tender documents.
3. In case office happens to be closed on any of the above mentioned dates, the bids will be opened on the next working day at same time and venue.
4. The contractors/firms are required to quote their rates clearly both in words as well as in figures, failing which tenders are likely to be rejected.
5. No Person/persons shall be allowed to give the documents with regard to tender unless he/they hold/holds the power of attorney duly registered under law.
6. The tender of those contractors who are registered under H.P. Central Sales Tax Act 1969, GST and who have been cleared all the dues on account of tax will be entertained.
7. The competent authority on behalf of Governor of H.P. reserves the right to reject any or all the tenders received without assigning any reason.
8. The eligible Contractors/Firm should performance certificate for specialized jobs as required.
9. The tendered amount should be within the limit of (+) 5% to (-) 30% as per notification No. PBW(B)A(3)1/2020-1 dated 07.10.2021 shall be applicable for Bid price lower than-10% and more than + 5%. If the Contractors/Firms has quoted bid price lower than 10% the performance guarantee will be deposited before the award of work as per terms & condition of above said notification.

“HIM SUCHANA AVAM JANSAMPARK”


Executive Engineer,
Electrical Division
HPPWD, Una

DRAFT SCHEDULE OF QUANTITY						
Job No. 1						
		Estimated cost:- Rs. 1,08,088/-				
		Earnerst money:- Rs. 2,200/-				
		Time Limit :- One year.				
Name of Work:- Annual Comprehensive Maintenance contract (AMC) of 1Nos. Passenger lift (Johnson make) in theADR centre Hamirpur Distt. Hamirpur HP.(For the period one year from date of award).						
S. No.	Description	Quantity	Unit	Rate In Fig.	In Words.	Amount
1.00	Regular examination, lubrication and Adjustment of the equipment and planned maintenance in the systematic manner and replacement of parts as detailed below:-					
1.01	Renew all wires ropes and chain to maintain an adequate factor of safety, to equalie tension on all hoisting ropes, repair or replace conductor cables and hoist way and machine room elevator wiring,					
1.02	Syustematic examining and adjustment of following machine, worn gear, Thrust bearings Drives sheaves, Drive shelves bearings, brake contract, linings and components, Motor generator, motor, Motor generator, Motor windings, rotating elements, commutator, brushes brush holdder, bearings, coils, resistance for operating and Motor circuit, magnet frames and other mechanical parts, controller, selector leveling, devices cams, relays, solid state comonents e.g PCB's transducers, resistance, condensers, power amplifier, transformers, contract, leads, dashpots timing devices, Steel selector tapes and mechanical and electrical driving equipment Governor, governor sheave, shaft assembly bearings and Governors jaws, cr and hall mechanical button, car and hall position indicators hall lanterns, car direction indicators and all other car and landings as installed by Johnson. Deflector or secondary sheave, bearing, car counter weight and counterweight guide rails and buffers, top and button limit switches, Governor tension sheaves asseembly, compensating sheaves assembly car, counter weight and counter overweight guide shows including rollers or gibs, interlock on Hoist way.					

1.03	Examine periodically all safety devices and governor and all customary safety test.						
1.04	The firm will provide emergency minor adjustment all back services 24 hours as all working days as well as holidays/ Sunday. The firm will maintain the lift in reliable and efficient operating connections.						
1.05	(Machine No. L-M1470	1.00	Job	108088	Rupees One Lac. Eight thousand eighty eight only.	108088	
	TOTAL:					108088	

Executive Engineer,
Electrical Division,
HPPWD Una.

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DRAFT SCHEDULE OF QUANTITY						
Job No. 2						
			Estimated cost:- Rs. 1,58,076/-			
			Earnest money:- Rs. 3,200/-			
			Time Limit:- Six months.			
Name of Work:- Providing Light Points, Heating points, Computer wiring in Newly opened Executive Engineer (B&R) office at Sub Division Building Nadaun HP						
Sr. No.	Description of Items	Quantity	Unit	Rate In Fig.	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 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	6	Each	1109	Rupees One thousand one hundred nine only.	6654
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 Heavy class PVC Conduit having FRLS and wall thickness minimum 2.0 mm as required.Make:- KEI,Finolex,polycab or its equivalent as approved by Engineer-in-Charge.					
2.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	40	Meter	217	Rupees Two hundred seventeen only.	8680
2.02	2 X 4 sq. mm + 1 X 6 sq. mm earth wire	80	Meter	353	Rupees Three hundred fifty three only.	28240
2.03	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	5	Meter	666	Rupees Six hundred sixty six only.	3330
2.04	4 X 10 sq. mm + 1 X 6 sq. mm earth wire	5	Meter	1235	Rupees One thousand two hundred thirty five only.	6175

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.Make:-Polycab,KEI,Finolex or its equivalent as approved by Engineer-In-Charge.						0
3.01	3 x 1.5 sq. mm	10	Meter	108		Rupees One hundred eight only.	1080
3.02	3 x 4 sq. mm	20	Meter	249		Rupees Two hundred forty nine only.	4980
4	Supplying and fixing of following sizes of Heavy class FRLS PVC Conduit having wall thickness minimum 2.0 mm along with accessories in surface/recess including cutting the wall and making good as required. Diplast/ BEC/Polyfit.or as approved by Engineer-in-Charge						
4.01	25 mm	40	Mtr	115		Rupees One hundred fifteen only.	4600
5	Supplying and fixing Computer board comprising metal box 200 mmx150 mmx75 mm for 3 nos 5 amp piano type switches and 3 Nos 5 amp sockets, 1 No RJ 45 socket, comprising 3 mm thick phenolic laminated sheet cover for metal box, G.I. metal box 2 module with sheet cover including connections etc as required.	5	Each	1014		Rupees One thousand fourteen only.	5070
6	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/recessed steel/ PVC conduit including connections,as required.	70	Meter	52		Rupees fifty two only.	3640
7	Supplying and fixing D-link DGS-1008A 8-port 10/100/1000 Base - T Unmanaged standalone gigabit switch in desk top (green ethernet) for getting blazing speed of giga bite that delivers power performance and reliability i.e increasing the speed of net work server in large in switching protocol storing and forwarding as required .Make:- D-Link) Digilink, Cisco/ or as approved by Engineer-in-Charge.	1	Each	2790		Rupees Two thousand seven hundred ninety only.	2790

8	Supplying and fixing Loaded Wall- Wall Mount 2u Dimensions 44 X57 X20 CM Front Glass Door(tinted,toughened) with LOCK &KEY, 2PAIRS OF 19" Mounting Rail with U-Marking welded Side walls !U Cable Manager (1) Hardware Packet (1Pkt)3 socket 5amp .power distribution Unit(INO) .Make:- D-Link(CAT NO NMR-2U-5540-GR-DVR). Cisco, Digi link or as approved by Engineer-in-Charge.	1	Each	1540	Rupees One thousand five hundred forty only.	1540
9	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.					0
9.01	5/6 amps switch	10	Each	49	Rupees forty nine only.	490
9.02	15/16 A switch	10	Each	132	Rupees One hundred thirty two only.	1320
9.03	3 pin 5/6 A socket outlet	10	Each	63	Rupees Sixty three only.	630
9.04	6 pin 15/16 A socket outlet	10	Each	143	Rupees One hundred forty three only.	1430
9.05	Bell push	4	Each	72	Rupees seventy two only.	288
10	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.	2	Each	283	Rupees Two hundred eighty three only.	566
11	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.	2	Each	259	Rupees Two hundred fifty nine only.	518

12	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	326	Rupees three hundred twenty six only.	978
13	Supplying & fixing suitable size GI box with modular plate and cover in front on surface or in recess i/c providing and fixing 25 amp modular socket outlet and 25 Amps modular SP MCB, "C" curve including connection, painting etc. as required. Make :-Anchor (Roma classic),L&T(Entice),Legrand(Myrius) or its equivalent as approved by Engineer-in-Charge.	4	Each	815	Rupees Eight hundred fifteen only.	3260
14	Supplying and fixing Ding Dong bell suitable for single phase, 230 volts, complete as required. Make :-Anchor (Roma classic),L&T (Entice), Legrand(Myrius) or as approved by EngineerIn-Charge.	2	Each	300	Rupees three hundred only.	600
15	Supplying and fixing call bell bazzar suitable for single phase, 230 volts, complete as required. Make :-Anchor (Roma classic),L&T (Entice),Legrand(Myrius) or as approved by Engineer-In-Charge.	3	Each	78	Rupees Seventy eight only.	234
16	Providing and installation exhaust fan of 300mm metal body size 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: Make:- Bajaj(model Maximadxi 300 mm white dom Ex fan),Crompton, Usha or its equivalent as approved by Engineer-in-charge	1	Each	2598	Rupees Two thousand five hundred ninety eight only.	2598
17	Supplying and fixing exhaust fan louver shutter for 300 mm.exhaust fan on the existing wall,painting etc, as required,	1	Each	650	Rupees Six hundred fifty only.	650

18	Providing, Installation, testing and commissioning of ceiling fan, with fan regulator socket type 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 fan box, phenolic laminated sheet cover on the fan box and earthing etc. as required: Make:- Usha/TECHNIX PLUS/Bajaj, Crompton or its equivalent as approved by Er. In Charge						0
18.01	Ceiling Fan 1200 mm sweep	1	Each	4029		Rupees Four thousand twenty nine only.	4029
19	Providing and fixing of following type surface mounted Luminaire LED batten, having high Quality design aluminium extruded decorative end caps and it should be compatible with specification i.e., 6500k, and it should be compatible with specification e.i. Power Factor > .9, Harmonic Distortion < 10% and efficacy > 100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make Panasonic, Wipro Philips or its equivalent as approved by Engineer-in-Charge (Five year warranty)						0
19.01	36 watt	4	Each	1816		Rupees One thousand eight hundred sixteen only.	7264
20	Supplying and fixing batten/ angle holder including connection etc. as required. Make :- Anchor (Roma classic), L&T (Entice), Legrand (Myrius) or its equivalent as approved by Engineer-in-Charge	2	Each	81		Rupees Eighty one only.	162

21	Supplying and fixing LED Lamp 9 watts 6500 K E-27 ,900 Lumens 240 volts AC.supply 50 HZ in the existing batten holder,pendent holder,wall bracket & bulk head fitting etc, as required:Make TISVA (Cat no AL916611X) ,wipro,Philips or equivalent Make :-Tisva ,Panasonic Philips or its equivalent as approved by Engineer-In-Charge(Five year warranty)	4	Each	169	Rupees One hundred sixty nine only.	676
22	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	2	P/set	6855	Rupees Six thousand eight hundred fifty five only.	13710
23	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	40	P/mtr	70	Rupees Seventy only.	2800
24	Supplying and fixing of Segregated tripple pole and neutral 8 ways surface/ recess mounting, 7 Segment 415volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, with provision to mount FP-MCB incomer, DP MCB/RCCB sub-incomer in each phase and SP MCBs as outgoing (but without MCB 's and incomer), complete with tinned copper din-bar, wire-set, neutral link, earth bar, detachable gland plate, cable interconnections, including earthing etc. as required:- Make L&T, Schneider,ABB or its equivalent as per best satisfaction of Engineer-in -charge.					0
24.01	MCBDB 8 WAY DOUBLE DOOR	1	Each	15815	Rupees Fifteen thousand eight hundred fifteen only.	15815
25	Supplying and fixing 63 amps rating, 240/415 volts, 10 kA, "C" curve,miniature circuit breaker suitable for inductive load of four poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.Make L&T, Schneider,ABB or its equivalent as per best satisfaction of Engineer-in -charge.	1	Each	2366	Rupees Two thousand three hundred sixty six only.	2366

26	Supplying and fixing 5 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.) Make L&T, Schneider, ABB or its equivalent as per best satisfaction of Engineer-in-charge.						0
26.01	Single pole	18	Each	278	Rupees Two hundred seventy eight only.	5004	
27	Supplying and erection of 40/50/63 amps rating, 10 kA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of pole Double pole in the existing MCB DB complete with connections etc. as required:- Make L&T, Schneider, ABB or its equivalent as per best satisfaction of Engineer-in-charge.	3	Each	1204	Rupees One thousand two hundred four only.	3612	
28	Supplying and fixing 40 amp rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current 100 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.- Make L&T, Schneider, ABB or its equivalent as approved by Engineer-in-charge.	3	Each	4099	Rupees Four thousand ninety nine only.	12297	
	Total					158076	

Executive Engineer,
Electrical Division,
HPPWD Una.

Signature

DRAFT SCHEDULE OF QUANTITY						
Job No. 3						
Estimated cost:- Rs. 33,609/-						
Earnest money:- Rs. 700/-						
Time Limit:- Six months.						
Name of Work:- C/O Mini Secretariat building at Nadaun Distt. Hamirpur, H.P. (SH:- Providing and fixing MCB DB ,MCB , MCBDB, SUBMAINS for Horticulture Deptt, Food Inspector & Inspector Co-society at Nadaun HP)						
Sr. No.	Description of Items	Quantity	Unit	Rate In Fig.	In words.	Amount
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 heavy class PVC conduit having wall thickness 2.0mm as required .Make:-KEI,Finolex, polycab or its equivalent as approved by Engineer-In-Charge.					
1.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	15	Meter	213	Rupees Two hundred thirteen only.	3195
1.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	20	Meter	349	Rupees three hundred forty nine only.	6980
1.03	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	10	Meter	663	Rupees six hundred sixty three only.	6630
2	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 busbar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) Make L&T, Schneider, ABB or its equivalent as per best satisfaction of Engineer-in - charge.					
2.01	MCBDB 8 WAY double door	2	Each	2049	Rupees Two thousand forty nine only.	4098
3	Supplying and fixing 5 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.) Make L&T, Schneider, ABB or its equivalent as per best satisfaction of Engineer-in -charge.					

3.01	Single pole	8	Each	266	Rupees Two hundred sixty six only.	2128
4	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of pole Double pole in the existing MCB DB complete with connections etc. as required:-Make L&T, Schneider,ABB or its equivalent as per best satisfaction of Engineer-in -charge.	2	Each	1201	Rupees One thousand two hundred one only.	2402
5	Supplying and fixing of following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current 100 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. - Make L&T, Schneider,ABB or its equivalent as per best satisfaction of Engineer-in -charge.					
5.01	40 AMP	1	Each	2988	Rupees Two thousand nine hundred eighty eight only.	2988
5.02	63 AMP	1	Each	3688	Rupees three thousand six hundred eighty eight only.	3688
6	Supplying and Laying of aluminium service wire 2 core 10 Sqmm complete in all respect as required.	50	Mtr	30	Rupees thirty only.	1500
	Total					33609

Executive Engineer,
Electrical Division,
HPPWD Una.

Signature

DRAFT SCHEDULE OF QUANTITY					Job No. 4		
							Estimated cost:- Rs. 3,20,495/-
							Earnest money:- Rs. 6,400/-
							Time Limit:- One year.
Name of work :- A/R & M/O of various type different capacity Ait conditioning installed in various N/R buildings under ESD Hamirpur Section (w.e.f. One year from awarded date).							
S. No.	Description of Items	Quantity	Rate In Fig.	In words.	Unit	Amount	
1	Annual Repair and maintenance (Routine and preventive)of various make type and different capacity split A.C with 4 No Mandatory quartely service and all emergengcy break down service as when required from time to time as per the best satisfaction of engineer in charge.						
1.01	The AMC include the following.						
1.02	Compressor thermostate relay old fan motors timers heaters air damper ice maker temprature sensor evaporator condenser refrigerant charging driers capallary blowers fan blade control box magnetron ,Electrical switch transformer diode capacitor wire hairness wash and spin motor gear box clotch assembly droum inner belws bear & lip seal (drain motor pump) electrical bulb buzzer suspension key members remote PCB including cost of their replacement.						
1.03	All defective component shall be replaced with compatible working parts and defective par shall be company /firm /contracor property.						

1.04	(i) Split type AC 1.5 ton capacity	62	4791	Rupees Four thousand seven hundred ninety one only.	Each	297042
1.05	(ii) Window type AC	1	3773	Rupees three thousand seven hundred seventy three only.	Each	3773
2	Supplying and fixing of voltage stabilizer having specification Input voltage range 170-270V ,Digital display, Under voltage Protection, Over voltage protection including connections, testing and commissioning as required: Make:- , V Gaurd Microtek , voltas or as approved by Engineer-in-charge(Three year warranty)	5	3936	Rupees three thousand nine hundred thirty six only.	Each	19680
	TOTAL					320495

Executive Engineer,
Electrical Division,
HPPWD Una.

Tak Singh

DRAFT SCHEDULE OF QUANTITY**Job No. 5**

Estimated cost:-Rs. 1,71,010/-

Earnest money:- Rs. 3,400/-

Time Limit:- Six months.

Name of Work:- Providing shifting of 62.5 KVA D.G. Set from Distt. Ayurvadic Hospital to Administrative Block Dr. RKGMC Hamirpur
Distt. Hamirpur (H.P)

Sr. No.	Description	Quantity	Rate In fig.	In Words.	Unit	Amount
1.00	Providing Dismanteling and reinstallation of 62.5 KVA Dg set from Distt. Ayurvadic hospital to principal office of Dr. RKGMC Hamirpur	1	17641	Rupees Seventeen thousand six hundred forty one only.	Each	17641
2	Making foundation for 62.5 kva dg set size(12" x5 " x1.5 ") with cement concrete ratio 1:2:4	2.5	5954	Rupes Five thousand nine hundred fifty four only.	Cu. Mtr.	14885
3	Providing, laying and fixing of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade on surface etc. of the required size:-					0
3.01	Armoured cable 50 sq. mm (3.5 core)	30	777	Rupees Seven hundred seventy seven only.	Per Mtr	23310
4	Supplying and drawing 14 core 2.5 sq mm cable with PVC Sheathed in existing surface /recessed steel/PVC Conduit as required.Make :Polycab,Finolex, KEI or its equivalent as approved by Engineer-In-Charge	30	744	Rupees Seven hundred forty four only.	Per Mtr	22320

5	Supplying and fixing true power make advanced earthing system having copper pipe 3 meter long 50 mm dia with terminal size 50x6 mm ,internal strip size 25x3 with 50 Kg compound including exavation of pit and refilling the same and making earthing pit cover 12 inch dia as required complete in all respect. make :- True power ,Earth plus,Ashloka or its equivalent as per best satisfaction of Engineer-in -charge.	4	14002	Rupees Fourteen thousand two only.	Per Set	56008
6	5.14 Supplying and laying 25mm x5 mm copper strip at .50 meter below ground as strip earth electrode including connection terminating with nut bolt,spring washer etc as required (Jointing shall be done by overlapping and with two set of brass nut bolt and spring washer spaced at 50 mm)	15	1778	Rupees One thousand seven hundred seventy eight only.	Mtr	26670
7	Supplying and making `end termination with brass compression gland and aluminium lugs for foiiowing size of pvc insulated and PVC sheathed /XLPE aluminium conductor cable of 1.1 KV grade as required size3.5 corex50sqmm	4	569	Rupees Five hundred sixty nine only.	Each	2276
8	Supplying and laying of DWC ,HDPE Pipe 40 mm dia in below ground level for supplying and drawing of armoured cable complete in all respects as required:-	50	158	Rupees One hundred fifty eight only.	Per Mtr	7900
	Total					171010


 Executive Engineer,
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 HPPWD Una.


DRAFT SCHEDULE OF QUANTITY				Job No. 6		
					Estimated cost:- Rs. 1,28,224/-	
					Earnest money:- Rs. 2,600/-	
					Time Limit:- Six months.	
Name of work :-Replacement of damaged MCCB, MCB, RCCB in New Building (A Block) & C Block CHC Sujanpur Tihra .						
S. No.	Description of Items	Quantity	UNIT	RATE In Fig.	In Words.	Amount
1	Supplying and fixing 4 pole MCCB 63 Amp Ics = 100% icu, 18KA & @ 415 volts, 50 Hz with thermal magnet in release complete with connection ,testing and commissioning etc as required (FIVE YEAR WARRANTY). Make:- L&T Cat. No. CM90518OOJO, Legrand, Hager, ABB or its equivalent as approved by Engineer-in -charge.					
1.01	63 A 18 KA.	4	Each	5380	Rupees Five thousand three hundred eighty only.	21520
2	Supplying and fixing 4 pole MCCB Enclosure with all accessories including connections,125/DN0 . as required .Make:- L&T, Legrand, Hager, ABB or its equivalent as approved by Engineer-in -charge.	4	Each	1988	Rupees One thousand nine hundred eighty eight only.	7952
3	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(five year warranty):-Make :-L&T,Legrand,Haggar , ABB or its equivalent as approved by Engineer-in -charge.	7.00	Each	1201	Rupees One thousand two hundred one only.	8407
4	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(five year warranty).make:-L&T,Legrand,Haggar , ABB or its equivalent as approved by Engineer-in -charge.					0

4.01	40 amp, double pole, (single phase and neutral)	1.00	Each	2933	Rupees Two thousand nine hundred thirty three only.	2933
4.02	63 amp, double pole, (single phase and neutral)	6.00	Each	3646	Rupees Three thousand six hundred forty six only.	21876
5	Supplying and fixing 5 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 (five year warranty). Make: L&T Cat. No. (CM930070000AG), Legrand, Hager, ABB or its equivalent as approved by Engineer-in-charge.					0
5.1	Single pole	52.00	Each	266	Rupees Two hundred sixty six only.	13832
6	Supplying and fixing 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 (five year warranty). Make: L&T Cat. No. (CM930070000AG), Legrand, Hager, or its equivalent as approved by Engineer-in-charge. make: L&T, Legrand, Hager, ABB or its equivalent as approved by Engineer-in-charge.					0
6.01	8 way, Double door	1.00	Each	2049	Rupees Two thousand forty nine only.	2049
6.02	12 way, Double door	4.00	Each	2434	Rupees Two thousand four hundred thirty four only.	9736
6.03	16 way, Double door	2.00	Each	3027	Rupees Three thousand twenty seven only.	6054
7	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.	3.00	Each	645	Rupees Six hundred forty five only.	1935

8	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed heavy class PVC conduit having wall thickness 2.0mm as required .Make:- Finolex, KEI, Anchor, Plaza as approved by Engineer -in -charge .						0
8.01	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	30.00	Meter	364	Rupees three hundred sixty four only.		10920
9	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVCconduit as required. Make:- Finolex, KEI, Anchor, Plaza as approved by Engineer -in -charge .						0
9.01	3X10 Sq.mm.	10.00	Meter	657	Rupees Six hundred fifty seven only.		6570
9.02	6X10 Sq.mm.	10.00	Meter	1276	Rupees One thousand two hundred seventy six only.		12760
10	Supplying and fixing of following sizes of PVC conduit Heavy duty minimum thickness 2.0 mm along with accessories insurface/recess including painting in case of surface conduit, or cutting the walland making good the same in case of recessed conduit as required.Make:- Diplast, AKG, BEC, POLY India or its equivalent as approved by Er-In-Charge.						0
10.01	25 mm	15.00	Meter	112	Rupees One hundred twelve only.		1680
	Total						128224


 Executive Engineer,
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DRAFT SCHEDULE OF QUANTITY					Job No. 7		
							Estimated cost:- Rs. 1,05,499/-
							Earnest money:- Rs. 2,100/-
							Time Limit:- Six months.
Name of work -Providing E.I in Sample collection centre near Ortho OPD at Dr.RK GMC Hamirpur Distt. Hamirpur (H.P)(SH. Prov. E.I there in)							
Sr. No.	Description of Items	Quantity	Rate In Fig.	In Words.	Unit	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 heavy class PVC conduit having wall thickness minimum 2 mm, 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.Make:-Anchor (Roma classic), L&T(Entice), Legrand (Myrius) or its equivalent as approved by Engineer-In-Charge						
1.01	Group c	12	1246	Rupees One thousand two hundred forty six only.	Each	14952	
2	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.Make :-Anchor (Roma classic),L&T (Entice), Legrand(Myrius) or its equivalent as approved by Engineer-In-Charge					0	
2.01	5/6 amp Modular switch	1	87	Rupees Eighty seven only.	Each	87	
2.02	5 pin 5/6 amp socket outlet	1	146	Rupees One hundred forty six only	Each	146	

3	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..Make :-Anchor (Roma classic),L&T(Entice),Legrand(Myrius) or its equivalent as approved by Engineer-In-Charge	3	645	Rupees Six hundred forty five only.	Each	1935
4	Supplying and fixing Computer board comprising 3 nos 5 amp modular switches & Sockets and G.I Box 12 module for 5 amp switches and 5 amp sockets comprising frame and cover plate for each 2 module and 12 module metal box including connections etc as required.	3	1047	Rupees One thousand forty seven only.	Each	3141
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 heavy class PVC conduit having wall thickness 2.0mm as required .Make:- Finolex, KEI, Anchor, Plaza as approved by Engineer -in -charge .					0
5.01	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	20	285	Rupees Two hundred eighty five only.	Mtr	5700
5.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	30	322	Rupees three hundred twenty two only.	Mtr	9660
5.03	2 X 10sq. mm + 1 X 6 sq. mm earth wire	35	440	Rupees Four hundred forty only.	Mtr	15400
5.04	4x4 sq mm+2x4 sqmm earth wire	20	623	Rupees six hundred twenty three only.	Mtr	12460
6	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).Make:- L&T ,legrand,Haggar , Schneider or its equivalent as approved by Engineer-in -charge.					0
6.01	12 way, Double door	1	2004	Rupees Two thousand four only.	Each	2004

7	Supplying and fixing 5 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. Make:-L&T, legrand, Hager, Schneider or its equivalent as approved by Engineer-in-charge.						0
7.01	Single pole	8	266	Rupees Two hundred sixty six only.	Each	2128	
8	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:-Make:-L&T Cat. No. (CM93007000AG), legrand, Hager, Schneider or its equivalent as approved by Engineer-in-charge.	1	1198	Rupees One thousand one hundred ninety eight only.	Each	1198	
9	2.10 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. Make:-L&T, legrand, Hager, Schneider or its equivalent as approved by Engineer-in-charge.	1	2966	Rupees Two thousand nine hundred sixty six only.	Each	2966	
10	Supplying and fixing Aluminium batten LED 36 watt, 6000k, with clear glass cover with die cast aluminium housing (Five YEAR WARRANTY) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion <10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:-Philips, Wipro, Jaquar or its equivalent as approved by Engineer-in-Charge	6	1440	Rupees One thousand four hundred forty only.	Each	8640	

11	Providing, Installation, testing and commissioning of ceiling fan with socket type regulator; including wiring the down rods of standard length (up to 45 cm) with 16/0.20 mmtwin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required. Make:- Usha (TECHNIX PLUS 3 star), Bajaj, Crompton or its equivalent as approved by Engineer-in-charge(warranty five year)	6	3347	Rupees three thousand three hundred forty seven only.	Each	20082
12	Supplying and fixing extra down rod of length G.I. pipe; 15 mm dia; heavy gauge including painting etc.as required. (Note: More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored):-	20	100	Rupees One hundred only.	Ft	2000
13	Supplying & fixing of fan hook for 1200mm/1400mm D hooks	6	500	Rupees Five hundred only.	Each	3000
	Total					105499


 Executive Engineer,
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DRAFT SCHEDULE OF QUANTITY					Job No. 8	
					Estimated cost:- Rs.1,14,550/-	
					Earnest money:- Rs. 2,300/-	
					Time Limit:- One year.	
Name of work :- A/R & M/O of various type different capacity Air Conitioning installed in various N/R building under ESD Hamirpur (Barsar section) for 2024-2025 (W.E.F. One year from Awarded date)						
S. No.	Description of Items	Quantity	Rate In Fig.	In Words.	Unit	Amount
1	Annual Repair and maintenance (Routine and preventive)of various make type and different capacity split A.C with 4 No Mandatory quartely service and all emergengcy break down service as when required from time to time as per the best satisfaction of engineer in charge.					
1.01	The AMC include the following.					
1.02	Compressor, Thermostate, Over Load Relays, fan motors ,timers, heaters, air damper, ice maker temprature sensor, evaporator ,condenser, refrigerant charging ,driers capallary blowers, fan blade, control box, magnetron ,Electrical switch, transformer, diode ,capacitor, wire harness, wash and spin motor gear box clotch assembly droum inner belws bear & lip seal (drain motor pump) electrical bulb buzzer supension key members remote PCB including cost of their replacement.					
1.03	All defective component shall be replaced with compatible working parts and defective par shall be company /firm /contractor property.					
2	Split type (H&C) A.C. 1.5/2.0 Ton capacity	25	4582	Rupees Four thousand five hundred eighty two only.	Each	114550
	TOTAL					114550


 Executive Engineer,
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 HP.PWD., Una.

DRAFT SCHEDULE OF QUANTITY					Job No. 9		
					Estimated cost:- Rs. 2,45,423/-		
					Earnest money:- Rs. 4,900/-		
					Time Limit:- One year.		
NAME OF WORK:- C/O Helipad at Bumbloo Tehsil Barsar Distt. Hamirpur (HP) (SH:- Providing E.I. there in).							
Sr. No.	Description of Items	Quantity	Rate In Fig.	In Words.	Unit	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 Heavy class PVC Conduit having wall thickness minimum 2.0 mm , 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. Make:- Anchor (Roma classic), L&T(Entice), Legrand (Myrius) or its equivalent as approved by Engineer-In-Charge.	16	1214	Rupees One thousand two hundred fourteen only.	Each	19424	
1.01	Group - C						
2	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed Heavy class PVC Conduit having wall thickness minimum 2.0 mm , 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. Make:- Anchor (Roma classic), L&T(Entice), Legrand (Myrius) or its equivalent as approved by Engineer-In-Charge.	2	1417	Rupees One thousand four hundred seventeen only.	Each	2834	
2.01	Group - C						
3	Supplying and fixing following rating Modular switch /socket on the existing switch box / cover plate including connections but excluding modular plate etc. as required. Make:- Legrand(Myrius), L&T(entice), Anchor (Roma Classic) as approved by Engineer-in -charge .					0	
3.01	S.P. 5/ 6 Amps one way Modular switch.	4	87	Rupees Eighty seven only.	Each	348	
3.02	5 pin, 5/ 6 Amps Modular socket outlet.	4	146	Rupees One hundred forty six only.	Each	584	
3.03	5 pin 15/16 amp socket outlet	1	231	Rupees Two hundred thirty one only.	Each	231	
4	Supplying and fixing suitable size G.I. 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, connections etc. as required. Make:- Legrand(Myrius), L&T(entice) , Anchor (Roma classic) as approved by Engineer-In-Charge.	5	468	Rupees Four hundred sixty eight only.	Each	2340	

5	Supplying and fixing suitable G.I. box with modular plate and cover in front on surface or in recess including providing and fixing 6 pin 5/6 amps & 15/16 amp modular socket outlet and 15/16 amps, modular switch, connections etc. as required. Make:- Legrand(Myrius), L&T(entice), Anchor (Roma classic) as approved by Engineer-in -charge .	4	626	Rupees Six hundred twenty six only.	Each	2504
6	Supplying and fixing Computer board comprising 3 nos 5 amp modular switches & Sockets , G.I box 2 module for jack box and G.I Box 12 module for 5 amp switches and 5 amp sockets comprising sheet cover for each 2 module metal box , one no computer jack (RJ-45)with shutter including connections etc as required. Make:- Anchor (Roma classic),L&T (Entice), Legrand(Myrius) or its equivalent as approved by Engineer-In-Charge	1	1772	Rupees One thousand seven hundred seventy two only.	Each	1772
7	Supplying and fixing following 25 amp motor stater switch including 2 module G.I box & cover plate including connections etc. as required Make:- Legrand(Myrius), L&T(entice), Anchor (Roma Clasic) as approved by Engineer-in -charge .	1	619	Rupees Six hundred nineteen only.	Each	619
8	Supplying and fixing following size/modules,G.I box alongwith modular base & cover for modular switches in recess etc.as required					
8.01	1 or 2 Module (75mmX75mm)	1	245	Rupees Two hundred forty five only.	Each	245
9	Wiring for circuit/submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed Heavy class PVC Conduit having wall thickness minimum 2.0 mm as required. Make:- KEI,Anchor,Polycab,Finolex or its equivalent as approved by Engineer-In-Charge					0
9.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	30	213	Rupees Two hundred thirteen only.	Metre	6390
9.02	2 x 4 Sq. mm.+ 1X4 sq.mm earth wire	45	349	Rupees three hundred forty nine only.	Metre	15705
9.03	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	2	671	Rupees Six hundred seventy one only.	Metre	1342
10	Supplying and drawing following size of FRLS PVC insulated copper conductor single core cable in existing surface / recessed, Steel/medium class PVC conduit as required. Make:- KEI,Anchor,Polycab,Finolex or its equivalent as approved by Engineer-In-Charge					
10.01	3x1.5 Sq. mm.	20	108	Rupees One hundred eight only.	Metre	2160
10.02	3x4.0 Sq. mm.	10	248	Rupees Two hundred forty eight only.	Metre	2480

11	Supplying and fixing of following sizes of Heavy class PVC Conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed Heavy class PVC Conduit having wall thickness minimum 2.0 mm as required. Diplast/BEC/ Polyfit. or its equivalent as approved by Engineer-In-Charge.						
11.01	25 mm. dia	10	112	Rupees One hundred twelve only.	Metre	1120	
12	Supplying and fixing Ding dong bell suitable for single phase, 230 volts, complete as required.	1	297	Rupees Two hundred ninety seven only.	Each	297	
13	Providing, Installation, testing and commissioning of BLDC ceiling fan 1200 mm with socket type regulator, including wiring the down rods of standard length (up to 40 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. Make:- Usha (Technoaire BLDC 5 star rating without remote), Bajaj, Crompton or its equivalent as approved by Engineer-in-charge (Warranty Five year)	3	4447	Rupees Four thousand four hundred forty seven only.	Each	13341	
14	Providing and installation of stationary storage type Electric water heater (Geyser) of 10 Ltrs 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:- Make:- Usha (Model 10 L SWH MISTY WITH KIT), Bajaj, Recold or its equivalent as approved by Engineer-in-charge (with five year warranty).	1	10230	Rupees Ten thousand two hundred thirty only.	Each	10230	
15	Providing and installation exhaust fan of 300mm (Plastic body) size 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: Make:- Usha, Bajaj, Crompton or its equivalent as approved by Engineer-in-charge (with five year warranty).	1	2882	Rupees Two thousand eight hundred eighty two only.	Each	2882	
16	Supply and fixing of backlit non slim surface/recess led downlighter in 12 W +/- 1 W in Round Shape with with minimum system lumen efficacy of 120 lm/W and minimum system lumens 1440 lumen with Pressure Die cast Aluminium heat sink with and HET diffuser and polycarbonate mounting box P.F.>0.95 , THD<10% , CCT 5700K/4000K, CRI 80, UGR<23, IP20 protection. The LED with Useful life of 50000 Hrs at L70.. The Input voltage range shall be 150V to 270V . Fixture have Surge Protection 3kV, Driver. Make- Philips/Wipro/ Jaquar /Panasonic as approved by Engineer-in-Charge (five year warranty).	2	2193	Rupees Two thousand one hundred ninety three only.	Each	4386	

17	Supply and fixing of backlit non slim surface/recess led downlighter in 15 W +/- 1 W in Round Shape with with minimum system lumen efficacy of 120 lm/W and minimum system lumens 1800 lumen with Pressure Die cast Aluminium heat sink with and HET diffuser and polycarbonate mounting box P.F.>0.95 ,THD<10% ,CCT 5700K/4000K, CRI 80, UGR<23,IP20 protection.The LED with Useful life of 50000 Hrs at L70.. The Input voltage range shall be 150V to 270V. Fixture have Surge Protection 3kV, Driver. Make- Philips/Wipro/Jaquar/Panasonic as approved by Engineer-in-Charge (five year warranty).	6	3551	Rupees three thousand five hundred fifty one only.	Each	21306
18	Supplying and fixing of fancy Mirror/Dressing lights of chrome finish with metal & synthetic material, with single holder containing thread type LED lamp holder(s) of all sizes and shapes, complete with all accessories but excluding lamp 4 watt 1 No including making connections, testing etc. as required. Make:- PHILIPS (Model No 581915), wipro, Jaquar as approved by Engineer-in-charge (Five year Warranty).	1	3351	Rupees three thousand five hundred fifty one only.	Each	3351
19	Supplying and fixing of fancy wall bracket colour antique brass ,MS with frosted glass with single holder containing thread type LED lamp holder(s) of all sizes and shapes, complete with all accessories but excluding of led lamp including making connections, testing etc. as required. Make :- Philips (cat no- 582066), wipro, Jaquaras approved by Engineer-in-Charge (Five year Warranty).	1	6012	Rupees Six thousand twelve only.	Each	6012
20	Supplying and fixing Suspension 5 head chandelier frosted glass with antique brass but excluding LED lamp including making connections, testing etc. as required. Make :- Philips (cat no 582065) Jaquar, Wiproas approved by Engineer-in-Charge (Five year Warranty).	1	19662	Rupees Nineteen thousand six hundred sixty two only.	Each	19662
21	Supplying and fixing of bulk head fitting LED 12 watt ,6500k ,(Five YEAR WARRANTY) and it should be compatible with specification e.i. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc.Make -Panasonic (CAT NO PBHM02127/WIPRO/PHILIPS , or its equivalent as approved by Engineer-in-Charge.	2	896	Rupees Eight hundred ninety six only.	Each	1792
22	Providing and fixing of 4 Watt LED Candle type Lamp E-14 holder base with polycarbonate diffuser and aluminium heat sink including connections, etc. as required. Make- Panasonic, Philips, TISVA or its equivalent as approved by Engineer-in-Charge.	7	167	Rupees One hundred sixty seven only.	Each	1169
23	Providing and fixing of 12 Watt LED Lamp E-27 holder base with polycarbonate diffuser and aluminium heat sink including connections, etc. as required. Make- Panasonic, Philips, TISVA or its equivalent as approved by Engineer-in-Charge.	1	258	Rupees Two hundred fifty eight only.	Each	258

24	Supplying and erection of 5 amps. to 32 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: Make L&T Legrand, Hager, ABB or its equivalent as approved by Engineer-in -charge.							0
24.01	Single pole	9	266			Rupees Two hundred sixty six only.	Each	2394
25	Supplying and erection of MCB DP 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. Make:- L&T, Legrand, Hager, ABB or its equivalent as approved by Engineer-in -charge.							0
25.01	Double pole	1	1201			Rupees One thousand two hundred one only.	Each	1201
26	Supplying and fixing following rating, 10 KA double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 30 milliamps in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make:- L&T, Legrand, Hager, ABB or its equivalent as approved by Engineer-in -charge.							0
26.01	63 Amps.	1	3688			Rupees three thousand six hundred eighty eight only.	Each	3688
27	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, neutral bus bar, earth bar, din-bar, interconnections, and powder painted, including earthing etc. as required. (but without MCB/RCCB/Isolator) Make:- L&T, Legrand, Hager, ABB or its equivalent as approved by Engineer-in -charge.							0
27.01	Double door-16 way	1	3027			Rupees three thousand twenty seven only.	Each	3027
28	Supplying and fixing Loaded Wall- Wall Mount 2u Dimensions-5540-GR-DVR wall rack 2U-400D , Unloaded Mounting Rail with U-Marking welded Side walls !U Cable Manager (1) Hardware Packet (1Pkt) 3 socket 5amp .power distribution Unit(INO) .Make:- D-Link(CAT NO NWR-2U-5540-GR- DVR). Cisco, Digi link as approved by Engineer-in-Charge.	1	2448			Rupees Two thousand four hundred forty eight only.	Each	2448
29	Supplying and fixing D- link DGS-1008-A 8-port 10/100/1000Mbps Unmanaged standalone gigabit switch in desk top (green ethernet) for getting blazing speed of giga bite that delivers power performance and reliability i.e increasing the speed of net work server in large in switching protocol storing and forwarding as required .Make:- D-Link(Code No DGS-1008A) Digilink, Cisco/ or its equivalent as approved by Engineer-in-Charge.	1	2788			Rupees Two thousand seven hundred eighty eight only.	Each	2788

30	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/recessed steel/ PVC conduit as required.	15	63	Rupees Sixty three only.	Metre	945
31	Supplying and fixing 1.5 ton inverter split type air conditioner Hot and Cold 3 star with voltage stabilizer 170V to 270 V (samart EM 4170+), advanced filter, E saver mode, quit mode, dual display, auto clean, anti bacteria filter jet Cool on/off timer sleep mode compressor cord less remote complete in all respect as per comprising to ISI with latest amendment suitable to operate on 230 volt /240 volt + 10 % AC supply capable to perform the function of cooling dehumidification air circulation ventilation and fitting in size of nominal cooling capacity and drain pipe 20 mm dia approximately 3 mtrs long 2 nos copper pipe with insulator for inlet and outlet approximatey 3 mtrs long and M.S power coated frame /stand for erection of out door unit of split type A.,C including carrigae of material with in all leads and lift. Make:- Daikin (Model: FHT50), O Genral/Mitsubsi or equivalent not less than 3 star as approved by the Engineer Charge (with five year warranty).	1	65946	Rupees Sixty five thousand nine hundred forty six only.	Each	65946
32	Supplying and fixing true power make advanced earthing system having copper pipe 3 meter long 50 mm dia with terminal size 50x6 mm ,internal strip size 25x3 with 50 Kg compound including exvavation of pit and refilling the same and making earthing pit cover 12 inch dia as required complete in all respect. make :- True power ,Earth plus,Ashloka as per best satisfaction of Engineer-in -charge.	1	14002	Rupees Fourteen thousand two only.	Set	14002
33	Providing and fixing 4 mm dia. copper wire on surface or in recess for loop earthing as required.	15	160	Rupees One hundred sixty only.	Metre	2400
34	Providing, laying and fixing of 2x10 sq.mm aluminium conductor, PVC insulated and PVC sheathed, weather proof un armoured flat cable, working voltage 1100 volts grade on surface etc. of the required size. Make:- KEI, Polycab, Finolex, Havell's or its equivalent as approved by Engineer-in-charge.	45	40	Rupees Forty only.	Metre	1800
Total						245423

Executive Engineer,
Electrical Division,
HP.PWD., Una,

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DRAFT SCHEDULE OF QUANTITY				Job No. 10		
					Estimated Cost:- Rs. 3,14,890/-	
					Earnest money:- Rs. 6,300/-	
					Time Limit:- One year.	
NAME OF WORK:- C/O Restoration improvement and Beautification of Natural Basin, Café, Toilet Block at Sammu Tal Tehsil Bhoranj Distt. Hamirpur (HP) (SH: Providing E.I. there in).						
Sr. No.	Description of Items	Quantity	Rate In Fig.	In Fig.	Unit	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 Heavy class PVC Conduit having wall thickness minimum 2.0 mm , 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. Make:- Anchor (Roma classic) , L&T(Entice), Legrand(Myrius) or its equivalent as approved by Engineer-In-Charge.					
1.01	Group - C	50	1214	Rupees One thousand two hundred fourteen only.	Each	60700
2	Supplying and fixing following rating Modular switch /socket on the existing switch box / cover plate including connections but excluding modular plate etc. as required. Make:- Legrand(Myrius), L&T(entice), Anchor (Roma Classic) as approved by Engineer-in -charge .					0
2.01	S.P. 5/ 6 Amps one way Modular switch.	9	87	Rupees Eighty seven only.	Each	783
2.02	5 pin, 5/ 6 Amps Modular socket outlet.	9	146	Rupees One hundred forty six only.	Each	1314
3	Supplying and fixing suitable size G.I. 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, connections etc. as required. Make:- Legrand(Myrius), L&T(entice) , Anchor (Roma classic) as approved by Engineer-in -charge .	3	468	Rupees Four hundred sixty eight only.	Each	1404
4	Supplying and fixing suitable G.I. box with modular plate and cover in front on surface or in recess including providing and fixing 6 pin 5/6 amps & 15/16 amp modular socket outlet and 15/16 amps, modular switch, connections etc. as required. Make:- Legrand(Myrius), L&T(entice), Anchor (Roma classic) as approved by Engineer-in -charge .	3	626	Rupees Six hundred twenty six only.	Each	1878

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 Heavy class PVC Conduit having wall thickness minimum 2.0 mm as required. Make:- KEI,Anchor,Polycab,Finolex or its equivalent as approved by Engineer-In-Charge					0
5.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	50	213	Rupees Two hundred thirteen only.	Metre	10650
5.02	2 x 4 Sq. mm.+ 1X4 sq.mm earth wire	20	349	Rupees three hundred forty nine only.	Metre	6980
5.03	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	2	670	Rupees Six hundred seventy only.	Metre	1340
6	Supplying and drawing following size of FRLS PVC insulated copper conductor single core cable in existing surface / recessed, Steel/medium class PVC conduit as required. Make:- KEI, Anchor, Polycab,Finolex or its equivalent as approved by Engineer-In-Charge					
6.01	3x1.5 Sq. mm.	25	108	Rupees One hundred eight only.	Metre	2700
6.02	3x4.0 Sq. mm.	10	248	Rupees Two hundred forty eight only.	Metre	2480
7	Supplying and fixing of following sizes of Heavy class PVC Conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed Heavy class PVC Conduit having wall thickness minimum 2.0 mm as required. Diplast/BEC/ Polyfit.or its equivalent as approved by Engineer-In-Charge.					
7.01	25 mm. dia	5	112	Rupees One hundred twelve only.	Metre	560
8	Providing, Installation, testing and commissioning of ceiling fan 1200 mm with socket type regulator with Five year Warranty,including wiring the down rods of standard length (up to 40 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. Make:- Usha (Technix plus),Bajaj(Sab se Tej),Crompton or its equivalent but not less than 3 star as approved by Engineer-in-charge.	11	3874	Rupees three thousand eight hundred seventy four only.	Each	42614
9	Providing and installation exhaust fan of 300 mm (H.D.) 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: Make:- Usha (TURBO H.D. 900 RPM),Bajaj, Crompton or its equivalent as approved by Engineer-in-charge with five year warranty.	5	4360	Rupees Four thousand three hundred sixty only.	Each	21800

10	Providing and installation of stationary storage type Electric water heater (Geyser) of 25 Ltr 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. Make:- Usha (Model 25 L SWH MISTY WITH KIT), Bajaj, Recold or its equivalent as approved by Engineer-in-charge with five year warranty.	1	12610	Rupees Twelve thousand six hundred ten only.	Each	12610
11	Supply and fixing of IP40 Led fixture 4Ft 20 W +/- 1W with Surface Mounted 4 Feet with aluminium housing and Polycarbonate diffuser, minimum system efficacy of 135 lm/W with minimum system lumens of 2700 lm with P.F.>0.95 with THD<10% , CCT 5700 K, CRI 80, Surge Protection 4 Kv, IP40. The LED with Useful life of 75000 Hrs at L70. The Input voltage range shall be 150V to 270V. complete with all accessories, connections, testing and commissioning etc. as required. Make- Philips/Wipro/Jaques/Panasonic as approved by Engineer-in-Charge with five year warranty.	6	2243	Rupees Two thousand two hundred forty three only.	Each	13458
12	Supply and fixing of backlit non slim surface/recess led downlighter in 12 W +/- 1 W in Round Shape with with minimum system lumen efficacy of 120 lm/W and minimum system lumens 1440 lumen with Pressure Die cast Aluminium heat sink with and HET diffuser and polycarbonate mounting box P.F.>0.95 , THD<10% , CCT 5700K/4000K, CRI 80, UGR<23, IP20 protection. The LED with Useful life of 50000 Hrs at L70.. The Input voltage range shall be 150V to 270V . Fixture have Surge Protection 3kV, Driver. Make- Philips/Wipro/Jaques/Panasonic as approved by Engineer-in-Charge (five year warranty).	6	2193	Rupees Two thousand one hundred ninety three only.	Each	13158
13	Supply and fixing of backlit non slim surface/recess led downlighter in 15 W +/- 1 W in Round Shape with with minimum system lumen efficacy of 120 lm/W and minimum system lumens 1800 lumen with Pressure Die cast Aluminium heat sink with and HET diffuser and polycarbonate mounting box P.F.>0.95 , THD<10% , CCT 5700K/4000K, CRI 80, UGR<23, IP20 protection. The LED with Useful life of 50000 Hrs at L70.. The Input voltage range shall be 150V to 270V. Fixture have Surge Protection 3kV, Driver. Make- Philips/Wipro/Jaques/Panasonic as approved by Engineer-in-Charge (five year warranty).	21	3551	Rupees three thousand five hundred fifty one only.	Each	74571
14	Supplying and fixing of bulk head fitting LED 12 watt , 6500k , (Five YEAR WARRANTY) and it should be compatible with specification e.i. Power Factor > .9, Harmonic Distortion <10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make -Panasonic (CAT NO PBHM02127/WIPRO/ PHILIPS , or its equivalent as approved by Engineer-in-Charge.	2	896	Rupees Eight hundred ninety six only	Each	1792

15	Supplying and erection of 5 amps. to 32 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: Make L&T Legrand, Hager, ABB or its equivalent as approved by Engineer-in-charge.	10	266				0
15.01	Single pole				Rupees Two hundred sixty six only.	Each	2660
16	Supplying and erection of MCB DP 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. Make:- L&T, Legrand, Hager, ABB or its equivalent as approved by Engineer-in-charge.						0
16.01	Double pole	2	1201		Rupees One thousand two hundred one only.	Each	2402
17	Supplying and fixing following rating, 10 KA double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 30 milliamps in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make:- L&T, Legrand, Hager, ABB or its equivalent as approved by Engineer-in-charge.						0
17.01	40 Amps.	2	2973		Rupees Two thousand nine hundred seventy three only.	Each	5946
18	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, neutral bus bar, earth bar, din-bar, interconnections, and powder painted, including earthing etc. as required. (but without MCB/RCCB/Isolator) Make:- L&T, Legrand, Hager, ABB or its equivalent as approved by Engineer-in-charge.						0
18.01	Double door-6 way	1	2004		Rupees Two thousand four only.	Each	2004
18.02	Double door-12 way	1	2434		Rupees Two thousand four hundred thirty four only.	Each	2434
19	Supplying and fixing true power make advanced earthing system having copper pipe 3 meter long 50 mm dia with terminal size 50x6 mm , internal strip size 25x3 with 50 Kg compound including excavation of pit and refilling the same and making earthing pit cover 12 inch dia as required complete in all respect. make :- True power ,Earth plus, Ashloka as per best satisfaction of Engineer-in-charge.	1	14002		Rupees Fourteen thousand two only.	Set	14002

20	Providing and laying of one number additional PVC insulated and PVC sheathed armoured / XLPE power cable of 1.1 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering. Make:-KEL, Polycab, Finolex, Havell's or its equivalent as approved by Engineer-in-charge.					
20.01	Armoured cable 6 sq. mm (twin core)	30	285	Rupees Two hundred eighty five only.	Metre	8550
21	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. Make:-KEL, Polycab, Finolex, Havell's or its equivalent as approved by Engineer-in-charge.					
21.01	Armoured cable 6 sq. mm (twin core)	10	250	Rupees Two hundred fifty only.	Metre	2500
22	Providing and fixing 4 mm dia. copper wire on surface or in recess for loop earthing as required.	15	160	Rupees One hundred sixty only.	Metre	2400
23	Providing, laying and fixing of 2x10 sq.mm aluminium conductor, PVC insulated and PVC sheathed, weather proof un armoured flat cable, working voltage 1100 volts grade on surface etc. of the required size. Make:- KEL, Polycab, Finolex, Havell's or its equivalent as approved by Engineer-in-charge.	30	40	Rupees Forty only.	Metre	1200
Total						314890


 Executive Engineer,
 Electrical Division,
 HPPWD Una.
 Date: 12/12/22

DRAFT SCHEDULE OF QUANTITY				Job No. 11		
					Estimated cost:- Rs. 4,12,740/-	
					Earnest monwy:- Rs. 8,300/-	
					Time Limit:- One year.	
NAME OF WORK:- Providing E.I. and accessories in the Anexy building in First Floor at PHC Bhota Distt. Hamirpur (H.P.)						
Sr. No.	Description of Items	Quantity	Rate In Fig.	In Words.	Unit	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 Heavy class PVC Conduit having wall thickness minimum 2.0 mm , 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. Make:- Anchor (Roma classic), L&T(Entice), Legrand(Myrius) or its equivalent as approved by Engineer-In-Charge.					
1.01	Group - C	52	1239	Rupees One thousand two hundred thirty nine only.	Each	64428
2	Supplying and fixing following rating Modular switch /socket on the existing switch box / cover plate including connections but excluding modular plate etc. as required. Make:- Legrand(Myrius), L&T(Entice), Anchor (Roma Classic) as approved by Engineer-in -charge .					
2.01	S.P. 5/ 6 Amps one way Modular switch.	4	90	Rupees Ninety only.	Each	360
2.02	5 pin, 5/ 6 Amps Modular socket outlet.	4	148	Rupees One hundred forty eight only.	Each	592
3	Supplying and fixing suitable size G.I. 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, connections etc. as required. Make:- Legrand(Myrius), L&T(Entice) , Anchor (Roma classic) as approved by Engineer-in - charge .	5	476	Rupees Four hundred seventy six only.	Each	2380
4	Supplying and fixing suitable G.I. box with modular plate and cover in front on surface or in recess including providing and fixing 6 pin 5/6 amps & 15/16 amp modular socket outlet and 15/16 amps, modular switch, connections etc. as required. Make:- Legrand(Myrius), L&T(Entice), Anchor (Roma classic) as approved by Engineer-in -charge .	5	634	Rupees Six hundred thirty four only.	Each	3170

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 Heavy class PVC Conduit having wall thickness minimum 2.0 mm as required. Make:- KEI,Anchor,Polycab,Finolex or its equivalent as approved by Engineer-In-Charge					0
5.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	50	217		Rupees Two hundred seventeen only.	10850
5.02	2 x 4 Sq. mm.+ 1X4 sq.mm earth wire	80	353		Rupees Three hundred fifty three only.	28240
5.03	4 X 10 sq. mm + 1 X 6 sq. mm earth wire	5	1235		Rupees One thousand two hundred thirty five only.	6175
6	Supplying and drawing following size of FRLS PVC insulated copper conductor single core cable in existing surface / recessed, Steel/medium class PVC conduit as required. Make:- KEI,Anchor,Polycab,Finolex or its equivalent as approved by Engineer-In-Charge					
6.01	3x1.5 Sq. mm.	45	108		Rupees One hundred eight only.	4860
6.02	3x4.0 Sq. mm.	80	249		Rupees Two hundred forty nine only.	19920
7	Providing, Installation, testing and commissioning of ceiling fan 1200 mm with socket type regulator with Five year Warranty,including wiring the down rods of standard length (up to 40 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. Make:- Usha (Technix plus),Bajaj(Sab se Tej),Crompton or its equivalent but not less than 3 star as approved by Engineer-in-charge.	12	4029		Rupees Four thousand twenty nine only.	48348
8	Providing and installation exhaust fan of 300mm (Plastic body) size 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: Make:- Usha,Bajaj,Crompton or its equivalent as approved by Engineer-in-charge with five year warranty.	8	2898		Rupees Two thousand eight hundred ninety eight only.	23184
9	Supply and fixing of backlit non slim surface/recess led downlighter in 12 W +/- 1 W in Round Shape with minimum system lumen efficacy of 120 lm/W and minimum system lumens 1440 lumen with Pressure Die cast Aluminium heat sink with and HET diffuser and polycarbonate mounting box P.F.>0.95 ,THD<10% ,CCT 5700K/4000K, CRI 80, UGR<23,IP20 protection. The LED with Useful life of 50000 Hrs at L70.. The Input voltage range shall be 150V to 270V .Fixture have Surge Protection 3kV, Driver. Make- Philips/Wipro/ Jaquar/ Panasonic as approved by Engineer-in-Charge with five year warranty.	4	2195		Rupees Two thousand one hundred ninety five only.	8780

10	Supply and fixing of backlit non slim surface/recess led downlighter in 15 W +/- 1 W in Round Shape with with minimum system lumen efficacy of 120 lm/W and minimum system lumens 1800 lumen with Pressure Die cast Aluminium heat sink with and HET diffuser and polycarbonate mounting box P.F.>0.95 ,THD<10%, CCT 5700K/4000K, CRI 80, UGR<23,IP20 protection.The LED with Useful life of 50000 Hrs at L70.. The Input voltage range shall be 150V to 270V. Fixture have Surge Protection 3kV, Driver. Make- Philips/Wipro/Jaquar/Panasonic as approved by Engineer-in-Charge with five year warranty.	8	3553	Rupees three thousand five hundred fifty three only.	Each	28424
11	Supply and fixing of Led fixture 600mmX600mm 36 W+/- 1W Recess/Surface Mounted with HET diffuser with minimum system lumen efficacy of 120 lm/W and system lumen of 4320 lm with CRCA Housing and with P.F.>0.95,THD<10%,CCT 5700 K/4000K, internal surge protection 2.5KV with input voltage range of 150V-270V,CRI 80,UGR<22.The LED shall be tested with LM80-08 standard with Useful life of 50000 Hrs at L70 complete with all accessories, connections, testing and commissioning etc.as required. Make Philips/Wipro/Jaquar/Panasonic as approved by Engineer-in-Charge with five year warranty.	20	3607	Rupees thre thousand six hundred seven only.	Each	72140
12	Supplying and erection of 5 amps. to 32 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:Make L&T Legrand,Hager, ABB or its equivalent as approved by Engineer-in -charge.					0
12.01	Single pole	15	269	Rupees Two hundred sixty nine only.	Each	4035
13	Supplying and erection of MCB DP 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. Make:- L&T, Legrand,Hager, ABB or its equivalent as approved by Engineer-in -charge.					0
13.01	Double pole	3	1204	Rupees One thousand two hundred four only.	Each	3612
14	Supplying and fixing following rating, 10 KA double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 30 milliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make:- L&T, Legrand,Hager, ABB or its equivalent as approved by Engineer-in -charge.					0
14.01	40 Amps.	3	2979	Rupees Two thousand nine hundred seventy nine only.	Each	8937

15	Supplying and fixing of Segregated tripple pole and neutral 8 way, sheet steel MCB distribution board 415 Volt on surface /recess with provision to mount MCCB as incomer with provision of up to 125 amp insulated phase bus bar /neutral bar with shroud/s /earth bar sticking saddles cement spill protector /colour coded interconnected wire set /cable ties/blanking plate and circuit indenfication labels .SP/TP MCB as out going , Powder painted including earthing etc as required. Make: L&T/Legrand, Hager,ABB or its equivalent as approved by Engineer-in charge.	1	18452	Rupees Eighteen thousand four hundred fifty two only.	Each	18452
16	Supplying and fixing 4 pole MCCB 63 Amp Ics = 100% icu, 18KA & @ 415 volts, 50 Hz with thermal magnet in release and terminal spreaders in existing cubical panel complete with connection ,testing and commissioning etc as required. Make:- L&T Cat. No. CM9051800JO, Legrand, Hager, ABB as approved by Engineer-in - charge.	1	5389	Rupees Five thousand three hundred eighty nine only.	Each	5389
17	Supplying and fixing true power make advanced earthing system having copper pipe 3 meter long 50 mm dia with terminal size 50x6 mm ,internal strip size 25x3 with 50 Kg compound including exvavation of pit and refilling the same and making earthing pit cover 12 inch dia as required complete in all respect. make :- True power ,Earth plus,Ashloka as per best satisfaction of Engineer-in -charge.	2	14002	Rupees Fourteen thousand two only.	Set	28004
18	Providing and fixing 4 mm dia. copper wire on surface or in recess for loop earthing as required.	50	160	Rupees One hundred sixty only.	Metre	8000
19	Providing, laying and fixing of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade on surface etc. of the required size. Make:- KEI, Popycab, Finolex, Havell's or its equivalent as approved by Engineer-in-charge.					
19.01	Armoured cable 16 sq. mm (Four core)	30	482	Rupees Four hundred eighty two only.	Metre	14460
	Total					412740


 Executive Engineer,
 Electrical Division,
 HPPWD Unnao


DRAFT SCHEDULE OF QUANTITY						
Job No. 12						
					Estimated cost:- Rs. 1,01,724/-	
					Earnest money:- Rs. 2,100/-	
					Time Limit:- One year.	
	NAME OF WORK:- C/O Additional Accommodation at G.S.S.S. Dhangota Tehsil Bijhar Distt. Hamirpur (H.P.) (SH:- Providing E.I. in 2 No class rooms there in)					
S. No.	Description of Items	Quantity	Rate In Fig.	In Words.	Unit	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 Heavy class PVC Conduit having wall thickness minimum 2.0 mm , 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. Make:- Anchor (Roma classic), L&T(Entice), Legrand(Myrius) or its equivalent as approved by Engineer-In-Charge.					
1.01	Group - C	18	1214	Rupees One thousand two hundred fourteen only.	Each	21852
2	Supplying and fixing following rating Modular switch /socket on the existing switch box / cover plate including connections but excluding modular plate etc. as required. Make:- Legrand(Myrius), L&T(entice), Anchor (Roma Classic) as approved by Engineer-in - charge .					
2.01	S.P. 5/ 6 Amps one way Modular switch.	3	87	Rupees Eighty seven only.	Each	261
2.02	5 pin, 5/ 6 Amps Modular socket outlet.	3	146	Rupees One hundred forty six only.	Each	438
3	Supplying and fixing suitable size G.I. 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, connections etc. as required. Make:- Legrand(Myrius), L&T(entice), Anchor (Roma classic) as approved by Engineer-in -charge .	2	468	Rupees four hundred sixty eight only.	Each	936

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 Heavy class PVC Conduit having wall thickness minimum 2.0 mm as required. Make:- KEL,Anchor,Polycab,Finolex or its equivalent as approved by Engineer-In-Charge.						
4.01	2x1.5 Sq. mm + 1X1.5 sq.mm earth wire	55	213	Rupees Two hundred thirteen only.	Metre	11715	
4.02	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	5	481	Rupees four hundred eighty one only.	Metre	2405	
5	Supplying and drawing following size of FRLS PVC insulated copper conductor single core cable in existing surface / recessed, Steel/medium class PVC conduit as required. Make:- KEL, Anchor, Polycab as approved by Engineer -in -charge.						
5.01	3x1.5 Sq. mm.	25	108	Rupees One hundred eight only.	Metre	2700	
6	Providing, Installation, testing and commissioning of ceiling fan 1200 mm with socket type regulator,including wiring the down rods of standard length (up to 40 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. Make:- Usha (Technix plus),Bajaj(Sab se Tej),Crompton or its equivalent but not less than 3 star as approved by Engineer-in-charge (Warranty Five year)	8	3874	Rupees thre thousand eight hundred seventy four only.	Each	30992	
7	Supplying and fixing Aluminium batten LED 26 watt, 6000k, and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- panasonic (Model - PBTM14267)/Philips,Jaquar or its equivalent as approved by Engineer-in-Charge (Five YEAR WARRANTY).	2	722	Rupees Seven hundred twenty two only.	Each	1444	

8	Supplying and fixing PVC batten/angle holder including connections etc. as required:-	8	78	Rupees seventy eight only.	Each	624
9	Providing and installation of 9 watt LED retrofit Lamp E-27 holder base with polycarbonate diffuser and aluminium heat sink including connections, testing and commissioning etc. as required. Make- Panasonic, Philips, TISVA or its equivalent as approved by Engineer-in-Charge.	8	167	Rupees One hundred sixty seven only.	Each	1336
10	Supplying and erection of 5 amps. to 32 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: Make L&T Legrand, Heggarr as approved by Engineer-in-charge.					
10.01	Single pole.	6	266	Rupees Two hundred sixty six only.	Each	1596
11	Supplying and erection of MCB DP 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. Make:- L&T, Legrand, Heggarr as approved by Engineer-in-charge.	1	1201	Rupees One thousand two hundred one only.	Each	1201
12	Supplying and fixing following rating, 10 KA double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 30 milliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make:- L&T, Legrand, Hager, ABB or its equivalent as approved by Engineer-in-charge.					
12.01	40 Amps.	1	2988	Rupees Two thousand nine hundred eighty eight only.	Each	2988

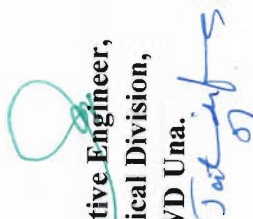
13	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, neutral bus bar, earth bar, din-bar, interconnections, and powder painted, including earthing etc. as required. (but without MCB/RCCB/Isolator) Make:- L&T, Legrand, Hager as approved by Engineer-in -charge.					
13.01	Double door-12 way	1	2434	Rupees Two thousand four hundred thirty four only.	Each	2434
14	Supplying and fixing true power make advanced earthing system having copper pipe 3 meter long 50 mm dia with terminal size 50x6 mm ,internal strip size 25x3 with 50 Kg compound including excavation of pit and refilling the same and making earthing pit cover 12 inch dia as required complete in all respect. make :- True power ,Earth plus,Ashloka as per best satisfaction of Engineer-in -charge.	1	14002	Rupees Fourteen thousand two only.	Set	14002
15	Providing and fixing 4 mm dia. copper wire on surface or in recess for loop earthing as required.	20	160	Rupees One hundred sixty only.	Metre	3200
16	Providing, laying and fixing of 2x10 sq.mm aluminium conductor, PVC insulated and PVC sheathed, weather proof un armoured flat cable, working voltage 1100 volts grade on surface etc. of the required size. Make:- KEI, Polycab, Finolex, Havell's or its equivalent as approved by Engineer-in-charge.	40	40	Rupees forty only.	Metre	1600
	Total					101724


 Executive Engineer,
 Electrical Division,
 HPPWD Una.


DRAFT SCHEDULE OF QUANTITY					Job No. 13	
					Estimated cost:- Rs. 17,516/-	
					Earnest money:- Rs. 400/-	
					Time Limit:- Six months.	
NAME OF WORK:-Replacement of damaged E.I in Health Sub Centre Building at Sachuhi Distt Hamirpur (H.P)						
Sr. No.	Description of Items	Quantity	Rate In Fig.	In Words.	Unit	Amount
1	Providing, Installation, testing and commissioning of 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 fan box, phenolic laminated sheet cover on the fan box and earthing etc. as required: Make:- Usha(TECHNIX PLUS), Bajaj, Crompton or its equivalent as approved by Engineer-In-Charge					
1.01	Ceiling Fan 1200 mm sweep	2	2515.00	Rupees Two thousand five hundred fifteen only.	Each	5030
2	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVCconduit as required.					
2.01	1 X 1.5 sq. mm	70	41	Rupees Forty one only.	MTR	2870
3	Supplying and fixing SURFACE 1x4 36 WATT LED , 5700k, (Five YEAR WARRANTY) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- panasonic (Model - PBTM17228)/Philips,Panasonic or its equivalent as approved by Engineer-in-Charge	2	2970	Rupees Two thousand nine hundred seventy only.	Each	5940

4	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.					
4.01	40amp, double pole, (single phase and neutral)	1	2893	Rupees Two thousand eight hundred ninety three only.	Each	2893
5	Supplying and fixing 5 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.	3	261	Rupees Two hundred sixty one only.	Each	783
	TOTAL					17516

Executive Engineer,
Electrical Division,
HPPWD Una.



DRAFT SCHEDULE OF QUANTITY						
Job No. 14						
		Estimated cost:- Rs. 1,20,755/-				
		Earnest money- Rs. 2,500/-				
		Time Limit:- One year.				
NAME OF WORK:-C/O Veterinary Dispensary building at Chamiana Tehsil Sujapur , Distt Hamirpur H.P(SH:-Providing E.I there in)						
Sr. No.	Quantity	Unit	Rate In Fig.	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 heavy duty 2 mm thickness pvc conduit, with modular switch, modular plate, suitable GI box and earthing the pointwith 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.Make :-Anchor (Roma classic), L&T (Entice), Legrand (Myrius) pvc conduit Diplast, AKG, BEC, POLY India or its equivalent as approved by Engineer-In-Charge.					
1.01	Group C	1138	Each	Rupees One thousand one hundred thirty eight only.	17070	
2	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.Make :-Anchor (Roma classic),L&T(Entice) ,Legrand(Myrius) or its equivalent as approved by Engineer-In-Charge				0	
2.01	5/6 amp Modular switch.	87	Each	Rupees Eighty seven only.	261	
2.02	5 pin 5/6 amp socket outlet.	135	Each	Rupees One hundred thirty five only.	405	

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. Make :-Anchor (Roma classic),L&T(Entice),Legrand(Myrius) or its equivalent as approved by Engineer-In-Charge						0
3.01	3 Module (100mmX75mm)	2.00	486	Each	Rupees Four hundred eighty six only.	972	
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. Make :-Anchor (Roma classic),L&T(Entice),Legrand (Myrius) or its equivalent as approved by Engineer-In-Charge	5.00	645	Each	Rupees Six hundred forty five only.	3225	
5	Supplying and fixing power unit of 20 amp motor stater switch with 16/20 amp modular socket including 2 module G.I box & cover plate 2 nos including connections etc. as required Make:- Legrand(Myrius), L&T(entice), Anchor (Roma Clasic) as approved by Engineer-in -charge .	1.00	686	Each	Rupees Six hundred eighty six only.	686	
6	Supplying and fixing Computer board comprising 3 nos 5 amp modular switches & Sockets , G.I box 2 module for jack box and G.I Box 12 module for 5 amp switches and 5 amp sockets comprising sheet cover for each 2 module metal box , one no computer jack (RJ-45)with shutter including connections etc as required. Make :-Anchor (Roma classic),L&T (Entice), Legrand(Myrius) or its equivalent as approved by Engineer-In-Charge	1.00	1772	Each	Rupees One thousand seven hundred seventy two only.	1772	

7	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed heavy class PVC conduit having wall thickness 2.0mm as required. Make:-Plaza,KEI, Finolex & pvc conduit pipe AKG,BEC, Diplast,Poly india or its equivalent as approved by Engineer-In-Charge						0
7.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	15.00	221	Meter	Rupees Two hundred twenty one only.	3315	
7.02	2 X 4 sq. mm + 1 X 4sq. mm earth wire	36	364	Meter	Rupees three hundred sixty four only.	13104	
7.03	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	2	666	Meter	Rupees Six hundred sixty six only.	1332	
8	Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed heavy class PVC conduit having wall thickness 2.0mm 2 No 4 sq.mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.Make:- Finolex, KEI, Anchor, Plaza as approved by Engineer -in -charge .	20.00	623	Meter	Rupees Six hundred twenty three only.	12460	
9	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVCconduit as required. Make:- Finolex, KEI, Anchor, Plaza as approved by Engineer -in -charge .					0	
9.01	3X1.5 Sq.mm	10.00	116	Meter	Rupees One hundred sixteen only.	1160	
9.02	3 X 4 sq. mm	10.00	263	Meter	Rupees Two hundred sixty three only.	2630	

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:- Make:- Usha, Bajaj Recold or its equivalent as approved by Engineer-in-charge. Five year warranty								0
10.01	10 LTR (Model 10 L SWH MISTY WITH KIT)	1.00	10230	Each		Rupees Ten thousand two hundred thirty only.		10230	
11	Providing, Installation, testing and commissioning of ceiling fan with socket type regulator, including wiring the down rods of standard length (up to 45 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. Make:- Usha (TECHNIX PLUS 3 star), Bajaj, Crompton or its equivalent as approved by Engineer-in-charge (warranty five year)							0	
11.01	Ceiling Fan 1200 mm sweep	3.00	3420	Each		Rupees three thousand four hundred twenty only.,		10260	
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 (five year warranty). Make:- Usha, Bajaj, Crompton or its equivalent as approved by Engineer-in-charge (Warranty five year)							0	
12.01	Exhaust Fan, Light duty, 300 mm sweep	1.00	2149	Each		Rupees Two thousand one hundred forty nine only.		2149	
13	S/F louver and shutter for 300mm/350 mm on 12mm thick ply board as required complete in all respect	1.00	600	Each		Rupees six hundred only.		600	

14	Providing and installation exhaust fan of 300mm (Plastic body) size 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 (five year warranty). Make:- Usha, Bajaj, Crompton or its equivalent as approved by Engineer-in-charge (with five year warranty)	1.00	2809	Each	Rupees Two thousand eight hundred nine only.	2809
15	Supply and fixing of backlit non slim surface/recess led downlighter in 15 W +/- 1 W in Round Shape with with minimum system lumen efficacy of 100 lm/W and minimum system lumens 1800 lumen with Pressure Die cast Aluminium heat sink with and HET diffuser and polycarbonate mounting box P.F.>0.95, THD<10%, CCT 5700K/4000K, CRI 80, UGR<23, IP20 protection. The LED with Useful life of 50000 Hrs at L70.. The Input voltage range shall be 150V to 270V. Fixture have Surge Protection 3kV. Driver . complete with all accessories, connections, testing and commissioning etc. as required (five year warranty). Make:- Philips/Wipro/Osram/Jaquar/ panasonic or or its equivalent as approved by Engineer-in-Charge. (five year warranty)	3.00	1884	Each	Rupees One thousand eight hundred eighty four only.	5652
16	Supplying and fixing Ding Dong bell suitable for single phase, 230 volts, complete as required.	1.00	297	Each	Rupees Two hundred ninety seven only.	297
17	Supplying and fixing street light LED 45 watt with G.I bracket die cast Aluminium housing with frame and toughened glass, pipe mounting 5700k, (Five YEAR WARRANTY) and it should be compatible with specification e.i. Power Factor > .9, Harmonic Distortion < 10% and efficacy > 100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make -panasonic ,Jaquar /Philips/wipro or its equivalent as approved by Engineer-in-Charge	1	3090	Each	Rupees three thousand ninety only.	3090

18	Supplying and fixing of bulk head fitting LED 12 watt ,6500k ,(Five YEAR WARRANTY) and it should be compatible with specification e.i. Power Factor > .9, Harmonic Distortion <10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make -Panasonic (CAT NO PBHM02127/WIPRO/PHILIPS , or its equivalent as approved by Engineer-in-Charge	1	896	Each	Rupees Eight hundred ninety six only.	896
19	Supply and fixing of Led fixture 4FTx1FT(Approx) 36 W+/- 1W Recess/Surface mounted Mounted with HET diffuser with having minimum system lumen efficacy of 100lm/W with CRCA Housing and with P.F.>0.95, THD<10%, CCT 5700 K, internal surge protection 2.5KV with input voltage range of 150V-270V, CRI 80. The LED shall be tested with LM80-08 standard with Useful life of 50000 Hrs at L70 complete with all accessories, connections, testing and commissioning etc.as required(five year warranty). Make Philips/Wipro/Osram/Jaquar/panasonic or or its equivalent as approved by Engineer-in-Charge.(five year warranty)	2.00	4490	Each	Rupees Four thousand four hundred ninety only.	8980
20	Supply and fixing of IP20 Led fixture 4FT 20 W+/- 1W with Surface Mounted 4 Feet with aluminium housing and Polycarbonate diffuser, minimum system efficacy of 100lm/W with P.F.>0.95 with THD<20%, CCT6500 K, CRI 80, Surge Protection 2 Kv, IP20. The LED with Useful life of 50000 Hrs at L70. The Input voltage range shall be 150V to 270V. complete with all accessories, connections, testing and commissioning etc.as required(five year warranty). Make Philips/Wipro/Osram/Jaquar/ panasonic or or its equivalent as approved by Engineer-in-Charge.	2.00	925	Each	Rupees Nine hundred twenty five only.	1850

21	Supplying and fixing 5 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 (five year warranty). Make:- L&T Cat. No. (CM930070000AG), Legrand, Hager, ABB or its equivalent as approved by Engineer-in-charge.						0
21.01	Single pole	8.00	266	Each		Rupees Two hundred sixty six only.	2128
22	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 (five year warranty):- Make :- L&T, Legrand, Hager, ABB or its equivalent as approved by Engineer-in-charge.	1.00	1201	Each		Rupees One thousand two hundred one only.	1201
23	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 (five year warranty). make:- L&T, Legrand, Hager, ABB or its equivalent as approved by Engineer-in-charge.						0
23.01	63 amp, double pole, (single phase and neutral)	1.00	3655	Each		Rupees Three thousand six hundred fifty five only.	3655
24	Supplying and fixing 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 (five year warranty). Make:- L&T Cat. No. (CM930070000AG), Legrand, Hager, or its equivalent as approved by Engineer-in-charge. make:- L&T, Legrand, Hager, ABB or its equivalent as approved by Engineer-in-charge.						0

24.01	12 way, Double door	1.00	2434	Each	Rupees Two thousand four hundred thirty four only.	2434
25	Supplying and fixing true power make advanced earthing system having GI pipe 2 meter long 50 mm dia with terminal size 50x6 mm ,internal strip size 25x3 with 25 Kg compound including pit exavation of pit and refiling the same and making earthing pit cover 13 inch dia as required complete in all respect. make :-True power ,Earth plus,Ashloka or its equivalent as per best satisfaction of Engineer-in -charge.	1.00	5082	Set	Rupees Five thousand eighty two only.	5082
26	Providing and fixing 6 SW/G (4 mm dia.) G.I. wire on surface or in recess for loop earthing as required.	15.00	70	Meter	Rupees Seventy only.	1050
	Total					120755


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