

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

No.: PW/EDP/CB/TA/CONT/2023-24/- 1422-30

Dated: 28-6-24

To

The Executive Engineer (IT Cell),
Nigam Vihar, Shimla-2.

Subject: Publishing of Tender Notice.

Enclosed please find herewith the Tender Notice of works as given in the Notice Inviting Tenders along with Schedule of Quantities for uploading on departmental website as per Notification Pr. SEC(PW) to the Govt. of HP letter No. PBW(B)A9(3)1/2020 dated Shimla-26th July 2021.

It is certified that the works mentioned in the Notice Inviting Tenders are urgent in nature and in public Interest.

DA/NIT,SQs

Executive Engineer
Electrical Division
HP PWD Palampur

Copy forwarded to the following for information and necessary action please:

1. The Superintending Engineer, 2nd Electrical Circle, HP PWD Dharamshala.
2. The Drawing Branch in this office.
3. All the Assistant Engineers working under this Division.

Executive Engineer
Electrical Division
HP PWD Palampur

**HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT**

"Notice Inviting Tenders"

Sealed percentage rate tenders on form 6&8 are hereby invited by the Executive Engineer, Electrical Division, HP PWD Palampur on behalf of the Governor of H.P. for the following work from the approved and eligible contractors enlisted in HP.PWD, (Elect) whose registration stood renewed as per revised rules and also registered under the H.P. General Sales Tax Act, 1968 so as to reach in his office on or before **15-07-2024** up to 11.00 AM, and the same shall be opened on the same day at 11.30 A.M. in the presence of intending contractors or their authorized representatives. The tender documents can be had from his office against cash payment (Non-refundable) on **12-07-2024** up to 4.00 P.M. and the application for issue of tender form shall be received on **11-07-2024** up to 12.00 noon.

Conditions:

1. The contractor should have the EPF registration certificate should be attached with application.
2. The GST registration certificate.
3. The contractor should produce a copy of latest enlistment/renewal.
4. The latest ITR filed should be attached with application.
5. The bidders enlisted in a particular class shall be eligible to tender for his own class or one step below.
6. The bidder should attach authorization and work done certificate with application for Specialized Jobs.
7. The FDR duly pledged should be attached separately with each tender.
8. Only two number tender forms will be issued to the eligible contractor.
9. The Executive Engineer, Electrical Division, HP PWD Palampur reserves the right to reject any tender without assigning any reasons.
10. Conditional/ incomplete tenders & tender without earnest money will be summarily rejected.

Sr. No	Name of Work	Estimated Cost	Earnest Money	Time Limit	Form No.	Cost of Form
1	Providing UPS Wiring in IT Cell of Himachal Pradesh Board of School Education Dharamshala (Block F).	464567/-	9300/-	Six Months	8	350/-
2	Replacement of burnt and damaged cable in the Auditorium of Govt. Degree College Dharamshala Distt. Kangra (H.P.)	184240/-	3700/-	Three Months	8	350/-
3	Providing computer points for Lok Sabha Election-2024 counting of votes in Library of Govt. Degree College Dharamshala.	206048/-	4200/-	One Year	8	350/-
4	C/O ITI Building at Balakrupi in Tehsil Jaisinghpur Distt. Kangra (H.P.)(SH:- SITC 400 Amp LT Panel)(Balance Work).	466837/-	9400/-	Six Months	8	350/-
5	C/O Kitchen & Dining Hall in HPPWD Rest House at Dadh in Tehsil Palampur Distt. Kangra (H.P.)(SH:- Providing E.I. therein).	109129/-	2200/-	Six Months	8	350/-
6	C/o School of Nursing at Dr. RPGMC Kangra at Tanda in Distt. Kangra (H.P.) (SH: Providing balance work in Critical Care Skill lab/Simulation lab thereof)	341336/-	6900/-	Three Months	8	350/-
7	R/M of E.I. to various Govt. Non residential building in Distt. Kangra under Electrical Sub-Division HPPWD Dharamshala Distt. Kangra (H.P.) (SH:- Engagement of temporary basis of Peon).	229950/-	4600/-	One Year	8	350/-
8	R/M of E.I. to various Govt. Non residential building in Distt. Kangra under Electrical Sub-Division HPPWD Dharamshala Distt. Kangra	337990/-	6800/-	One Year	8	350/-

	(H P)(SH - Engagement of temporary basis of computer Operator).					
9	Replacement of Old and Damaged Batteries in the Meeting Hall for HP Cabinet in Dharamshala Distt. Kangra (H P)	190176/-	3900/-	Six Months	8	350/-
10	Replacement of old and damaged ceiling fans of various wards at 4th floor (Male and Female medicine wards) , Medicine ICU of 500 Bedded Hospital Dr. RPGMC Tanda.	296188/-	6000/-	Three Months	8	350/-
11	C/O Doctor duty room of Trauma Centre near 2nd floor OT area 500 Bedded Hospital Dr. RPGMC Kangra at Tanda (SH- Providing E.I. therein)	254704/-	5100/-	Three Months	8	350/-
12	Providing and laying Armoured cable ,Sub-mains wire, main Electrical Panel in HPPWD Rest House Baijnath Tehsil Baijnath Distt. Kangra (H P)(SH- Providing E I therein)	484393/-	9700/-	Six Months	8	350/-
13	Providing and Fixing LED street light in HPPWD Rest House at Baijnath in Tehsil Baijnath Distt. Kangra (H P)	155633/-	3200/-	Two Weeks	8	350/-
14	R/M of N R Govt. Building under ESD Palampur in Tehsil Palampur Distt. Kangra (HP) (SH: Providing Stationary Articles).	319798/-	6400/-	One Month	8	350/-
15	C/O Govt. Sr. Sec. School at Chawara, Tehsil Jawali Distt. Kangra (HP) (SH: Providing E.I. in First Floor (Balance work) and Second floor therein).	389868/-	7800/-	One year	8	350/-
16	Repair and maintenance of under ground water tank and fire pump house in Auditorium building, Dr. RPGMC Kangra at Tanda Distt. Kangra (HP) (SH: Providing Drain, waterproofing system, starter panel etc. therein)	452103/-	9100/-	Three Months	8	350/-
17	Replacement of damaged flood lights to Badminton and Basket Ball court near Main Girls Hostel Dr. RPGMC Tanda in Distt. Kangra (HP).	130328/-	2700/-	Three Months	8	350/-
18	Replacement of geysers thermostat, geyser elements and power switch-sockets etc. in various hostels, Guest house and Paraclinic Block of Dr. RPGMC Kangra at Tanda.	176950/-	3600/-	Three Months	8	350/-
19	Repair and Maintenance of 01 No. 500 KVA DG Set No.-II and allied equipments, AMF Panel etc. installed in Basement floor, Main Panel room of 500 Bedded Hospital Dr. RPGMC Kangra at Tanda for the year 2024-25.	269284/-	5400/-	One year	8	350/-
20	Replacement of old defective spare parts i.e. PCB Card Assembly, display controller etc. of 250 KVA DG Set installed in Auditorium building Dr. RPGMC Kangra at Tanda.	247463/-	5000/-	One Month	8	350/-

21	Repair and Maintenance of 01 No 750 KVA DG Set No-I installed in Super Specialty block at Dr RPGMC Kangra at Tanda for the year 2024-25	366669/-	7400/-	One year	8	350/-
22	Repair and Maintenance of 01 No 500 KVA DG Set No-I and allied equipments, AMF Panel etc. installed in Basement floor, Main Panel Room of 500 bedded Hospital Dr. RPGMC Kangra at Tanda for the year 2024-25	269284/-	5400/-	One year	8	350/-

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SCHEDULE OF QUANTITY

SCHEDULE OF QUANTITY						
Name of Work :- Providing UPS Wiring in IT cell of Himachal Pradesh Board of School Education Dharamshala (Block F)			job No ①		ESTIMATED COST: Rs.4,64,567/-only. EARNEST MONEY: Rs.9300/-only TIME ALLOWED: Six Months	
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1.00	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with 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 for wires: KEI/Plaza/Anchor Make for Switches: Schneider (Liviva)/ Legrand (Myrius) /L&T(Entice).					
1.01	Group C.	12	1893	Rupees One Thousand Eight Hundred Ninety Three Only	Per Point	22716
2.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required. Make: KEI/Plaza/Anchor.					
2.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	180	346	Rupees Three Hundred Forty Six Only	Per Metre	62280
2.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	90	482	Rupees Four Hundred Eighty Two Only	Per Metre	43380
2.03	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	35	672	Rupees Six Hundred Seventy Two Only	Per Metre	23520

job No ①

ESTIMATED COST: Rs.4,64,567/-only.
EARNEST MONEY: Rs.9300/-only
TIME ALLOWED: Six Months

2.04	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	45	786	Rupees Seven Hundred Eighty Six Only	Per Metre	35370
3.00	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: KEI/Plaza/Anchor.					
3.01	3 x 1.5 sq. mm	90	112	Rupees One Hundred Twelve Only	Per Metre	10080
4.00	Supplying and fixing of following sizes of PVC conduit of medium class with 1.4 mm thickness along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required:- Make: BEC/ Diplast/Anchor/PolyFit.					
4.01	25 mm. dia	120	120	Rupees One Hundred Twenty Only	Per Metre	14400
5.00	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required. Make: Schneider (Liviat)/ Legrand (Myrius) /L&T(Entice).					
5.01	2 Module (75mmX75mm)	15	294	Rupees Two Hundred Ninety Four Only	Each	4410
6.00	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: Schneider (Liviat)/ Legrand (Myrius) /L&T(Entice).	45	601	Rupees Six Hundred One Only	Each	27045
7.00	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: Schneider (Liviat)/ Legrand (Myrius) /L&T(Entice).	10	769	Rupees Seven Hundred Sixty Nine Only	Each	7690

8.00	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: Schneider (Livia)/ Legrand (Myrius) /L&T(Entice).	2	794	Rupees Seven Hundred Ninety Four Only	Each	1588
9.00	Supplying and fixing call bell/ buzzer suitable for single phase, 230 volts, complete as required. Make: Anchor/Goldmedal/Cona	1	120	Rupees One Hundred Twenty Only	Each	120
10.00	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required.- Make: Anchor/Goldmedal/Cona	1	191	Rupees One Hundred Ninety One Only	Each	191
11.00	Supplying and fixing 6 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
11.01	Single pole 6 Amp (Make:- Schneider/ Legrand/L&T)	16	272	Rupees Two Hundred Seventy Two Only	Each	4352
11.02	Single pole 16 Amp (Make:- Schneider/ Legrand/L&T)	10	272	Rupees Two Hundred Seventy Two Only	Each	2720
11.03	Single pole 25/32 Amp (Make:- Schneider/ Legrand/L&T)	2	272	Rupees Two Hundred Seventy Two Only	Each	544
12.00	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
12.01	40 Amps. (Make:- Schneider/ Legrand/L&T)	1	494	Rupees Four Hundred Ninety Four Only	Each	494
12.02	63 Amps. (Make:- Schneider/ Legrand/L&T)	1	623	Rupees Six Hundred Twenty Three Only	Each	623

13.00	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
13.01	40 Amps. (Make:- Schneider/ Legrand/L&T)	1	2725	Rupees Two Thousand Seven Hundred Twenty Five Only	Each	2725
13.02	63 Amps. (Make:- Schneider/ Legrand/L&T)	1	3625	Rupees Three Thousand Six Hundred Twenty Five Only	Each	3625
14.00	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/isolator).					
14.01	Double door-12 way (Make:- Schneider/ Legrand/L&T)	1	2343	Rupees Two Thousand Three Hundred Forty Three Only	Each	2343
14.02	Double door-16 way (Make:- Schneider/ Legrand/L&T)	1	2989	Rupees Two Thousand Nine Hundred Eighty Nine Only	Each	2989
15.00	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	2	19187	Rupees Nineteen Thousand One Hundred Eighty Seven Only	Per Set	38374
16.00	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.	120	184	Rupees One Hundred Eighty Four Only	Per Metre	22080

17.00	Providing, Installation, testing and commissioning of ceiling fan ISI mark with step type two module electronic fan regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required.					
17.01	Ceiling Fan 1200 mm sweep (Make: Havells (Model: Trinity BLDC, Enticer BLDC)/ Crompton/Bajaj.	3	6632	Rupees Six Thousand Six Hundred Thirty Two Only	Each	19896
18.00	Providing and fixing LED Bulkhead fixture 10 W +/- 1 W Wall Mounted with minimum system lumen efficacy of 100 lm/W with Pressure Die Cast Aluminum housing, Polycarbonate Opal Diffuser and P.F.>0.95 with THD<10% ,CRI 80.The LED shall be tested with LM80-08 standard with Useful life of 50000 Hrs at L70 with five years warranty.The LEDs used in the luminaire shall have CCT of ANSI Bin 5700 K only with CRI of minimum 80.The Input voltage range shall be 140V to 280V, 50/60 HZ complete with all accessories, including connections, testing and commissioning etc.as required complete in all respects.					
18.01	Bulk Head Light LED 10 watt Makes:- Philips /Wipro/Bajaj.	2	1424	Rupees One Thousand Four Hundred Twenty Four Only	Each	2848
19.00	Providing and Fixing of IP20 LED Surface mounted CRCA Powder Coated Box Type Channel with Pro LED Lamp Suitable for mounting 1 X 18 W LED Tube T8 type having minimum system efficacy of 100 lm/W, P.F.>0.95 with THD<10% ,CCT 6500 K,CRI 80,Surge Protection 2 kV.The LED with Useful life of 50000 Hrs at L70 with five years warranty.The Input voltage range shall be 150V to 270V, 50/60 HZ complete with all accessories, including connections, testing and commissioning etc.as required complete in all respects.					

19.01	LED fixture 1x18 Watt Surface Mounted 4 Feet Box Type Channel with Pro LED Lamp Makes:- Philips Wipro/Havells/Crompton.	8	953	Rupees Nine Hundred Fifty Three Only	Each	7624
20.00	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:- KEV Plaza/Havells).					
20.01	Armoured cable 16 sq. mm (Two core)	100	302	Rupees Three Hundred Two Only	Per Metre	30200
21.00	Providing and drawing LAN cable Cat 6 in existing PVC conduit/ casing and capping or as required to have end-to-end solution complete in all respects and to the best satisfaction of Engineer in Charge. Makes:- Belden/ Dlink/ Molex	300	66	Rupees Sixty Six Only	Per Metre	19800
22.00	Providing and fixing 24 Port panel, Cat6, loaded, should be made of cold rolled steel, labeling strip for identification, and UL listed or as required to have end-to-end solution complete in all respects and to the best satisfaction of Engineer in Charge. Makes:- Belden/ Dlink/ Molex	1	5795	Rupees Five Thousand Seven Hundred Ninety Five Only	Each	5795
23.00	Providing and fixing Face plate Single Port square plate, 86MMX86MM, should be UL listed, making connection, testing etc. as required to have complete solution in all respects and to best satisfaction of engineer in charge. Makes:- Belden/ Dlink/ Molex	15	157	Rupees One Hundred Fifty Seven Only	Each	2355
24.00	Supplying, Installation and fixing of Information Outlet(I/O), White, shuttered, conforming to Cat 6 Standards, as required to have complete solution in all respects and to best satisfaction of Engineer in Charge. Makes:- Belden/ Dlink/ Molex	15	257	Rupees Two Hundred Fifty Seven Only	Each	3855
25.00	Providing and patching CAT 6 patch cord UTP LS0H 0.5 meter long, Grey/White, as required to have complete solution in all respects and to best satisfaction of Engineer in Charge. Makes:- Belden/ Dlink/ Molex	15	287	Rupees Two Hundred Eighty Seven Only	Each	4305

26.00	Providing and patching CAT 6 patch cord UTP LS0H 02 meter long, Grey/White, as required to have complete solution in all respects and to best satisfaction of Engineer in Charge. Makes:- Belden/ Dlink/ Molex	15	363	Rupees Three Hundred Sixty Three Only	Each	5445
27.00	Providing and fixing of 9U Wall Mount Networking Rack with lock, 1U Cable Manager, 1 PDU, and 1 Pack of Hardware to have end-to-end solution complete in all respects and to the best satisfaction of Engineer in Charge. Makes:- Comrack/ Rittal / PRESIDENT/ Netrack/ Dlink/ Wbox	1	9220	Rupees Nine Thousand Two Hundred Twenty Only	Each	9220
28.00	Supplying, Installation Testing and commissioning of 24 port Gigabit switc, unmanaged, as required to have complete solution in all respects and to best satisfaction of engineer in charge. Makes:- ATN/ Cisco/ Extreme/ Juniper/ HP/ Quantum/ Dlink	1	19565	Rupees Nineteen Thousand Five Hundred Sixty Five Only	Each	19565
	Total					464567

Draft Schedule of Quantity checked and approved for Rs. 464567-00/09

HH
Executive Engineer
Electrical Division
HPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- Replacement of burnt and damaged cable in the Auditorium of Govt. Degree College Dharamshala Distt. Kangra (H.P.)				Job No <u>2</u>		ESTIMATED COST: Rs.1,84,240/-only. EARNEST MONEY: Rs.3700/-only TIME ALLOWED: Three Months	
S.R. NO.	DESCRIPTION	RATES	QTY.	AMOUNT FIGURES	RATES WORDS	UNIT	AMOUNT
1.00	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/ Plaza/Havells).						
1.01	Armoured cable 150 sq. mm (3.5 core)		80	2303	Rupees Two Thousand Three Hundred Three Only	Per Metre	184240
	Total			184240			184240

Draft Schedule of quantity checked and approved for 184240 only

Electrical Division
HPPWD Palampur

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- Providing computer points for Lok Sabha Election-2024, counting of votes in Library of Govt. Degree College Dharamshala.

Job No 3

ESTIMATED COST: Rs.2,06,048/-only.
EARNEST MONEY: Rs.4200/-only
TIME ALLOWED: One Year

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. Make: KEI/Plaza/Anchor.					
1.01	4 X 10 sq. mm + 2 X 6 sq. mm earth wire	37	1204	Rupees One Thousand Two Hundred Four Only	Per Metre	44548
2.00	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: KEI/Plaza/Anchor.					
2.01	3 x 1.5 sq. mm	545	112	Rupees One Hundred Twelve Only	Per Metre	61040
3.00	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 3 pin 5/6 amps modular socket outlets and 2 nos 5/6 amps modular switches, connection etc. as required. (For light plugs to be used in non residential buildings). Make: Legrand /L&T/ Indo Asian.	36	879	Rupees Eight Hundred Seventy Nine Only	Each	31644
4.00	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 nos. 3 pin 5/6 amps modular socket outlets and 2 nos 5/6 amps modular switches, connection etc. as required. (For light plugs to be used in non residential buildings). Make: Legrand /L&T/ Indo Asian.	1	1067	Rupees One Thousand Sixty Seven Only	Each	1067

5.00	Providing and fixing following rating and breaking capacity MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. Make: Schneider/ Legrand/L&T.					
5.01	100 Amp 18KA	100	6676	Rupees Six Thousand Six Hundred Seventy Six Only	Each	6676
6.00	Supplying and fixing 6 A to 32 A rating, 240/415 V, 10 KA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
6.01	Single pole 6 Amp (Make:- Schneider/ Legrand/L&T)	36	272	Rupees Two Hundred Seventy Two Only	Each	9792
7.00	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
7.01	63 Amps. (Make:- Schneider/ Legrand/L&T)	3	623	Rupees Six Hundred Twenty Three Only	Each	1869
8.00	Supplying and fixing of following way triple pole and neutral, sheet steel MCB distribution board, 415 volts, on surface / recess, with provision to mount 4 pole MCCB incomer, 2 module sub-incomer and SP MCBs as outgoing, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required. Make: Legrand/Hager/L&T.					
8.01	Double door 2+12 way (MCCB+6+36) module.	1	14944	Rupees Fourteen Thousand Nine Hundred Forty Four Only	Each	14944
9.00	Providing and fixing following rating, four pole, 415 volts, On-Load change over switch unit, in sheet steel Enclosure, front handle operation, including drilling holes in the cubical, making connections, etc. as required. Make: Havells /L&T.					

19.01	100 amps. TPN, On Load Change over switch (sheet steel Enclosure)	1	9268	Rupees Nine Thousand Two Hundred Sixty Eight Only	Each	9268
10.00	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.					
10.01	25 mm dia Make: BEC/Diplast	120	120200	Rupees One Hundred Twenty Only	Each	25200
	Total		206048			206048

Boq Schedule of quantity checked and approved for ₹ 206048/-

Executive Engineer
Electrical Division
HPPWD Palampur

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- C/O ITI building at Balakrupi in Tehsil Jaisinghpur Distt. Kangra HP (Sh:- SITC 400 Amp LT Panel) (Balance Work)		job No 4		ESTIMATED COST: Rs.4,66,837/-only. EARNEST MONEY: Rs.9400/-only TIME ALLOWED: Six Months		
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying, Installation, Testing and Commissioning of indoor s/door, 400 A Cubical type L.T. Panel. The Panel shall be compartmentalized type having space and arrangement for incoming and outgoing cables/bus ducting, switchgear, insulated and properly supported compartmentalized bus-bars, interconnection between bus bars and switchgear with auxiliary bus bars/insulated conductors/strips etc. It shall be fabricated in 14/ 16G CRCA sheet, base frame 50X50X5MM angle duly painted with Siemens Grey Powder Coated paintas per specification Approximate Size of Panel H- 1675 X W-1850 X D- 400MM . Assembly of 400A 4 strip copper Bus-Bar (Vertical /Horizontal) & Earth strip through out the length of panel (current denesty) of copper Bus-Bar shall be 1mmx1mm=1.66 Amp) copper shall be Electric grade DMC epoxy insulator . All Busbars links shall be covered / insulated with Heat Shrinkable sleeves of coloured coded Red, Yellow, Blue & Black Assembly Charges of Copper solid/ Copper flexible wire interconnection Busbar to MCCB/MCB to field side for Cable termination duly covered/ insulated with Heat Shrinkable sleeves of coloured coded Red, Yellow, Blue & Black. All Interconnections of fields side are supported by conical, L & Finger type insulators of adequate size to support & sustain the weight of cables. Control Wiring with Copper Flexible Wire (size of control wire shall be 2.5 sq. mm copper flexible for C.T. Circuit & 1.0 sq. mm for Control Wiring) with thimbles printed sleeves, tie & belt etc. Assembly Charges of Accessories like Gasket, Doorlocks, Copper Flexible door earth, legend plates etc. as required complete in all respects and panel should be Approved/Tested from CPRI Lab and should confirm IS 61439. (EVA/KSB Approved equivalent make)					

	The panel shall include the following switchgears & Accessories as per the make of Schneider, L&T, Siemens, ABB etc.					
	Material					
	Supplying, Installation, Testing and Commissioning of indoor s/door, 400 A Cubical type L.T. Panel, MCCB 400 A 4P-36 KA TMR with O/L & S/C protection-1 No., spreader link 500A 4P-1 No. Digitally metering set including Amp meter 96X96mm-1 No., Volt meter 96X96mm-1 No., Ampere selector switch-1 No., Voltmeter selector, Phase indicating Lamp-3 Nos, O.L.C.O.S. 100A 4P-1 No. Control SP MCB 6A 4 No., terminal Strip 1 No. MCCB 100A 4P 25 KA TMR with O/L & S/C protection=6No., Spreader link MCCB 100A 4P=6Nos, Spreader link MCCB 100a 4P 6 No. All interconnections of fields side are supported by conical, L & finger type insulators of adequate size to support & sustain the weight of cables, Control wiring with copper flexible FRLS wire with thimbles, printed sleeves, tie & belt etc;					
	The prices of complete job as per the specifications above shall be inclusive of gasket, doorlocks, reading glass, wooden, copper flexible door earth, legend plates etc;					
	Makes for MCCB : Schneider/L&T/ABB .Legrand	1	288031	Rupees Two Lacs Eighty Eight Thousand Thirty One Only	P/Job	288031
2	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required					
	4x6 sq.mm +2x6 sqmm earth wire	38	1122	Rupees One Thousand One Hundred Twenty Two Only	P/Mtr.	42636
	Havells/KEI/Plaza make					

4	Supplying and fixing following Way, TPND, Sheet Steel, MCCB 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. (with MCB/RCCB/Isolator)					
	TPND 12 way MCCB Sub-incomer Metal Door(As per LEGREND Cat/Price List w.e.f. 2023)	5	27234	Rupees Twenty Seven Thousand Two Hundred Thirty Four Only	Each	136170
	Total					466837

Nett Schedule of quantity checked and proved for 466837 only

H
Executive Engineer
Electrical Division
HPPWD, Palampur

SCHEDULE OF QUANTITY

Name of Work :- C/O Kitchen & Dining Hall in HPPWD Rest House at Dadh in Tehsil Palampur Distt. Kangra (H.P)(SH:- Providing E.I. therein).

Job No 5

ESTIMATED COST: Rs.1,09,129/-only.
EARNEST MONEY: Rs.2200/-only
TIME ALLOWED: Six Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with 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.					
	Group C.	10	1858	Rupees One Thousand Eight Hundred Fifty Eight Only	Per point.	18580
	Havells/KEI/Plaza make					
2	supplying and fixing following type of Surface mounted luminaire , white power coated CRCA housing diffuser to avoid glare, it should be compatible with specification i.e. Power Factor > 0.9, Harmonic Distortion < 10% and efficacy > 100 lumens per watt, CRI rating > 70 Suitable for input voltage AC 220-240 V , 50 Hz, Complete with all accessories , connections, testing and commissioning etc. as required with 5 years warranty					
	LED Batten light 40 W	2	2318	Rupees Two Thousand Three Hundred Eighteen Only	Each	4636
	Make Clair Cat. no. ZD-LTD010-40/ Bja/ Wipro					
3	Providing, Installation, testing and commissioning of ceiling fan BLDC with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required.					

	Ceiling Fan 1200 mm sweep, with 5 star rating .	2	4386	Rupees Four Thousand Three Hundred Eighty Six Only	Each	8772
	Makes :-Ceiling Fan 1200 mm sweep, Category-A usha 5 Star, Philips, Bajaj					
4	Providing and installation of 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 :-					
	Exhaust Fan, Light duty, (Domestic) 300 mm sweep (Usha, Bajaj, Crompton make)	1	2334	Rupees Two Thousand Three Hundred Thirty Four Only	Each	2334
	Gold Medal/Ankor make					
5	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.	7	591	Rupees Five Hundred Ninety One Only	Each.	4137
	L&T/Legrand/Schneider make					
6	Supplying and fixing suitable size G I box with modular plate and cover in front on surface or in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required.	5	760	Rupees Seven Hundred Sixty Only	Each.	3800
	L&T/Legrand/Schneider make					
7	Wiring for light/ power plug with 2X4 sq mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit along with 1 No 4 sq mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	18	478	Rupees Four Hundred Seventy Eight Only	P/Mtr.	8604
	Havells/KEI/Plaza make					
8	Wiring for light/ power plug with 4X4 sq mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit along with 2 Nos 4 sq mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	15	760	Rupees Seven Hundred Sixty Only	P/Mtr.	11400
	Havells/KEI/Plaza make					

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 steel conduit as required					
	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	20	401	Rupees Four Hundred One Only	P/Mtr.	8020
.	2x6Sqmm+ 1 X 6 sq. mm earth wire	15	664	Rupees Six Hundred Sixty Four Only	P/Mtr.	9960
	Havells/KEI/Plaza make					
10	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel PVC conduit as required					
	3x2.5 sq mm	5	172	Rupees One Hundred Seventy Two Only	P/Mtr.	860
	Havells/KEI/Plaza make					
11	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 link, earth bar, din-bar, interconnections, powder painted, including earthing etc. as required.- (But without MCB/RCCB/isolator)					
	Double door- 12 way	1	2326	Rupees Two Thousand Three Hundred Twenty Six Only	Each	2326
	L&T/Legrand/Schneider make					
12	Supplying and fixing of 6 amps to 32 amps rating, 240/415 volts, 10 kA 'C' curves, miniature circuit breaker suitable for inductive load of following poles in the existing miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections testing and commissioning etc. as required.-					
	6 Amp Single pole. Cat-A.	2	268	Rupees Two Hundred Sixty Eight Only	Each	536

	16 Amp Single pole. Cat-A.	5	268	Rupees Two Hundred Sixty Eight Only	Each	1340
	L&T/Legrand/Schneider make					
13	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	40 Amps. Cat-A.	1	504	Rupees Five Hundred Four Only	Each	504
	L&T/Legrand/Schneider make					
14	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	40 Amps. Cat-A.	1	2720	Rupees Two Thousand Seven Hundred Twenty Only	Each	2720
	L&T/Legrand/Schneider make					
15	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of Expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required:-					
	Geyser 25 Ltrs	1	10298	Rupees Ten Thousand Two Hundred Ninety Eight Only	Each	10298
	Make :- Usha,Bajaj, Crompton					

16	Supplying and fixing following type of LED Mirror light luminaire, white power coated CRCA housing diffuser to avoid glare, it should be compatible with specification i.e. Power Factor > 0.9, Harmonic Distribution < 10% and efficacy > 100 lumens per watt, CRI rating > 70 suitable for input voltage : AC 220-240 V, 50 Hz, complete with all accessories, connections, testing and commissioning etc. as required. with 5 year warranty					
	LED Mirror light 5 watt	1	406	Rupees Four Hundred Six Only	Each	406
	Make : Cat No. CCS-103-50-65-SL-DP-NWH/BAJAJ					
17	Providing and installation of LED fixture 15 W +/- 1 W LED Square Surface Mounted Downlighter Round Shape with minimum system lumen efficacy of 85 lm/W with and P.F > 0.95 with THD < 20%, CCT 6000 K, CRI 80, The LED with useful life of 50000 Hrs at L70. The input voltage range shall be 150V to 270V with 5 year warranty					
	Make:- Crompton/Bajaj/Wipro	4	2474	Rupees Two Thousand Four Hundred Seventy Four Only	Each	9896
	Total					109129

Make schedule of quantity checked and approved for 109129 only

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- C/o School of Nursing at Dr. RPGMC Kangra at Tanda in Distt. Kangra (H.P.) (SH: Providing balance work in Critical Care Skill lab/Simulation lab thereof)		Job No 6		ESTIMATED COST: Rs.3,41,336/-only. EARNEST MONEY: Rs.6900/-only TIME ALLOWED: Three Months		
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying and fixing of following sizes of PVC conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required complete in all respects.					
	25 mm. dia	250	80.00	Rupees Eighty Only	per metre	20000
2	Supplying and fixing of Surface Mount Modular box of 2 Module along with the accessories in surface / recessed as required for LAN connections.					
	2 module modular boxes	20	74.00	Rupees Seventy Four Only	Each	1480
3	Providing and drawing LAN cable CAT6 UTP LSZH, in existing PVC conduit/ casing and capping as required to have complete solution in all respects and to best satisfaction of engineer in charge.					
	LAN cable CAT6 UTP LSZH,	950	57.00	Rupees Fifty Seven Only	Per metres	54150
	(Makes:- Molex/Belden /Panduit / Corning/ Dlink)					
4	Providing and fixing Face plate duplex square plate, 86MMX86MM with plug in icons icon tree, write on labels in transparent plastic window-supplied with plate, should be UL listed, making connection, testing etc ,as required to have complete solution in all respects and to best staisfaction of engineer in charge.					
	Face plate duplex square plate, 86MMX86MM	20	110.00	Rupees One Hundred Ten Only	Each	2200
	(Makes:- Molex/Belden /Panduit / Corning/ Dlink)					

5	Supplying, installation, testing & commissioning of 1 GB SFP (Fiber) Module, LR, SM making connection, testing etc. as required to have complete solution in all respects and to best satisfaction of engineer in charge.	2	19314.00	Rupees Nineteen Thousand Three Hundred Fourteen Only	Each	38628
6	Providing and drawing fiber cable 6 core single mode conforming to specifications as required to have complete solution in all respects and to best satisfaction of engineer in charge.					
	Fiber Cable 6 core single mode	80	85.00	Rupees Eighty Five Only	Per Meter	6800
	(Makes:- Molex/Belden /Panduit / Corning/ Dlink)					
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 medium class PVC conduit as required.					
	4 X 16 sq. mm + 2 X 6 sq. mm earth wire	40	1785.00	Rupees One Thousand Seven Hundred Eighty Five Only	Each	71400
	(Makes:- KEI/Havells/Plaza)					
8	Providing, installation, testing & commissioning of wall fan of following sizes by means of suitable rag-bolt/ nuts, connections, testing and commissioning etc. as required complete in all respects.					
	Wall Fan 400 mm sweep	1	3053.00	Rupees Three Thousand Fifty Three Only	Each	3053
	(Makes:- KEI/Havells/Plaza)					
9	Supplying and fixing of LED flood light luminaire with the use of the latest technology 100 Watt (10000 lumens), 6500K made of CRCA housing and it should be compatible with specifications i.e. power factor ≥ 0.95 , harmonic distortion $\leq 10\%$ and efficacy ≥ 100 lumens per watt, CRI > 80 , suitable for input voltage AC 150-270V, 50/60 Hz complete with all accessories, connections, testing and commissioning etc.as required. With 5 year warranty.					
	LED 100 Watt Flood light	4	13402.00	Rupees Thirteen Thousand Four Hundred Two Only	Each	53608
	(Makes:- Wipro/Bajaj/Havells)					

10	Supply of 55" 4K UHD (3840x2160) Resolution, Brightness 400 cd/m2, Built in Android OS, LED display with built in 2.4 Ghz Wifi, 1.1 Ghz Built in Quad core processor, 2 GB DDR3 RAM, 16 GB Memory, built in Triple Mali 600 MHz GPU, with 2K HDR, Dolby Audio, Built in Wifi and Chromecast, Built in web browser, HDMI CEC, HDMI ARC, Built-in Bluetooth Ver.4, 20W built in speakers, HDMI 2.0 X 3, AV X 1, USB 2.0 X 1, RJ45 X 1, Headphone Out x 1, SPDIF Out x 1, Built in Chrome cast, In-built Capability to run Digital Signage Software of Same OEM, Display Should be capable to run boot up Web Browser in Offline/Online Mode, 24x7 Duty Cycle, as required complete in all respects.	1	73217.00	Rupees Seventy Three Thousand Two Hundred Seventeen Only	Each	73217
	LED Panel 55" Size					
	Makes:- Panasonic / Samsung / Christie					
11	Providing and fixing of IP20 LED Surface mounted CRCA Powder Coated Box type channel system with Pro LED Lamp suitable for mounting 1x40 W LED Tube T8 type having minimum efficacy of 100 lm/W, P.F.>0.95 with THD<10%, CCT 6500 K, CRI 80, Surge Protection range 2 kV. The LED with useful life of 50000 Hrs. at L70 with five years warranty. The Input voltage shall be 150V to 270V, 50/60 HZ along with all accessories, including connections, testing etc. as required complete in all respects.					
	LED Batten 40 Watt	6	2800.00	Rupees Two Thousand Eight Hundred Only	Each	16800
	Makes:- Clair/Havells/Bajaj					
	Total					341336

Self Schedule of quantity checked and approved for 341336 only

[Signature]
Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- R/M of E.I. to various Govt. Non residential building in Distt. Kangra under Electrical Sub-Division HPPWD Dharamshala Distt. Kangra(H.P.).

Job No 7

ESTIMATED COST: Rs 2,29,950/-only.
EARNEST MONEY: Rs.4600/-only
TIME ALLOWED: One Year

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Providing services of Peon on temporary in the Office of Superintending Engineer, Electrical Circle, HPPWD Dharamshala during working hours 10.00 AM to 5.00 P.M. or as & when required by the office in charge.	365	630.00	Rupees Six Hundred Thirty Only	Per Day	229950
	Total					229950
Terms And Condition:-						
1	The agency shall have to provide services as required in schedule of work.					
2	The services is required during normal working hours i.e. 10:00 AM to 5:00 PM or as required.					
3	The services have to be provided as per the directions of office-in-charge.					
4	The agency shall have to pay /provided minimum wages / rest / holiday as per HP State Govt. labour norms applicable for daily paid workers.					
5	Nothing extra shall have to pay / issued on account of liberties, T&P soap, duster etc.					
6	The services are required temporarily and can be terminated at any time without assigning any reason.					
7	Nothing extra shall have to paid for absent period.					
8	Nothing extra shall be made on monthly basis.					
9	The staff shall have to report daily to concerned office in-charge.					
10	Period of service depends upon the requirement of work and can be increased /decreased / terminated without assigning any reason.					
11	The worker should be fully insured.					

Dr. Schedule of Quantity checked and approved for 229950 only

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- R/M of E.I. to various Govt. Non residential building in Distt. Kangra under Electrical Sub-Division HPPWD Dharamshala Distt. Kangra(H.P.).

Job No ⑧

ESTIMATED COST: Rs 3,37,990/-only.
EARNEST MONEY: Rs.6800/-only
TIME ALLOWED: One Year

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Engagement of temporary basis of Computer Operator in the Office of Superintending Engineer, Electrical Circle, HPPWD Dharamshala during working hours 10.00 AM to 5.00 P.M. or as & when required by the office in charge.	365	926.00	Rupees Nine Hundred Twenty Six Only	Per Day	337990
	Total					337990
Terms And Condition:-						
1	The agency shall have to provide services as required in schedule of work.					
2	The services is required during normal working hours i.e. 10:00 AM to 5:00 PM or as required.					
3	The services have to be provided as per the directions of office-in-charge.					
4	The agency shall have to pay /provided minimum wages / rest / holiday as per HP State Govt. labour norms applicable for daily paid workers.					
5	Nothing extra shall have to pay / issued on account of liberties, T&P soap, duster etc.					
6	The services are required temporarily and can be terminated at any time without assigning any reason.					
7	Nothing extra shall have to paid for absent period.					
8	Nothing extra shall be made on monthly basis.					
9	The staff shall have to report daily to concerned office in-charge.					
10	Period of service depends upon the requirement of work and can be increased / decreased / terminated without assigning any reason.					
11	The worker should be fully insured.					

Doors Schedule of quantity checked and approved for 337990/-only

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

SCHEDULE OF QUANTITY						
Name of Work :- Replacement of Old and Damaged Batteries in the Meeting Hall for HP Cabinet in Dharamshala Distt. Kangra (H.P.).			ESTIMATED COST: Rs.1,90,176/-only. EARNEST MONEY: Rs.3900/-only TIME ALLOWED: Six Months			
			job No 29			
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying,erection,testing & commissioning of batteries having following capacity for UPS System etc. as required complete in all respects and to the best satisfaction of Engineer-in-Charge.					
	Lead Acid Battery 12 Volt 42 Ah Makes:- Exide/Quanta/Microtek	32	5943.00	Rupees Five Thousand Nine Hundred Forty Three Only	Each	190176
Total						190176

Discr Schedule of quantity checked and approved for 190176 only

Executive Engineer
 Electrical Division
 HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- Replacement of old and damaged ceiling fans of various wards at 4th floor (Male and Female medicine wards) , Medicine ICU of 500 Bedded Hospital Dr. RPGMC Tanda.

job No (10)

ESTIMATED COST: Rs.2,96,188/-only.
EARNEST MONEY: Rs.6000/-only
TIME ALLOWED: Three Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Providing installation testing and commissioning of BLDC ceiling fan with socket type regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible cotton braided copper cable including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required with five year warranty.	62	4386.00	Rupees Four Thousand Three Hundred Eighty Six Only	Each	271932
2	Providing installation testing and commissioning of wall fan of following size by means of Suitable rag-bolt/ nuts, connections, testing and commissioning etc. as required complete in all respects to the best satisfaction of Engineer-in - charge.	8	3032.00	Rupees Three Thousand Thirty Two Only	Each	24256
Total						296188
The Dismantal metrial deducted from the contractor that is Rs. 2962/- in the Final will						

Draft schedule of quantity checked and approved for ₹ 296188 only

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- C/o Doctor duty room of Trauma Centre near 2nd floor OT area 500 bedded hospital Dr. RPGMC Kangra at Tanda. (SH: Providing E.I. therein)

Job No **1**

ESTIMATED COST: Rs.2,54,704/-only.
EARNEST MONEY: Rs.5100/-only
TIME ALLOWED: Three Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.					
1.1	Group C.	12	1858.00	Rupees One Thousand Eight Hundred Fifty Eight Only	Per Point	22296
	Makes:- (KEI/Anchor/Plaza, L&T(Entice)/Legrand(Myrius)/Schneider(Livia)					
2	Wiring for circuit submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.					
2.1	2x1.5 Sq. mm.	22	340.00	Rupees Three Hundred Forty Only	Per Meter	7480
2.2	2x4 Sq. mm.	18	477.00	Rupees Four Hundred Seventy Seven Only	Per Meter	8586
2.3	4x4 Sq. mm.	22	779.00	Rupees Seven Hundred Seventy Nine Only	Per Meter	17138
2.4	4x16 Sq. mm.	40	2034.00	Rupees Two Thousand Thirty Four Only	Per Meter	81360
	(Make:-KEI / Anchor / Plaza)					

3	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel PVC conduit as required.					
3.1	3x1.5 Sq. mm. (Make:-KEI / Anchor / Plaza)	15 ✓	112.00	Rupees One Hundred Twelve Only	Per Meter	1680
4	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required. Makes:- Legrand/L&T/Schneider.	3 ✓	591.00	Rupees Five Hundred Ninety One Only	Each	1773
5	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required. Makes:- Legrand/L&T/Schneider.	6 ✓	760.00	Rupees Seven Hundred Sixty Only	Each	4560
6	Supplying and erection of 6 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. Single Pole. Cat-A.	8 ✓	268.00	Rupees Two Hundred Sixty Eight Only	Each	2144
6.1	Makes:- Legrand/L&T/Schneider.					
7	Supplying and fixing following rating, Four pole MCB, in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
7.1	4 Pole MCB 63 Amps. Cat-A. Makes:- Legrand/L&T/Schneider.	1 ✓	3005.00	Rupees Three Thousand Five Only	Each	3005
8	Supplying and fixing following rating, Four pole RCCB, residual current circuit breaker (RCCB), having a sensitivity current up to 300 miliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
8.1	Four pole RCCB 63 Amp Makes:- Legrand/L&T/Schneider.	1 ✓	7236.00	Rupees Seven Thousand Two Hundred Thirty Six Only	Each	7236

9	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's as required. (but without MCB's and incomer)					
9.1	8 Way (8+8+8), TPN, Vertical type, MCB DB, double door	1	7095.00	Rupees Seven Thousand Ninety Five Only	Each	7095
	Makes:- Legrand/L&T/Schneider.					
10	Providing, Installation, testing and commissioning of ceiling fan BLDC with step type electronic regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required:-					
10.1	Ceiling Fan 1200 mm sweep, Cat.-A	3	4386.00	Rupees Four Thousand Three Hundred Eighty Six Only	Each	13158
	Makes:- Usha/Bajaj / Crompton					
11	Supplying and fixing recess mounting square panel 2'x2' suitable for recessed application with the use of latest technology 36 Watt (3600 lumens) having CCT 5700K and it should be compatible with specifications i.e. power factor ≥ 0.9 , harmonic distortion $\leq 10\%$ and efficacy ≥ 100 lumens per watt, CRI > 80 . The LED with Useful life of 50000 Hrs at L70 with five years warranty. The Input voltage range shall be 150V to 270V, 50/60 HZ complete with all accessories, including connections, testing and commissioning etc. as required complete in all respects.					
11.1	36 Watt LED, 2'x2' Recess mounted panel	9	4527.00	Rupees Four Thousand Five Hundred Twenty Seven Only	Each	40743
	Makes:- Panasonic/Wipro/Philips					
12	Dismantling, re-installation, testing and commissioning of 1.5/2 Ton capacity split type air-conditioning outdoor units as required complete in all respects and as per directions of Engineer-in-charge.	5	3000.00	Rupees Three Thousand Only	Each	15000

13	Providing and fixing of M.S. Outdoor heavy duty stand powder coated suitable to hang 1.5 T.R./2 T.R. split type A.C. with six nos. angle bolts as required complete in all respects and as per directions of Engineer-in-charge.	3	950.00	Rupees Nine Hundred Fifty Only	Each	2850
14	Replenishment/charging/topping-up of refrigerant R-22(Gas) in 1.5/2 Ton capacity split type air-conditioning outdoor units as required complete in all respects and as per directions of Engineer-in-charge.	2	2200.00	Rupees Two Thousand Two Hundred Only	Per Kg	4400
15	Supplying & fixing of extra copper tubes for refrigerant and condensate in following capacity A.C. units of following required size with insulation and wiring with suitable size of HRFRLS copper conduction single core as required complete in all respects.	1				
15.1	Copper tubing 5/8" - 1/4"	12	850.00	Rupees Eight Hundred Fifty Only	Per Meter	10200
16	Supplying and fixing of 25mm dia of PVC drain pipe along with the accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.	20	200.00	Rupees Two Hundred Only	Per Meter	4000
	Total					254704

MSR Schedule of quantity checked and approved for 25/4/2024

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- Providing and laying Armoured cable , Sub-mains wire ,Main Electrical Panel In HP PWD Rest House Baijnath Tehsil Baijnath Distt. Kangra (H.P.) (S.H:- Providing E.I. therein.)		job No 18		ESTIMATED COST: Rs.4,84,393/-only. EARNEST MONEY: Rs.9700/-only TIME ALLOWED: Six Months		
SR. NO.	DESCRIPTION	QTY.	FIGURES	RATES	UNIT	AMOUNT
				WORDS		
1	Supplying and fixing of following sizes of steel conduit along with the accessories in surface / recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required:-					
	25 mm. dia	100	265	Rupees Two Hundred Sixty Five Only	Per point.	26500
	SC/KE/Plaza make					
2	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required.					
	PVC insulated HRRF LS Copper conductor 1.5 Sq. mm.					
i	2x1.5 Sq. mm.	55	78	Rupees Seventy Eight Only	P/Mtr.	4290
ii	4x1.5 Sq. mm.	55	133	Rupees One Hundred Thirty Three Only	P/Mtr.	7315
iii	6x1.5 Sq. mm.	53	199	Rupees One Hundred Ninety Nine Only	P/Mtr.	10547
3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required					
i	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	32	657	Rupees Six Hundred Fifty Seven Only	P/Mtr.	21024
ii	4 X 6 sq. mm + 1 X 6 sq. mm earth wire	48	1072	Rupees One Thousand Seventy Two Only	P/Mtr.	51456

iii	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	25	793	Rupees Seven Hundred Ninety Three Only	P/Mtr.	19825
iv	4 X 10 sq. mm + 2 X 6 sq. mm earth wire	15	1336	Rupees One Thousand Three Hundred Thirty Six Only	P/Mtr.	20040
	SCI/KEI/Plaza make					
4	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 1 Nos 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	37	755	Rupees Seven Hundred Fifty Five Only	P/Mtr.	27935
	SCI/KEI/Plaza make					
5	Providing and laying of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade direct in ground; to be laid 1 meter below the ground level including excavation sand cushioning, protective covering and refilling the trench etc. of the required size:-					
	SCI/KEI/Plaza make					
6	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:-					
	SCI/KEI/Plaza make					
7	Providing, Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required. with not less than 3 rated star.					
	Ceiling Fan 1200 mm sweep, Category-A	5	3191	Rupees Three Thousand One Hundred Ninety One Only	Each	15955
	Makes :- Ceiling Fan 1200 mm sweep, Category-A usha Technix Plus 3 Star, Philips, Bajaj					

8	Providing and installation of LED fixture 15 W +/- 1 W LED Square Surface Mounted Downlighter Round Shape with minimum system lumen efficacy of 85 lm/W with and P. F $\geq$ 0.95 with THD <20%, CCT 6000 K, CRI 80, The LED with useful life of 50000 Hrs at L70. The input voltage range shall be 150V to 270V with 5 years warranty					
	LED Surface mounting round downlighter 15 watt	4	1904	Rupees One Thousand Nine Hundred Four Only	Each	7616
	Makes :- Wipro (Cat No :- LL20-281-xxx-AL-1/Philips/Bajaj)					
9	Providing and installation of 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:-					
	Exhaust Fan, Light duty, (Domestic) 300 mm sweep (Usha,Bajaj,Crompton make)	3	2269	Rupees Two Thousand Two Hundred Sixty Nine Only	Each	6807
10	supplying and fixing following type of Surface mounted luminaire , white power coated CRCA housing diffuser to avoid glare, it should be compatible with specification i.e. Power Factor > 0.9, Harmonic Distortion < 10% and efficacy > 100 lumens per watt, CRI rating > 70 Suitable for input voltage AC 220-240 V , 50 Hz, Complete with all accessories , connections,testing and commissioning etc. as required with 5 years warranty					
	LED Batten light 20 W	4	761	Rupees Seven Hundred Sixty One Only	Each	3044
	Make Crompton Cat. no. CCS-100-20-65-HL2-DP-NWH/ Bajaj/ Wipro					
11	Providing and installation of LED fixture 600mmx600mm 36 W +/- 1 W LED with Surface Mounted with PMMA diffuser with having minimum system lumen system efficacy 100 lm/W with CRCA housing and PMMA Diffuser with P. F $\geq$ 0.95 with THD <10%, CCT 5700 K, CRI 80, The LED shall be tested with LM80-08 standered with useful life of 50000 Hrs at L70. The input voltage range shall be 150V to 270V . with 5 years warranty	2	4228	Rupees Four Thousand Two Hundred Twenty Eight Only	Each	8456
	Makes :- Wipro (Cat. No.:-CRCO10S038HP57G1L1) Philips/Bajaj					

12	Supplying, Installation, Testing and Commissioning of indoor s/door, Cubical type L.T. Panel. The Panel shall be compartmentalized type having space and arrangement for incoming and outgoing cables/bus ducting, switchgear, insulated and properly supported compartmentalized bus-bars, interconnection between bus bars and switchgear with auxiliary bus bars/insulated conductors/strips etc. It shall be fabricated in 16G CRCA sheet, base frame 40X40X5MM angle duly painted with Siemens Grey Powder Coated paint as per specification Approximate Size of Panel H-1200 X W-1650 X D-350MM L 300 mm. Assembly Charges of 250A 4 strip copper Busbar (Vertical) & Horizontal & Earth strip throughout the length of Panel (current density of Aluminium Busbar shall be 1mmx1mm=1.66 Amp.) Copper shall be Electric Grad , Busbar supports shall be DMC epoxy Insulators. All Busbars Links shall be covered/ insulated with Heat Shrinkable sleeves of coloured coded Red, Yellow, Blue & Black. Assembly Charges of Copper solid/ Copper flexible wire interconnection Busbar to MCCB/ SWITCH & MCCB/ SWITCH to field side for Cable termination duly covered/ insulated with Heat Shrinkable sleeves of coloured coded Red, Yellow, Blue & Black. All Interconnections of fields side are supported by conical, L & Finger type insulators of adequate size to support & sustain the weight of cables. Control Wiring with Copper Flexible Wire (size of control wire shall be 2.5 sq. mm copper flexible for C.T. Circuit & 1.0 sq. mm for Control & 1.0sq. mm for Scada Wiring) with thimbles printed sleeves, tie & belt etc. Assembly Charges of Accessories like Gasket, Doorlocks, Copper Flexible door earth, legend plates etc. and the panel should be approved / tested from the CPRI lab and should be confirm to I.S. 64139(EVA make or its equivalent approved make)					
	The panel shall include the following switchgear & accessories as per the Make of L&T, ABB, Legrand, Hager.					
	MATERIAL:					
	Incomer					
	MCCB 250 A 4p 36 KA TMR with O/L & S/C . E/F protection (1No.)					
	Spreader link MCCB 200 A 4p (2 Nos.)					
	Digital Metering Set (Detail Below)					
	Amp. Meter 96X96mm . 1 No.					
	Volt Meter 96X96mm . 1 No.					

	Ammemeter Selector Switch . 1 No.					
	Volt Meter Selector Switch . 1 No.					
	Current Transformer . 3 Nos.					
	Phase indicator lamp . 3 Nos.					
	Control SP MCB 3 Nos.					
	Terminal Strip . 1 No.					
	OUTGOING :					
	Indication Lamp LED Type (3 Nos.)					
	SP MCB 6A 10 KA 3 Nos.)					
	OUTGOING :					
	MCCB 63 A 4p 25KA TMR with O/L & S/C . E/F protection (5No.)					
	Spreader link MCCB 63 A 4p (10 Nos.)					
	Space for 12 way D.B (1 No.)					
	N Link & E/Bar					
	All interconnections of fields side are supported by conical, L & finger type insulators of adequate size to support & sustain the weight of cables, Control wiring with copper flexible FRLS wire with thimbles, printed sleeves, tie & belt etc;					
	The prices of complete job as per the specifications above shall be inclusive of gasket, doorlocks, reading glass, wooden, copper flexible door earth, legend plates etc,					
	The prices of complete job as per the specifications above shall be inclusive of gasket, doorlocks, reading glass, wooden, copper flexible door earth, legend plates etc,	1	253583	Rupees Two Lacs Fifty Three Thousand Five Hundred Eighty Three Only	Per Job	253583
	Total					484393

Draft Schedule of quantity quoted and approved for 484393 only


 Executive Engineer
 Electrical Division
 HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- Providing and fixing LED street light in HPPWD Rest House at Bajinath Tehsil Bajinath Distt. Kangra (H.P.)		Job No 13		ESTIMATED COST: Rs.1,55,633/-only. EARNEST MONEY: Rs.3200/-only TIME ALLOWED: Two Weeks		
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Providing and erection of LED 40 watt PRECENT street light luminaries of LuxMax Electric having cat No. PT-155A , powder coated pressure die-cast aluminium and Spun Housing streetlight with heat resistant toughened glass it should be compatible with specification i.e. power factor ≥ 0.90, Harmonic Distortion < 10% and efficiency ≥ 100 Lumens per watt, CRI rating> 70 suitable for input voltage: AC 100-270 V, 50 Hz, with 5- years warranty including connection, testing and commissioning etc. as required.					
	LED Street light 40 watt	12	12335	Rupees Twelve Thousand Three Hundred Thirty Five Only	Per point.	148020
2	Providing and laying of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade direct in ground; to be laid 1 meter below the ground level including excavation sand cushioning, protective covering and refilling the trench etc. of the required size:-					
	Armoured cable 6 sq. mm (twin core)	17.50	435	Rupees Four Hundred Thirty Five Only	P/Mtr	7613
	Havells/KEI/Plaza make					
	Total					155633

Bajinath Schedule of quantity checked and approved for Rs.1,55,633/-only


 Executive Engineer
 Electrical Division
 HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- R/M of N.R.Govt. Buildings under ESD Palampur in Tehsil Palampur Distt. Kangra HP (SH:- Providing Stationary Articles).						ESTIMATED COST: Rs.3,19,798/-only.	
						EARNEST MONEY: Rs.6400/-only	
						TIME ALLOWED: One Month	
SR. NO.	DESCRIPTION	QTY.	job No				AMOUNT
			FIGURES	RATES	WORDS	UNIT	
1	Supplying of Printed Stationary Articles as mentioned below						
A	Schedule Docket 500 Pages 1 Pad	5	1360.00	Rupees One Thousand Three Hundred Sixty Only		Each	6800
B	Muster roll	300	23.00	Rupees Twenty Three Only		Each	6900
C	Tender documents 7/8/130 Pages	1600	160.00	Rupees One Hundred Sixty Only		Each	256000
D	Agreement Register (200 Pages)	2	1589.00	Rupees One Thousand Five Hundred Eighty Nine Only		Each	3178
E	Security Register	2	1710.00	Rupees One Thousand Seven Hundred Ten Only		Each	3420
F	Aggrement File Cover	1500	29.00	Rupees Twenty Nine Only		Each	43500
	Total						319798

Doct signed by quantity checked and approved by
R 319798/15

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- C/O Govt. Sr. Sec. School at Chaltwara, Tehsil Jawali, Distt. Kangra (HP) (SH :- Providing E.I. in First Floor (Balance work) and Second Floor therein.)

job No

ESTIMATED COST: Rs.3,89,868/-only.
EARNEST MONEY: Rs.7800/-only
TIME ALLOWED: One year

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Make:- KEI/Plaza/Anchor (Penta)/ Havells(Reo)/SSK.					
i)	Group C.	70	1712.00	Rupees One Thousand Seven Hundred Twelve Only	Point	119840
2	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, 2 way piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Make: KEI/Plaza/Anchor Anchor (Penta)/ Havells(Reo)/SSK.					
i)	Group C.	1	1735.00	Rupees One Thousand Seven Hundred Thirty Five Only	Point	1735
3	Wiring for light plug with 2x1.5 Sq. mm. FRLS PVC insulated copper conductor single core cable in surface/recessed steel conduit along with 1 No.1.5 Sq.mm. FRLS/PVC insulated copper conductor single core cable for loop earthing as required. Make: KEI/Plaza/Anchor	50	336.00	Rupees Three Hundred Thirty Six Only	Meter	16800

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 steel conduit as required. Make: KEI/Plaza/Anchor.					
i)	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	88	335.00	Rupees Three Hundred Thirty Five Only	Meter	29480
ii)	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	6	793.00	Rupees Seven Hundred Ninety Three Only	Meter	4758
5	Wiring for power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required. Make: KEI/Plaza/Anchor.	65	473.00	Rupees Four Hundred Seventy Three Only	Meter	30745
6	Wiring for power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 2 Nos 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required. Make: KEI/Plaza/Anchor.	26	755.00	Rupees Seven Hundred Fifty Five Only	Meter	19630
7	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required. (Make: Sidharth/BEC)					
i)	25 mm. dia	10	265.00	Rupees Two Hundred Sixty Five Only	Meter	2650
8	Supplying and fixing of following sizes of PVC conduit of medium class with 1.4 mm thickness along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required:- (Make: BEC Plast/Anchor)					
i)	25 mm. dia	2	113.00	Rupees One Hundred Thirteen Only	Meter	226

9	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: KEI/Plaza/Anchor.					
i)	3 x 1.5 sq. mm	10	111.00	Rupees One Hundred Eleven Only	Meter	1110
10	Supplying and fixing 6 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
i)	Single pole (Make:-Schneider/ Legrand/L&T)	9	265.00	Rupees Two Hundred Sixty Five Only	each	2385
11	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
i)	63 Amps. (Make:- Schneider/ Legrand/L&T)	1	616.00	Rupees Six Hundred Sixteen Only	each	616
12	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
i)	63 Amps. (Make:- Schneider/ Legrand/L&T)	1	3616.00	Rupees Three Thousand Six Hundred Sixteen Only	each	3616
13	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/isolator)					
iii)	Double door-16 way (Make:- Schneider/ Legrand/L&T)	1	2954.00	Rupees Two Thousand Nine Hundred Fifty Four Only	each	2954

14	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	6	45.00	Rupees Forty Five Only	Meter	270
15	Providing, Installation, testing and commissioning of ceiling fan ISI mark with electronic fan regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required.			Rupees Two Thousand Eight Hundred Sixty Nine Only	each	80332
i)	Ceiling Fan 1200 mm sweep, (Make: Usha, Model: Energia ISI)/Bajaj(Model: Sabse Tezz Kassels)/Crompton(Model: WWHE).	28	2869.00	Rupees Two Thousand Eight Hundred Sixty Nine Only	each	80332
16	Providing and installation of following type of Square/Round type surface mounted LED Downlight luminaire CCT(K)- 6000 white power coated CRCA housing diffuser to avoid glare with specifications i.e. Power factor > 0.9, Harmonic distortion < 10% and efficacy > 100 lumens per watt, CRI rating>80 suitable for input voltage AC 220-240V, 50/60 HZ complete with all accessories, including connections, testing and commissioning etc. as required complete in all respects.					
i)	LED Downlighter 15 watt (Jaquar cat no. LNRP02R01SC)/Bajaj/Crompton	15	1432.00	Rupees One Thousand Four Hundred Thirty Two Only	each	21480
17	Supplying & fixing following type of Surface mounted luminaires, white power coated CRCA housing diffuser to avoid glare, it should be compatible with specification i.e. Power Factor > 0.9, Harmonic Distortion < 10% and efficacy ≥100 Lumens per watt, CRI rating >70 suitable for input voltage: AC 220-240 V, 50 Hz, complete with all accessories, connections, testing and commissioning etc. as required.					
i)	LED Batten 20W, 4 feet long Make: (Make: Bajaj, cat no.BCLAB 20W LED P Y/ Philips/Panasonic.	44	1044.00	Rupees One Thousand Forty Four Only	each	45936

18	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 including providing and fixing 3 pin 5/6 amps socket outlet and 5/6 amps piano type switch, connection, painting etc. as required. Make: Anchor/SSK	3	290.00	Rupees Two Hundred Ninety Only	each	870
19	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 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. Make: Anchor/SSK	2	485.00	Rupees Four Hundred Eighty Five Only	each	970
20	Supplying and fixing metal box of 200mmX150mmX75mm (nominal size) on surface or on recess with suitable size of phenolic laminated sheet cover, including providing and fixing 3 Nos. 3 pin 5/6 amps socket outlet and 5/6 amps piano type switch, connection, painting etc. as required. (For light plugs to be used in non residential buildings).	7	495.00	Rupees Four Hundred Ninety Five Only	each	3465
Total						389868

Doel schedule of quantity checked and approved
with 389868/-

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- Repair and Maintenance of under ground water tank and fire pump house in Auditorium Building, Dr. RPGMC Kangra at Tanda Distt. Kangra (H.P.) (SH: Providing Drain, waterproofing system, starter panel etc. thereof)						
SR. NO.	DESCRIPTION	QTY.	Job No 16		ESTIMATED COST: Rs.4,52,103/-only EARNEST MONEY: Rs.9100/-only TIME ALLOWED: Three Months	
			FIGURES	RATES WORDS	UNIT	AMOUNT
1	Providing Drain the old Reserve Water and Cleaning the Mud water from the underground water Tank for the Fire Fighting System Capacity 1 Lac litrs. Complete in all Respect and to the best satisfaction of Engineer-in-charge.	1	15000.00	Rupees Fifteen Thousand Only	Each	15000
	Makes:- Zoloto/Sant/Leader.					
2	Providing, fixing, groating and Waterproofing System for the Old Underground Water Tank for the Fighting System. Capacity 1 Lac Litrs. t) as required complete in all respects and to the best satisfaction of Engineer-in-charge.	1500	100.00	Rupees One Hundred Only	Each	150000
	Makes:- Zoloto/Sant/Leader.					
3	Providing, fixing, testing and commissioning of Perched air vessel (size 450 mm dia & 2000 mm height) for pressurization of hydrant / sprinkler system complete with adequate pressure switches (as per design / requirement) with valves to operate as per operating sequences including 25 mm dia drain valve, air release valve with stop cock on the top, minimum 50 mm dia inlet with isolating valve duly painted from inside and outside with two coats of synthetic enamel paint over a coat of primer complete as required and Suitable cement concrete foundation with plaster, along with all necessary floor supporting stand and foundation arrangement (Vessel should be suitable for rated working pressure) as required complete in all respects and to the best satisfaction of Engineer-in-charge.	1	57500.00	Rupees Fifty Seven Thousand Five Hundred Only	Each	57500
4	Dismantling the M.S Pipe for the Use in Fire Fighting Pumps Suction line and Main Header t with ailed Accessories Complete in all Respect and to the best satisfaction of Engineer-in-charge.	1	15000.00	Rupees Fifteen Thousand Only	Each	15000

5	Providing, laying, jointing, testing and commissioning of following sizes of MS 'C' Class (Heavy duty) pipes conforming to IS-1239 with all fittings (standard MS fitting with welded joint shall be used on the pipes) including tees, elbows, reducers, union, flanges, rubber gaskets, GI nuts bolts, washer including supporting/fixing the pipe on floor / wall / ceiling with clamps, hangers (using anchor fasteners) as per specification. including cutting holes and chases in brick, RCC work and making good the same to original conditions complete in all respects. All hangers, clamps, brackets etc. shall be of iron unless specified otherwise and then supply of the same shall also be included for rates under this head. Welding of any kind on the galvanized support / hanger shall not be permitted including synthetic enamel paint of approved shade over a coat of zinc primer. Prior to application of primer the surface should be cleaned dirt, rusts, rough substance etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.					
5.1	25mm dia pipe	3	612.00	Rupees Six Hundred Twelve Only	Per Meter	1836
5.2	80mm dia pipe	4	1837.00	Rupees One Thousand Eight Hundred Thirty Seven Only	Per Meter	7348
5.3	150 mm dia pipe	6	3792.00	Rupees Three Thousand Seven Hundred Ninety Two Only	Per Meter	22752
	Makes:- Jindal/B.S.T./Surya Tube.					
6	Providing two coats of synthetic enamel paint of approved shade over a coat of primer. Prior to application of primer the surface should be cleaned for any dirt, rusts, rough substance etc. Including painting of legends both direction arrow as per the approval of the Project Manager as required complete in all respects and to the best satisfaction of Engineer-in-charge.					
6.1	25mm dia pipe	3	55.00	Rupees Fifty Five Only	Per Meter	165

6.2	80 mm dia pipe	4	80.00	Rupees Eighty Only	Per Meter	320
6.3	150mm dia pipe	6	95.00	Rupees Ninety Five Only	Per Meter	570
7	Providing & Fixing of burden type Stainless Steel dial type pressure gauge with brass isolation valve and pipe of 100 mm dia with Calibration: 0-20 Kg/cm ² as required complete in all respects and to the best satisfaction of Engineer-in-charge.	3	2700.00	Rupees Two Thousand Seven Hundred Only	Each	8100
	Make: H Guru, Bell, Fiebig					
8	Supply, installation, testing and commissioning of Pressure switch for fire pumps of approved make, including necessary wiring and cut off valve up to central panel & other material as described in specifications.	3	7500.00	Rupees Seven Thousand Five Hundred Only	Each	22500
	Make: Indfloss / System Sensor					
9	Providing & fixing ball valve 25mm dia. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	2	1574.00	Rupees One Thousand Five Hundred Seventy Four Only	Each	3148
	Make: San/Zoloto/Advance					
10	Providing Cast iron /steel Butterfly Valve Confirming to type P.N 1.6 of I.S 13095-1991 Complete with Flanges bolt, nuts, gasket etc. As per table 'E' specification complete in all respect hydraulically test to 20 K/sqcm. as required complete in all respects and to the best satisfaction of Engineer-in-charge.					
10.1	80 mm Dia	2	5338.00	Rupees Five Thousand Three Hundred Thirty Eight Only	Each	10676
10.2	150 mm Dia	4	9361.00	Rupees Nine Thousand Three Hundred Sixty One Only	Each	37444
	Makes: -Zoloto/San/Audco					

11	Providing and fixing Cast Iron dual plated Check Valve (NRV) horizontal type with gunmetal seat non-return valve confirming to class - I of IS : 5312 including nuts, bolts, 1.5 mm thick compressed asbestos gasket as per table "E" and specifications as required complete in all respects and to the best satisfaction of Engineer-in-charge.					
11.2	80 mm Dia	1	7952.00	Rupees Seven Thousand Nine Hundred Fifty Two Only	Each	7952
11.3	150 mm Dia	2	14546.00	Rupees Fourteen Thousand Five Hundred Forty Six Only	Each	29092
12	Replacement of Old and Damage Fuel Tank for the Deisel Engine Pump 100 Litrs Capacity.	1	12500.00	Rupees Twelve Thousand Five Hundred Only	Each	12500
13	Replacement of old and Damage slater Panel for the Diesel Engine Complete in all respect as required	1	25000.00	Rupees Twenty Five Thousand Only	Each	25000
14	Providing Core Cutting Hole 8 inch size for the Water Tank for internal and Outer inlet and Outlet Connection for the Fighting system complete in all respect.	6	2000.00	Rupees Two Thousand Only	Each	12000
15	Providing and Fixing of M.S Flange for the following size as required complete in all respect					
15.1	80 mm dia	6	600.00	Rupees Six Hundred Only	Each	3600
15.1	150 mm dia	12	800.00	Rupees Eight Hundred Only	Each	9600
	Total					452103
The Dismental metrial deducted from the contractor that is Rs. 9042/- in the Final will						

Done & scheduled quantity checked and approved with 452103/-

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- Replacement of damaged flood lights to Badminton and Basket Ball court near Main Girls Hostel Dr. R.P. Govt. Medical College Tanda in Dist. Kangra (H.P.)

Job No

ESTIMATED COST: Rs.1,30,328/-only.
EARNEST MONEY: Rs.2700/-only
TIME ALLOWED: Three Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying and fixing of LED flood light luminaire with the use of the latest technology 100 Watt 6500K made of pressure die cast aluminium housing powder coated with weather proof gasket ensuring IP65, Heat resistant toughened glass, optics controlled beam with lenses, and it should be compatible with specifications i.e. power factor ≥ 0.95 , harmonic distortion $\leq 10\%$ and efficacy ≥ 120 lumens per watt, CRI > 70 , suitable for input voltage AC 120-270V, 50/60 Hz complete with all accessories, connections, testing and commissioning etc.as required.					
1.1	LED Flood Light 100 Watt	12	9170.00	Rupees Nine Thousand One Hundred Seventy Only	Each	110040
	Makes:- Twinkle / Panasonic/Wipro					
2	Providing & laying of one number aluminium conductor, PVC insulated and PVC sheathed armoured/ XLPE power cable, 1.1 KV grade of following sizes direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.					
2.1	Armoured Cable 10 Sq.mm. (2 core)	20	422.00	Rupees Four Hundred Twenty Two Only	Per Meter	8440
	Makes:- KEI / Havells / Plaza					
3	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required.					

3.1	3x1.5 Sq. mm.	25	112.00	Rupees One Hundred Twelve Only	Per Meter	2800
	Makes:- KEI / Anchor / Plaza					
4	Supplying and erection of 6 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:-	6	268.00	Rupees Two Hundred Sixty Eight Only	Each	1608
4.1	Single Pole. Cat-A.					
	Makes:- L&T / Legrand / Schneider					
5	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
5.1	63 Amp. Double pole. Cat-A.	12	620.00	Rupees Six Hundred Twenty Only	Each	7440
	Makes:- L&T / Legrand / Schneider					
	Total					130328

Draft Schedule of quantities checked and approved for 130328 only

Exec  Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- Replacement of geyser thermostat, geyser elements and power switch-sockets etc. in various hostels, Guest House and Paraclinic Block of Dr. RPGMC Kangra at Tanda.				job No		ESTIMATED COST: Rs.1,76,950/-only. EARNEST MONEY: Rs.3600/-only TIME ALLOWED: Three Months	
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT	
			FIGURES	WORDS			
1	Supplying and fixing of elements for geysers having different capacity as required complete in all respects and to the best satisfaction of Engineer-in-charge.	80	1100.00	Rupees One Thousand One Hundred Only	Each	88000	
2	Supplying and fixing of thermostat for geysers having different capacity as required complete in all respects and to the best satisfaction of Engineer-in-Charge.	85	600.00	Rupees Six Hundred Only	Each	51000	
3	Supplying and fixing of glass incandescent indicator lamp for geysers having different capacity as required complete in all respects and to the best satisfaction of Engineer-in-charge.	18	70.00	Rupees Seventy Only	Each	1260	
4	Supplying and fixing following rating Piano-type switch /socket on the existing switch box / cover including connections etc. as required.						
4.1	S.P. 15/16 Amps one way switch, porcelain base/ piano type	133	130.00	Rupees One Hundred Thirty Only	Each	17290	
4.2	6 pin 15/16 Amps socket outlet, porcelain base/ piano type	105	130.00	Rupees One Hundred Thirty Only	Each	13650	
4.3	3 pin 15/16 Amps plug top	46	125.00	Rupees One Hundred Twenty Five Only	Each	5750	
Total						176950	

Drift Schedule of quantity checked and approved for 176950 only

Executive Engineer
Electrical Division
HPWDPalampur

SCHEDULE OF QUANTITY

Name of Work :- Repair and Maintenance of 01 No. 500 KVA DG Set No-II and allied equipments, AMF Panel etc. installed in Basement Floor, Main Panel Room of 500 Bedded Hospital Dr. RPGMC Kangra at Tanda for the year 2024-25.

Job No

ESTIMATED COST: Rs.2,69,284/-only.
EARNEST MONEY: Rs.5400/-only
TIME ALLOWED: One Year

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Repair and maintenance (Routine & Preventive) of 500 KVA DG Set with 01 No. quarterly services or after 250 running hours wherever is earlier for a defect liability period of one year including replacement fuel filter Lubricating oil filter, Super bye pass filter air cleaner, Coolant, Lubricating oil etc. as required and also emergency break down call attending service including following minor repair and replacement of spare parts/accessories with material in the presence of qualified Engineer/Supervisor of authorized company etc. as required complete in all respects.	1	269284.00	Rupees Two Lacs Sixty Nine Thousand Two Hundred Eighty Four Only	Per Job	269284
i)	Engine:- Minor Repair of engine such as changing of fuel pipes, V-belts, level indicators, pipes oil filters, battery leads, battery thimbles, self & alternators (battery charger) repairs etc. including emergency visits/labour.					
ii)	Panel:- Minor repair of panel such as selector switch, Ampere meter, Volt meter, starting switch, stopping switch, MCB for control wiring, OEN relays, fuse's etc. including labour charges.					
iii)	Battery:- Replacement of battery as per the requirement of site of Exide make (as per conforming standard) including labour charges.					
	Total					269284

Dr. J. S. Schedule of Quantity checked and approved for 269284/-

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- Replacement of old defective spare parts i.e. PCB card assembly, display controller etc. of 250 kVA DG Set installed in Auditorium Building, Dr. RPGMC Kangra at Tanda.

Job No

ESTIMATED COST: Rs.2,47,463/-only.
EARNEST MONEY: Rs.5000/-only
TIME ALLOWED: One Month

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying & fixing of following spare parts suitable for 250 kVA DG Set for operation of DG set in automatic mode so that the generator will automatically turn on and begin providing power to the premises in response to an outage event as required complete in all respects and to the best satisfaction of Engineer-in-charge.	1	247463.00	Rupees Two Lacs Forty Seven Thousand Four Hundred Sixty Three Only	Per Job	247463
1.1	PCB Card Assembly					
	01 No.					
1.2	Display Controller					
	01 No.					
1.3	Control Relays					
	01 No.					
1.4	Battery Charger 16A, 24 watts					
	01 No.					
1.5	Door Hings					
	10 Pcs.					
1.6	Callibration of cord & controller					
	01 No.					
1.7	Repairing of control wiring					
	01 No.					
1.8	Labour charges L-S					
	Total					247463

Self Schedule of quantity checked and approved for ₹247463/-only


 Executive Engineer
 Electrical Division
 HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- Repair & Maintenance of 01 No. 750 KVA D.G. Set No. 1 installed in Super Specialty Block at Dr. RPGMC Kangra at Tanda for the year 2024-25.		Job No		ESTIMATED COST: Rs.3,66,669/-only. EARNEST MONEY: Rs.7400/-only TIME ALLOWED: One Year		
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Repair and maintenance (Routine & Preventive) of 01 No. 750 KVA DG Set with 01 No. quarterly services or after 250 running hours wherever is earlier for a defect liability period of one year including replacement of Fuel Filter, lubricating oil filter, super bye pass filter, air cleaner, coolant, lubricating oil, etc. as required and also emergency break down call attending service including following minor repair and replacement of spare parts/accessories with material in the presence of qualified Engineer/Supervisor of authorized company etc. as required complete in all respects.	1	366669.00	Rupees Three Lacs Sixty Six Thousand Six Hundred Sixty Nine Only	Per Job	366669
1.1	Engine:- Minor Repair of engine such as changing of fuel pipes, V-belts, level indicators, pipes oil filters, battery leads, battery thimbles, self & alternators (battery charger) repairs etc. including emergency visits/labour.					
1.2	Panel:- Minor repair of panel such as selector switch, Ampere meter, Volt meter, starting switch, stopping switch, MCB for control wiring, OEN relays, fuse's etc. including labour charges.					
1.3	Battery:- Replacement of battery as per the requirement of site of Exide or equivalent make (as per conforming standard) including labour charges.					
Total						366669

Draft Schedule of quantity checked and approved for ₹. 366669 only

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 Executive Engineer
 Electrical Division
 HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- Repair and Maintenance of 01 No. 500 KVA DG Set No-1 and allied equipments, AMF Panel etc. installed in Basement Floor, Main Panel Room of 500 Bedded Hospital Dr. RPGMC Kangra at Tanda for the year 2024-25.		Job No		ESTIMATED COST: Rs.2,69,284/-only. EARNEST MONEY: Rs.5400/-only TIME ALLOWED: One Year		
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Repair and maintenance (Routine & Preventive) of 500 KVA DG Set with 01 No. quarterly services or after 250 running hours wherever is earlier for a defect liability period of one year including replacement fuel filter Lubricating oil filter, Super bye pass filter air cleaner, Coolant, Lubricating oil etc. as required and also emergency break down call attending service including following minor repair and replacement of spare parts/accessories with material in the presence of qualified Engineer/Supervisor of authorized company etc. as required complete in all respects.	1	269284.00	Rupees Two Lacs Sixty Nine Thousand Two Hundred Eighty Four Only	Per Job	269284
i)	Engine:- Minor Repair of engine such as changing of fuel pipes, V-belts, level indicators, pipes oil filters, battery leads, battery thimbles, self & alternators (battery charger) repairs etc. including emergency visits/labour.					
ii)	Panel:- Minor repair of panel such as selector switch, Ampere meter, Volt meter, starting switch, stopping switch, MCB for control wiring, OEN relays, fuse's etc. including labour charges.					
iii)	Battery:- Replacement of battery as per the requirement of site of Exide make (as per conforming standard) including labour charges.					
Total						269284

Draft Schedule of quantity checked and approved for ₹ 269284/-only

Executive Engineer
 Electrical Division
 HPPWD Palampur