

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

No.: PW/EDP/CB/TA/CONT/2024-25/- 4821-29

Dated: 2-12-24

To

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

Subject: Publishing of Tender Notice.

Jai Hind

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
"Short Term 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 **12-12-2024** 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 **11-12-2024** up to 4.00 P.M. and the application for issue of tender form shall be received on **10-12-2024** 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	Renovation of strength of material lab at Govt. Polytechnic collage Kangra in Distt. Kangra (H.P)(SH:- Providing E.I. and industrial wiring therein).	400082/-	8100/-	Six Months	8	350/-
2	Construction of Additional Accommodation building of Chief Engineer (Kangra Zone) HPPWD Dharamshala, District Kangra (H.P)(SH:- Providing LED Solar Lights for campus Lighting therein).	347728/-	7000/-	Two Year	8	350/-
3	Providing Charging station wiring for Electric Vehicle on Vidhansabha Complex Dharamshala at Tapovan Distt. Kangra (H.P.).	355511/-	7200/-	Six Months	8	350/-
4	Providing Video Conferencing system in the O/O Chief Engineer (KZ)HPPWD Dharamshala.	415165/-	8400/-	One Year	8	350/-
5	C/O Veterinary Hospital at Ghalour in Tehsil Jawalamukhi, Distt. Kangra (H.P)(SH:- Providing E.I. therein).	499461/-	10000/-	One Year	8	350/-
6	R/M of Chiller/HVAC Plant of Auditorium Building Dr. RPGMC Tanda.(SH:- Replacement of 7.5 HP Chiller Water Pump Motor and starter therein).	136149/-	2800/-	Three Months	8	350/-

7	Repair and Maintenance of E.I. to HP PWD Sub-Division Office and Rest House at Lunj in Distt. Kangra (H.P)(SH:- Providing indoor and outdoor LED lighting along with Inverter and modular accessories therein).	160622/-	3300/-	Three Months	8	350/-
8	Repair and Maintenance of E.I. to Maternity O.T. & OPD-11 of 500 Bedded Hospital, Dr. RPGMC Kangra at Tanda.(SH:- Replacement of old and damaged LEDs, fans etc. therein).	407106/-	8200/-	Three Months	8	350/-
9	Replacement of AMF Controller, base card control and self starter motor with new one of 250 KVA DG Set installed in Civil Hospital at Nurpur Distt. Kangra (H.P)	178050/-	3600/-	One Month	8	350/-
10	C/O ITI Building at Balakrupi in Tehsil Jaisinghpur Distt. Kangra (H.P)(SH:- SITC 250 Amp LT Panel)(Balance Work).	358607/-	7200/-	Six Months	8	350/-
11	Replacement of damaged switch/sockets, regulators etc. in CSSD Area (G.F.) and replacement of damaged wiring in AICU & Seminar Hall at 1st floor of 500 bedded hospital Dr. RPGMC Kangra at Tanda.	99931/-	2000/-	Two Months	8	350/-
12	Providing wiring and replacement of old and damaged Accessories, LED light in the Executive Engineer Residence HPPWD B&R Division Dehra, Tehsil Dehra Distt. Kangra (H.P).	34579/-	700/-	One Month	8	350/-
13	Replacement of damaged switch/sockets, light fixtures along with wiring in General Medicine Store at basement of 500 bedded hospital Dr. RPGMC Kangra at Tanda.	99971/-	2000/-	Two Months	8	350/-
14	Repair of 22 HP Outdoor unit of variable refrigeration Volume/flow based HVCA System LG Make in Circuit House Dharamshala Distt. Kangra (H.P).	487558/-	9800/-	One Month	8	350/-
15	C/O Type V residence of SE (Mechanical) 2 nd Circle Dharamshala (SH:- Providing Inverter, Street lights, solar lights, geyser therein).	454722/-	9100/-	Six Months	8	350/-
16	C/O Science Block at GSSS Majhean Distt. Kangra (H.P)(SH:- Supplying and laying Steel Conduit therein).	60600/-	1300/-	One Month	8	350/-
17	Providing and Laying of Sub Main Cable from main Electrical Panel to Oxygen Generator in Oxygen Plant and Providing UPS wiring from PSA Oxygen Plant to new block in Civil Hospital Dehra in Tehsil Dehra Distt. Kangra (H.P).	71384/-	1500/-	One Month	8	350/-
18	Annual repair and maintenance of 1 (One) number 6 Passengers machine room less "Kone" make elevator installed in Circuit House at Dharamshala for the year 2024-25.	220340/-	4500/-	Three Year	8	350/-

19	Special repair and Maintenance of Patient cum stretcher lifts installed in Treatment Block, Maternity Block and Casualty Block of 500 Bedded Hospital at Dr. RPGMC Kangra at Tanda.	350913/-	7100/-	Three Months	8	350/-
20	Repair and Maintenance of E.I. to Vivekanand Hostel, Dr. RPGMC Kangra at Tanda.(SH:- Replacement of burnt out/damaged LED street lights surrounding the Hostel building to main road area therein).	305371/-	6200/-	Three Months	8	350/-
21	R/M of E.I. of Vidhan Sabha complex at Tapovan Dharamshala Distt. Kangra (H.P)(SH:- Providing UPS/Inverter for Vidhansabha complex.	494091/-	9900/-	Six Months	8	350/-
22	Providing power wiring and 3HP DOL Motor Starters to the AHUs installed in 2nd & 3rd floor of Super Specialty Block , Dr. RPGMC Kangra at Tanda.	91772/-	1900/-	One Month	8	350/-
23	Construction of Additional Accommodation to Civil Hospital at Palampur in Tehsil Palampur Distt. Kangra (H.P)(SH:- Providing Air-Conditioning Units therein).	487585/-	9800/-	Two Months	8	350/-
24	C/O I.T.I Building at Balkrupi in Tehsil Jaisinghpur Distt. Kangra (H.P)(SH:- Providing 400 amps phase sequence panel, fan rod, cable etc. therein).	391681/-	7900/-	One Month	8	350/-
25	C/O Academic BBA & BCA Block in Vikram Batra Govt. Degree College (Third & Fourth Floor) at Palampur in Tehsil Palampur Distt. Kangra (H.P)(SH:- Providing & Laying Steel Conduit in Slab/Walls therein).	98550/-	2000/-	One Year	8	350/-
26	Replacement of old and unrepairable FTL Luminaires with LED Fitting in the room's of Cabinet Ministers in Mini Sectt building at Dharamshala.	350121/-	7100/-	Six Months	8	350/-
27	Providing and Fixing Air Conditioning System in the Cabinet Hall of Mini Sectt. Building at Dharamshala.	490607/-	9900/-	Six Months	8	350/-
28	Repair / Maintenance of HPPWD Rest House at Dadh in Tehsil Nagrota Bagwan Distt. Kangra HP(SH:- Bollard Light , Bulk Head , Armoured cable ,36 Watt Strip etc. Therein)	272978/-	5500/-	One Month	8	350/-

HIM SUCHNA AVAM JAN SAMPARK VIBHAG

SCHEDULE OF QUANTITY

NAME OF WORK :- Renovation of strength of material lab at Govt. Polytechnic collage Kangra in Distt. Kangra (H.P.) (SH: Providing E.I. and industrial wiring therein.)

Job No 1

ESTIMATED COST: Rs.4,00,082/-only.
EARNEST MONEY: Rs.8100/-only
TIME ALLOWED: Six Months

SR. NO.	DESCRIPTION	QTY.	FIGURES	RATES	UNIT	AMOUNT
				WORDS		
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.					
	Group C	20	1858.00	Rupees One Thousand Eight Hundred Fifty Eight Only	Per Point	37160
	(Make:-KEI,Anchor,Plaza) Legrand (Myrius), L&T(Entice), Schneider(Livia).					
2	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC of item insulated copper conductor, single core cable in surface/ recessed steel conduit as required.					
2.1	2x1.5 Sq. mm.	60	340.00	Rupees Three Hundred Forty Only	Per Meter	20400
2.2	2x4 Sq. mm.	110	477.00	Rupees Four Hundred Seventy Seven Only	Per Meter	52470
2.3	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	120	779.00	Rupees Seven Hundred Seventy Nine Only	Per Meter	93480
	Make:- KEI/Anchor/Plaza					

3	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:- L&T/Legrand/Schneider.	10	591.00	Rupees Five Hundred Ninety One Only	Each	5910
4	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:- L&T/Legrand/Schneider.	10	760.00	Rupees Seven Hundred Sixty Only	Each	7600
5	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:- Makes:- L&T/Legrand/Schneider.					
5.1	Single pole. Cat-A.	12	268.00	Rupees Two Hundred Sixty Eight Only	Each	3216
5.2	Triple pole. Cat-A.	16	1426.00	Rupees One Thousand Four Hundred Twenty Six Only	Each	22816
6	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. Makes:- L&T/Legrand/Schneider.					
	63 Amps. Cat-A.	1	620.00	Rupees Six Hundred Twenty Only	Each	620
7	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. Makes:- L&T/Legrand/Schneider.					

63 Amps. Cat-A.							
	Makes:- L&T/Legrand/Schneider.	1	3621.00	Rupees Three Thousand Six Hundred Twenty One Only	Each	3621	
8	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/isolator)						
	Double door-16 way	1	2971.00	Rupees Two Thousand Nine Hundred Seventy One Only	Each	2971	
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 (but without MCB's and incomer) as required.						
	Vertical TP&N DB Loadline - 08 Way						
	Makes:- L&T/Legrand/Schneider.	1	12231.00	Rupees Twelve Thousand Two Hundred Thirty One Only	Each	12231	
10	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.						
	MCCB 100 A 16/18 KA	2	4204.00	Rupees Four Thousand Two Hundred Four Only	Each	8408	
	Makes:- L&T/Legrand/Schneider						
	Providing and fixing Enclosure for MCCBs suitable for 3Pole & 4Pole MCCBs etc. as equired complete in all respect.						

ENCLOSURE FOR MCCB

		1	1961.00	Rupees One Thousand Nine Hundred Sixty One Only	Meter	1961
	Make: Schneider / Legrand / L&T.					
12	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.					
	Armoured cable 35 sq. mm (3.5 core)					
	Make:- KEI/Anchor/Plaza	60	614.00	Rupees Six Hundred Fourteen Only	Per Meter	36840
13	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.	120	182.00	Rupees One Hundred Eighty Two Only	Per Meter	21840
14	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.					
	Wall Fan 400mm sweep	2	3042.00	Rupees Three Thousand Forty Two Only	Each	6084
	Makes:- Usha / Bajaj / Crompton.					
	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, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required with Five star rating and with five year warranty.					
15	Ceiling Fan 1200 mm sweep, Cat-A	3	4386.00	Rupees Four Thousand Three Hundred Eighty Six Only	Each	13156
	Makes:- Usha / Bajaj / Crompton					

16	Providing and fixing of IP20 LED Surface mounted CRCA Powder Coated Box type channel system with Pro LED Lamp suitable for mounting 1 x 18 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 18 Watt Tube fixture					
	Makes:- Philips/Wipro/Bajaj	7	1512.00	Rupees One Thousand Five Hundred Twelve Only	Each	10584
17	Providing and fixing of LED fixture 600mm x 600mm 36Watt +/- 1W surface mounted having minimum system lumen efficacy of 100lm/W with CRCA housing and PMMA diffuser with P.F. >0.95, THD<10%, CCT 5700K, CRI 80. The LED shall be tested with LM80-08 standard with useful life of 50000 hrs. at L70. The input voltage range shall be 150V as required complete with connections, testing etc. with five years warranty.					
	LED Panel 2'x2' 36 watt	8	4839.00	Rupees Four Thousand Eight Hundred Thirty Nine Only	Each	38712
	Makes:- Philips Wipro/Bajaj					
	Total					400082

Schedule of Quantity checked and priced for 400082 only

Executive Engineer
Electrical Division
HPRWD Palampur

(2)

SCHEDULE OF QUANTITY

NAME OF WORK :- Construction of additional accommodation building of Chief Engineer (Kangra Zone) HPPWD Dharamshala, District Kangra (H.P.) (Providing LED Solar Lights for campus Lighting therein).

Job No ²/₁₈

ESTIMATED COST: Rs.3,47,728/-only.
EARNEST MONEY: Rs.7000/-only
TIME ALLOWED: Two Year

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying and fixing 30 Watt All in One Smart Integrated Solar Street light (150 Lm/watt) with Five years on-site warranty, built in Mono Crystalline Panel, Lithium Ion Battery (LiFePO4), MPPT (Maximum Power Point Tracking) Charge Controller and PIS (Passive Infrared Sensor) Sensor with colour Temperature > 5500K including connections, testing etc. as required complete in all respects. Makes: Panasonic/Bajaj/Wipro.	8	35540.00	Rupees Thirty Five Thousand Five Hundred Forty Only	Each	284320
2	Supplying and erection of Galvanized Iron (G.I.) pipe pole 'C' Class of suitable length and dia. 4.47 mm thickness, including fixing up to a given depth below G/L. The hole of excavation about 30 cm dia. and given depth to be filled in up to 15 cm below G/L with 1:3.6 cement concrete and there above plinth with 1:2:4 cement concrete up to a height of 45 cm from G/L. The radial thickness of the plinth above G/L should not be less than 6.35 cm, the outer surface of the plinth to be finished with 1:3 cement plaster 6 mm thick, including painting of pole with two coats of approved color, brand and manufacture of paint over a priming coat complete in all respects as required. Makes: Jinda/Tata					
	5 Meter long having nominal bore dia. 65 mm planting depth 80 cm with pit depth 95 cm.	8	7926.00	Rupees Seven Thousand Nine Hundred Twenty Six Only	Each	63408
	Total					347728

Draft Schedule of quantity checked and approved

for 347728/-

Executive Engineer
Electrical Division
HPPWD Palampur

3

SCHEDULE OF QUANTITY

NAME OF WORK :- Providing Charging station wiring for Electric Vehicle on Vidhansabha Complex Dharamshala at Tapovan Distt. Kangra (H.P.).

job No **3**

ESTIMATED COST: Rs. 3,55,511/- only.
EARNEST MONEY: Rs. 7200/- only
TIME ALLOWED: Six Months

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 heavy class PVC conduit having wall thickness 2.0mm as required Make: KEI/Polycab/Anchor/Grandlay.					
1.01	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	40	571	Rupees Five Hundred Seventy One Only	Per Metre	22840
2.00	Supplying and fixing of following sizes of heavy class FRLS PVC conduit having wall thickness 2.0mm 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: BEC/ Diplass/Anchor.					
2.02	40 mm. dia	190	150	Rupees One Hundred Fifty Only	Per Metre	28500
3.00	Supplying and fixing 63 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.					
3.01	63 Amps. (Make:- Schneider/ Legrand/L&T)	4	1110	Rupees One Thousand One Hundred Ten Only	Each	4440
4.00	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)					

4.01	Double door-4 way (Make:-Schneider/ Legrand/L&T)	3	1425	Rupees One Thousand Four Hundred Twenty Five Only	Each	4275
5.00	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.	4	19864	Rupees Nineteen Thousand Eight Hundred Sixty Four Only	Per Set	79456
6.00	Providing and fixing 25mm x 5mm copper strip on surface or in recess for earth connections etc. as required.	100	775	Rupees Seven Hundred Seventy Five Only	Per Metre	77500
7.00	Providing and laying earth connection from earth electrode with 4.00 mm dia copper wire in 15 mm dia G.I. pipe from earth electrode including connection with copper thimble excavation and re-filling as required.	150	309	Rupees Three Hundred Nine Only	Per Metre	46350
8.00	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/recessed or in existing trenches etc. as required complete in all respects.					
8.01	Armoured cable 25 sq. mm (4 core) Make: KEI/Polycab/Anchor/Grandlay.	190	485	Rupees Four Hundred Eighty Five Only	Per Metre	92150
	Total					355511

Schedule of quantity checked and approved for 355511-001 only

Executive Engineer
Electrical Division
HPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- Providing Video conferencing system in the O/O
Chief Engineer (KZ) HPPWD Dharamshala.

Job No. 15

ESTIMATED COST: Rs.4,15,165/-only.
EARNEST MONEY: Rs.8400/-only
TIME ALLOWED: Six Months

SR. NO.	DESCRIPTION	QTY.	FIGURES	RATES	UNIT	AMOUNT
				WORDS		
1	Supply, Installation, Testing & Commissioning of (A) Video conferencing system (Video bar) Ultra HD image sensor, all-in-one design, 5Xhd ZOOM, Expansion microphone-ready, Bluetooth wireless technology, 3-microphones and custom-tuned speaker, Multiple mounting options, Kensington security slot, Simple to manager remote control, Ultra-HD camera with motorized pan/tilt, integrated microphone with 3 beam forming elements, full-range speaker, integrated table stand/wall mount, All-in-one enclosure with patented anti-vibration suspension system, RF remote control with three camera preset, Kensington security slot, 5m (16 ft) included, customer-supplied USB 3.0 cable required for 4K video, Custom lens with motorized pan/tilt, 5x digital zoom etc. (B) Bluetooth speaker with USB type C cable, Voice technology for a clear and natural listening experience, Microphone Digital Enhanced Omni microphones, Microphone frequency response 150 - 7,500 Hz, Music-Audio performance Exceptional listening experience providing a neutral, authentic and powerful music reproduction through ultra-low distortion speaker with dynamic equalizer and bass enhancement. Technology Bluetooth® Version 5.0, supported profiles: A2DP 1.3 + AVRCP 1.6 + DI 1.3 + HFP 1.7 + HSP 1.2, as required complete in all respects. (Makes: Logitech (Model: MEETUP) Panasonic (Model: KX-VC12300SX) (/ Grandstream (GVC 3220))	1	297850	Rupees Two Lacs Ninety Seven Thousand Eight Hundred Fifty Only	Each	297850
2	Supply, Installation, Testing & Commissioning of 65" Commercial 4K UHD Smart TV Backlight Direct, 4K UHD, Resolution 3,840 x 2,160 (4K UHD). Screen Size 65", Refresh Rate 60 Hz Native etc. as required complete in all respects. (Makes: LG/Panasonic/Samsung)	1	104890	Rupees One Lacs Four Thousand Eight Hundred Ninety Only	Each	104890

3	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed Steel/ PVC conduit as required.(Makes: D-Link/Molex/Beldon)	50 ✓	55	Rupees Fifty Five Only	Per metre	2750 ✓
4	Supplying and fixing of PVC conduit of 25mm dia 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/ Polyplast.	50 ✓	85	Rupees Eighty Five Only	Per Metre	4250 ✓
5	Supply. Laying / fixing of Active HDMI Cable 15 Mtrs etc. as required complete in all respects. (Makes: AD Net/ WD Terabyte Gold)	1 ✓	5425	Rupees Five Thousand Four Hundred Twenty Five Only	Each	5425 ✓
Total						415165

Schedule of quantity checked and approved for ₹ 415165/- only

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- C/O Veterinary Hospital at Ghallour in Tehsil Jawalamukhi Distt Kangra(HP) (SH: Providing E.I therein).

SR. NO.	DESCRIPTION	QTY.	job No Σ		ESTIMATED COST: Rs.4,99,461/-only. ✓		EARNEST MONEY: Rs.10000/-only ✓		TIME ALLOWED: One Year	
			FIGURES	WORDS	UNIT	AMOUNT				
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm 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	Group C. Makes: Legrand(Myrius),Schlender(Livia),Anchor Roma(Plus),L&T(Entice).	53	1650	Rupees One Thousand Six Hundred Fifty Only	P/Pt	87450				
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, with 2 Way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.									
1	Group C. Makes: Legrand(Myrius),Schlender(Livia),Anchor Roma(Plus),L&T(Entice).	2	1692	Rupees One Thousand Six Hundred Ninety Two Only	P/Pt	3384				
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 Makes: KEI/Anchor/Polycab/Grandlay.									
1	2X1.5Sq.mm+1X1.5Sq.mm Earth wire									
	Makes: KEI/Anchor/Polycab/Grandlay.	35	282	Rupees Two Hundred Eighty Two Only	P/Mtr	9870				

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						
1	2X2.5Sq.mm+1X2.5Sq.mm Earth wire						
	Makes: KEI/Anchor/Polycab/Grandlay.	65	332	Rupees Three Hundred Thirty Two Only	P/Mtr	21580	
5	Wiring for light/ 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.						
1	Makes: KEI/Anchor/Polycab/Grandlay.	45	395	Rupees Three Hundred Ninety Five Only	P/Mtr	17775	
6	Wiring for light/ power plug with 4X4 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.						
1	Makes: KEI/Anchor/Polycab/Grandlay.	35	703	Rupees Seven Hundred Three Only	P/Mtr	24605	
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 steel conduit as required						
	2 X 6 sq. mm + 1 X 6 sq. mm earth wire						
1	Makes: KEI/Anchor/Polycab/Grandlay.	15	564	Rupees Five Hundred Sixty Four Only	P/Mtr	8460	
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 steel conduit as required						
1	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	10	696	Rupees Six Hundred Ninety Six Only	P/Mtr	6960	
	Makes: KEI/Anchor/Polycab/Grandlay.						
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						
1	3X1.5 Sq.mm	15	100	Rupees One Hundred Only	P/Mtr	1500	

ii	3X2.5Sq.mm	20	151	Rupees One Hundred Fifty One Only	P/Mtr	3020
iii	3X4Sq.mm	15	249	Rupees Two Hundred Forty Nine Only	P/Mtr	3735
	Makes: KEI/Anchor/Polycab/Grandlay.					
10	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.					
i	Makes: Legrand(Myrius),Schlender(Livia),Anchor Roma(Plus)	10	469	Rupees Four Hundred Sixty Nine Only	Each	4690
11	Supplying and fixing suitable size GI box with modular plate and cover in FRL Sont on surface or in recess, including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc as required					
i	Makes: Legrand(Myrius),Schlender(Livia),Anchor Roma(Plus)	10	621	Rupees Six Hundred Twenty One Only	Each	6210
12	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3Nos 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required (For light plugs to be used in NR Buildings).					
i	12 Module (200mmX150mm)					
	Makes:- Legrand(Myrius),L&T(Oris),Anchor Roma(Plus),L&T(Entice).	6	1191	Rupees One Thousand One Hundred Ninety One Only	Each	7146
13	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc as required.					
i	S.P. 5/ 6 Amps one way Modular switch.	4	93	Rupees Ninety Three Only	Each	372
ii	5 pin, 5/ 6 Amps Modular socket outlet.	4	136	Rupees One Hundred Thirty Six Only	Each	544

	Makes:- Legrand(Myrius),L&T(Oris),Anchor Roma(Plus),L&T(Entice).						
14	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 25 amps modular socket outlet and 25 amps modular SP MCB "C" curve including connection,painting etc. as required						
1	Makes:- Legrand(Myrius),Schneider(Livia),Anchor Roma(Plus),L&T(Entice).	2	705	Rupees Seven Hundred Five Only	Each	1410	
15	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.						
1	Single pole. Cat-A.	22	239	Rupees Two Hundred Thirty Nine Only	Each	5258	
	Makes: L&T, Legrand,Schneider						
16	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc as required.						
1	63 Amps. Cat-A.	2	530	Rupees Five Hundred Thirty Only	Each	1060	
	Makes: L&T, Legrand,Schneider.						
16	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.						
1	63 Amps. Cat-A.	2	3104	Rupees Three Thousand One Hundred Four Only	Each	6208	
	Makes: L&T, Legrand,Schneider.						
17	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc as required (But without MCB/RCCB/isolator)						

	Makes: L&T, Legrand, Schenider.					
i	Double door-16 way					
18	Supplying and fixing Ding dong bell suitable for single phase, 230 volts, complete as required.	2	2607	Rupees Two Thousand Six Hundred Seven Only	Each	5214
i	Makes: Anchor/Goldmedal/SSK.	1	206	Rupees Two Hundred Six Only	Each	206
19	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 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 (With 5 Years Warranty)					
i	LED fixture 1x18 Watt Surface Mounted 4 Feet Ultra Bright LED Tubelight					
	Makes: Havells, Bajaj & wipro.	8	867	Rupees Eight Hundred Sixty Seven Only	Each	6936
20	Providing and Fixing of IP20 LED fixture of 18 watt +/- 1 W LED Surface Mounted Downlighter Round Shape with minimum system lumen efficacy of 100 lm/W with Polycarbonate housing, pressure die cast heat sink 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 The LEDs used in the luminaire shall have CCT of ANSI Bin 5700 K with CRI of minimum 80 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 (With 5 Years Warranty)					
i	LED Round Downlighter (Surface) 18Watts	6	1821	Rupees One Thousand Eight Hundred Twenty One Only	Each	10926
ii	Makes: Wipro, Bajaj & Panasonic.					

21	Providing and Fixing of 1X1 LED Panel 24 Watt +/- 1W Surface/Recessed mounted fixture with HET Plastic diffuser with minimum system lumen efficacy of 100 lm/W with CRCA housing having P.F.>0.95 with THD<10%. CRI 80 The LED with Useful life of 50000 Hrs at L70. The LEDs used in the luminaire shall have CCT of 5700 K with CRI of minimum 80. 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. (With 5 Years Warranty)					
i	LED Panel 1'x1' 24watt	8	3709	Rupees Three Thousand Seven Hundred Nine Only	Each	29672
ii	Makes:Bajaj, Wipro & Panasonic. Providing and Fixing of 1200 mm X 300 mm LED fixture 36 W +/- 1W Surface mounted fixture with HET Plastic diffuser with CRCA Powder Coated housing having minimum system lumen efficacy 100lm/W with P.F.>0.95 with THD<10%. The LED with Useful life of 50000 Hrs at L70. The LEDs used in the luminaire shall have CCT of 5700 K with CRI of minimum 80. 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. (With 5 Years Warranty)					
22						
i	LED Panel 4'x1' 36 watt	6	3964	Rupees Three Thousand Nine Hundred Sixty Four Only	Each	23784
ii	Makes:Wipro,Bajaj & Panasonic. Providing and fixing of IP65 Bulkhead led 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 . 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 & commissioning etc.as required complete in all respects. (With 5 Years Warranty)					
23						

i	LED 10 Watt Bulk Head					
ii	Makes:Wipro,Bajaj & Panasonic.	4	1420	Rupees One Thousand Four Hundred Twenty Only	Each	5680
24	Supplying and fixing of LED Flood light 50Watts made up of pressure die cast aluminium housing with high power LED as lighting source and lens embedded PC cover having IP65 protection and impact resistance of IK07 with 10 kV Built-in surge Protection Device. The luminaire shall have CCT of 5700K and CRI of minimum 80, PF>0.95 and THD>10%. LED shall be compliant with Useful L70 life of 50000 Hrs. Driver efficiency should be 85% to operate in input voltage range of 100V to 270V.(With 5 Years Warranty)					
i	LED Flood Light 50Watts	5	4584	Rupees Four Thousand Five Hundred Eighty Four Only	Each	22920
ii	Makes:Havells,Wipro & Panasonic.					
25	Providing, Installation, testing and commissioning of BLDC ceiling fan (5 star rating), 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:					
i	Ceiling Fan 1200 mm sweep, Category-A	4	4323	Rupees Four Thousand Three Hundred Twenty Three Only	Each	17292
ii	Ceiling Fan 1400 mm sweep, Category-A	5	4489	Rupees Four Thousand Four Hundred Eighty Nine Only	Each	22445
ii	Make:- Usha(BLDC),Bajaj/Crompton.					

26	Providing, Installation, testing & commissioning of wall fan of following size by means of suitable rag-bolt/ nuts, connections, testing & commissioning etc. as required complete in all respects to the best satisfaction of Engineer-in-charge.					
i	Wall fan 400mm Sweep	1	3041	Rupees Three Thousand Forty One Only	Each	3041
ii	Make:Usha, Bajaj & Cromptons.					
27	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 thedamages, connections, testing and commissioning etc. as required.					
i	Exhaust Fan, Light duty, (Domestic) 300 mm sweep	6	2567	Rupees Two Thousand Five Hundred Sixty Seven Only	Each	15402
ii	Make:Usha(AEROCLEAN PLUS DBB),Bajaj,Crompton					

28	<p>Supplying, Installation, Testing & Commissioning of indoor s/door, Cubical type L.T. Panel. The Panel shall be compartmentalized type having space & 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 14G/16G CRCA sheet, base frame 75X40X3MM angle duly painted with Siemens Grey Powder Coated paint, Assembly Charges of 63A TPN Aluminium Busbar (Vertical) & Earth strip throughout the length of Panel (current density of Aluminium Busbar shall be 1mmx1mm=1.0 Amp.) Aluminium shall be Electric Grade E-91E, 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. Approximate Size of Panel H- 800mmX W-700mmX D-200mm. The Assembly Charges of 100 Amps 4P Aluminium/Copper solid/ Copper flexible wire interconnection Busbar to MCCB & 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 & 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 & the panel should be approved/ tested from the CPRI lab and should be Confirm I.S.64139(EVA Power system & control or approved equivalent make).</p>					
	<p>MATERIAL:</p> <p>MAIN INCOMER: MCCB-100A 4P 25 kA TMR with O/L & S/C Protection- 1 No., Spreader Link 100 A 4P-1Nos., Selector Switch-1No., Phase indicating Lamp-3 Nos, Control SP MCB -3Nos, Terminal switch -1No.</p>					
	<p>OUTGOING :</p> <p>Space for DP Isolator, RCCB & MCB 6 To 32 A SP 4-Nos.</p>					

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;						
i	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	56974	Rupees Fifty Six Thousand Nine Hundred Seventy Four Only	P/Job	56974
30	Supply, Erection, Installation & commissioning of Uniearth maintenance free chemical earthing system consisting of environment friendly ground enhancing compound 'G.E.C' 50kg or as required at site having anticorrosive & hygroscopic properties to replace excavated soil. It should consist of Uniearth copper bonded electrodes, as per site conditions & soil resistivity at various depth levels & different terrains. The electrodes should have coating of 250 microns of molecularly bonded pure electrolytic copper(99.9%) in 2 meter length, 17.2 mm diameter, terminal joint 200X25X6mm Cu Strip with exothermic welds. The electrode should be duly tested & certified by CPRI for 30kA short time current test for 1 sec rms.	2	18856	Rupees Eighteen Thousand Eight Hundred Fifty Six Only	P/Set	37712
31	Providing and fixing 4mm dia Cu wire on surface or in recess for loop earthing as required.	40	181	Rupees One Hundred Eighty One Only	P/Mtr	7240
32	Providing & Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required. Makes: KEI, Havells, PLAZA or its equivalent as approved by Er-in-charge. Makes: KEI/Anchor/Polycab.	30	426	Rupees Four Hundred Twenty Six Only	P/Mtr	12780
i	Armoured cable 25 sq. mm (3.5 core)					
Total						499461

Schedule of Summary checked and approved for ₹ 199461/- only

Executive Engineer
Electrical Division
HPPWD Palampur

⑤

SCHEDULE OF WORK :- RIM of Chiller/HVAC Plant of Auditorium Building Dr. RPGMC Tanda.(SH: Replacement of 7.5 HP Chiller Water pump Motor and starter therein)

2

ESTIMATED COST: Rs. 1,36,149/-only.
EARNEST MONEY: Rs.2800/-only
TIME ALLOWED: Three Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying and fixing of 7.5 HP Chiller Water pump Motor complete with all accessories including testing, commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.					
1.1	7.5 HP Chiller Water pump Motor	1	96531.00	Rupees Ninety Six Thousand Five Hundred Thirty One Only	Each	96531
	Makes:-Kirloskar / Crompton					
2	Supplying and fixing 32 amps rating, 240/415 volts, 10 kA, "D" 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.					
2.1	MCB 32 Amp., 4 pole "D" Curve	1	2047.00	Rupees Two Thousand Forty Seven Only	Each	2047
	Makes:-L&T/Legrand/scheinder.					
3	Supplying and fixing of 3 pole power contactor- MNX 32 type with connection etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.					
3.1	3 Pole Power contactors- MNX 32 Type	4	2992.00	Rupees Two Thousand Nine Hundred Ninety Two Only	Each	11968
	Makes:-L&T/Legrand/scheinder.					
4	Supplying and Fixing of Front Mounting Add-on contact Block 2 NO + 2 NC Suitable for MNX Contactor with connections etc. as required complete in all respects.					

4.1	Add-on contact Block 2 NO + 2 NC	4	587.00	Rupees Five Hundred Eighty Seven Only	Each	2348
	Makes:-L&T/Legrand/scheinder.					
5	Supplying and Fixing of Thermal Overload Relay Type MN2 Suitable for MNX Contactor with connections etc. as required complete in all respects.					
5.1	Thermal Overload Relay	3	1502.00	Rupees One Thousand Five Hundred Two Only	Each	4506
	Makes:-L&T/Legrand/scheinder.					
6	Supplying and Fixing of Single Phasing Protection Relay (SPPR) in the existing panel with connections etc. as required complete in all respects.					
6.1	Single Phasing Protection Relay (SPPR)	3	1523.00	Rupees One Thousand Five Hundred Twenty Three Only	Each	4569
	Makes:-L&T/Legrand/scheinder.					
7	Supplying and Fixing of Dressing wire, Sleeve, Thimble, DIN-Rail, wire connector etc as required complete in all respects.	3	3500.00	Rupees Three Thousand Five Hundred Only	Each	10500
8	Providing & fixing of G.I. pipe following size as required complete in all respects and to the best satisfaction of Engineer-in-charge.					
8.1	80 mm dia.	2	1840.00	Rupees One Thousand Eight Hundred Forty Only	per mtr.	3680
	Make: Jindal/Tata/ACME					
	Total					136149

Schedule of quantity checked and approved for ₹ 136149/- only

Executive Engineer
Electrical Division
HPPWD, Palampur

7

SCHEDULE OF QUANTITY

NAME OF WORK :- Repair & Maintenance of E.I. to HP PWD Sub-Division office and Rest House at Lunj in Dist. Kangra (H.P.) (SH: Providing indoor and outdoor LED lighting along with Inverter and modular accessories therein)						
SCHEDULE OF QUANTITY		Job No 7		ESTIMATED COST: Rs. 1,60,622/-only. EARNEST MONEY: Rs. 3300/-only TIME ALLOWED: Three Months		
DESCRIPTION	QTY.	FIGURES	RATES		UNIT	AMOUNT
			WORDS			
1 Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVCconduit as required.						
1 x 1.5 Sq.mm. in existing	70	42.00	Rupees Forty Two Only	Per Meter	2940	
Make:- KEI/Anchor/Finolex /Grandlay						
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 wall thickness 2.0mm as required.						
2x1.5 Sq. mm.	20	198.00	Rupees One Hundred Ninety Eight Only	Per Meter	3960	
Make:- KEI/Anchor/Finolex /Grandlay						
3 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.						
25 mm dia.	20	87.00	Rupees Eighty Seven Only	Per Meter	1740	
Make:- BEC/Anchor/Finolex /Grandlay						
4 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.						

	Armoured cable 6 sq. mm (Twin Core)	35	208.00	Rupees Two Hundred Eight Only	Per Meter	7280
	Makes:- Havells/KEI/Finolex /Grandlay					
5	Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
5.1	5/10 Amps. Modular switch	8	93.00	Rupees Ninety Three Only	Each	744
5.2	15/20 Amps. Modular switch	6	164.00	Rupees One Hundred Sixty Four Only	Each	984
5.3	5/6 amp modular socket outlet	8	136.00	Rupees One Hundred Thirty Six Only	Each	1088
5.4	15/16 amp modular socket outlet	6	231.00	Rupees Two Hundred Thirty One Only	Each	1386
	Makes:- Legrand/L&T/Schneider.					
6	Supplying and fixing Ding Dong bell suitable for single phase, 230 volts, complete as required.					
6.1	Ding Dong bell	1	206.00	Rupees Two Hundred Six Only	Each	206
	Makes:- Legrand/L&T/Schneider.					
7	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.					
7.1	6 Module	3	214.00	Rupees Two Hundred Fourteen Only	Each	642
7.2	12 Module	1	301.00	Rupees Three Hundred One Only	Each	301
	Makes:- Legrand/L&T/Schneider.					

8	Supplying and fixing 6 amps to 32 amps rating, 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	Single pole. 6-32 Amp. Cat-A.	3	239.00	Rupees Two Hundred Thirty Nine Only	Each	717
	Makes:-Legrand/L&T/Schneider.					
9	Providing and fixing of LED batten 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. With 5 year warranty.					
	20W LED Batten	8	623.00	Rupees Six Hundred Twenty Three Only	Each	4984
	Makes: Wipro/Havells/Panasonic					
10	Providing and fixing of IP65 Bulkhead LED 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. 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. With 5 year Warranty.					
	LED Bulk Head Light 10W	4	1420.00	Rupees One Thousand Four Hundred Twenty Only	Each	5680
	Makes: Wipro/Havells/ Bajaj					

11	Providing and Fixing of LED fixture 600mmX600mm 36 Watt +/- 1W Recess mounted fixture with HET Plastic diffuser with minimum system lumen efficacy of 100 lm/W with CRCA housing having P.F.>0.95 with THD<10% ,CRI 80.The LED with Useful life of 50000 Hrs at L70. The LEDs used in the luminaire shall have CCT of 5700 K with CRI of minimum 80. 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.With 5 year Warranty.									
	LED Panel 2'x2' 36 Watt	1	3397.00	Rupees Three Thousand Three Hundred Ninety Seven Only	Each	3397				
12	Makes:- Panasonic/Wipro/Havells									
	Supplying and fixing of LED street light luminaire with the use of the latest technology 45 Watt (4500 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 ≥ 80 lumens per watt, CRI > 70 , 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.									
13	LED 45 Watt Street light	2	5049.00	Rupees Five Thousand Forty Nine Only	Each	10098				
	Makes:- Havells/Panasonic/Wipro									
	Supplying and fixing of 35 Watt LED Post Top lantern energy saving, Pure polyester UV resistant powder coated, die-cast aluminium housing with PMMA clear diffuser, for uniform illumination with high power LEDs suitable for input voltage: AC 220-240V, 50/60Hz, complete with all accessories, including lamps and making connections, testing, commissioning etc. as required.With 5 year Warranty.									
	35W LED Post Top Lantern	5	8198.00	Rupees Eight Thousand One Hundred Ninety Eight Only	Each	40990				

	Makes: Wipro/Havells/ Bajaj						
14	Supplying and fixing following size SMC Junction box suitable for pole mounting arrangement etc. as required.						
	SMC Junction box (230 x 170 x 105)	1	576.00	Rupees Five Hundred Seventy Six Only	Each	576	
	Makes: Sintex/Havells/ Schneider						
15	Providing & fixing of G.I. pipe following size as required complete in all respects and to the best satisfaction of Engineer-in-charge.						
	80 mm dia.	4	1840.00	Rupees One Thousand Eight Hundred Forty Only	Each	7360	
	Make: Jindal/Tata/ACME						
16	Supplying, installation, testing and commissioning of 2.5 KVA INVERTER along with 200 Ah 12V 02 nos. batteries and MS rack with top covered & interlink cables as required complete in all respects and to the best satisfaction of Engineer-in-charge.	1	65549.00	Rupees Sixty Five Thousand Five Hundred Forty Nine Only	Each	65549	
	2.5 kVA Inverter/UPS System						
	Makes:- Microtek/Luminous/Livguard						
	Total					160622	

Self schedule of quantity checked
and approved by 160622/2

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- Repair & Maintenance of E.I. to Maternity O.T. & OPD-11 of 500 bedded hospital, Dr. RPGMC Kangra at Tanda. (SH: Replacement of old and damaged LEDs, fans etc. therein)

SR. NO.		DESCRIPTION	QTY.		RATES		UNIT	AMOUNT
			FIGURES	WORDS				
1	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed heavy class PVC conduit having wall thickness 2.0mm as required.							
	2x1.5 Sq. mm.		50	198.00	Rupees One Hundred Ninety Eight Only	Per Meter	9900	
	Make:- KEI/Anchor/Finolex							
2	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.		10	469.00	Rupees Four Hundred Sixty Nine Only	Each	4690	
	Makes:- Anchor-Roma/L & T/Schneider							
3	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.							
	Wall Fan 400 mm sweep		4	3041.00	Rupees Three Thousand Forty One Only	Each	12164	
	Makes:- Usha/Havells/Bajaj							
4	Providing, Installation, testing and commissioning of BLDC ceiling fan (5 star rating), 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.							

	BLDC Ceiling Fan 1200 mm sweep	4	4323.00	Rupees Four Thousand Three Hundred Twenty Three Only	Each	17292
	Makes:- Usha/Havells/Bajaj					
5	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.					
	Modular fan regulator - 2 Module	4	258.00	Rupees Two Hundred Fifty Eight Only	Each	1032
	Makes:- Anchor-Panasonic/Usha/Havells					
6	Providing and fixing of IP65 Bulkhead LED 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. 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. With 5 year Warranty.					
	LED Bulk Head Light 10W	4	1174.00	Rupees One Thousand One Hundred Seventy Four Only	Each	4696
	Makes: Wipro/Havells/ Bajaj					
7	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. 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. With 5 year Warranty.					

	LED fixture 1x18 Watt Surface Mounted 4 Feet Ultra Bright LED Tubelight	12	867.00	Rupees Eight Hundred Sixty Seven Only	Each	10404
	Makes: Havells/Wipro/Panasonic					
	Providing and fixing of IP20 LED fixture of following +/- 1 W LED Surface/Recess mounted downlighter round shape with minimum system lumen efficacy of 100 lm/W with Polycarbonate housing, pressure die cast heat sink 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 . The LEDs used in the luminaire shall have CCT of ANSI Bin 5700 K with CRI of minimum 80.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. With 5 year Warranty.					
8						
8.1	LED Recess mounting round downlighter 15 Watt	16	1273.00	Rupees One Thousand Two Hundred Seventy Three Only	Each	20368
8.2	LED Recess mounting round downlighter 18 Watt	10	1812.00	Rupees One Thousand Eight Hundred Twelve Only	Each	18120
8.3	LED Surface mounting round downlighter 18 Watt	40	1821.00	Rupees One Thousand Eight Hundred Twenty One Only	Each	72840
	Makes: Panasonic/Havells/ Wipro					
9	Providing and fixing of LED fixture 300mm x 300mm 24Watt +/- 1W Surface mounted having minimum system lumen efficacy of 100lm/W with with CRCA housing and PMMA diffuser with P.F. >0.95, THD<10%, CCT 5700K, CRI 80. The LED shall be tested with LM80-08 standard with useful life of 50000 hrs. at L70. The input voltage range shall be 150V as required complete with connections, testing etc.With 5 year Warranty.					

	24 Watt LED 1'x1' Surface panel	4	2319.00	Rupees Two Thousand Three Hundred Nineteen Only	Each	9276
	Makes: Wipro/Havells/Bajaj					
10	Providing and fixing of 1200 mm x 300 mm LED fixture 36 W +/- 1W Surface/Recess mounted fixture with HET Plastic diffuser with CRCA Powder Coated housing having minimum system lumen efficacy 100lm/W with P.F.>0.95 with THD<10%. The LED with Useful life of 50000 Hrs at L70. The LEDs used in the luminaire shall have CCT of 5700 K with CRI of minimum 80. 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. With 5 year Warranty.					
10.1	36 Watt LED Panel 4'x1' Surface panel	25	3964.00	Rupees Three Thousand Nine Hundred Sixty Four Only	Each	99100
10.2	36 Watt LED Panel 4'x1' Recess panel	24	5301.00	Rupees Five Thousand Three Hundred One Only	Each	127224
	Makes: Wipro/Panasonic/Havells					
	Total					407106

Self schedule of quantity checked and approved
for 407106/2

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- Replacement of AMF Controller, base card control and self starter motor with new one of 250 KVA DG Set installed in Civil Hospital at Nurpur Distt. Kangra HP.

job No 9

ESTIMATED COST: Rs.1,78,050/-only.
EARNEST MONEY: Rs.3600/-only
TIME ALLOWED: One Month

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying & fixing of AMF (Automatic Mains Failure) controller suitable for 250 KVA DG Set to control the DG connected in standby configuration i.e. controls the connection assignment of the load to DG set repair of base card controller, base card controller on DG side and self starter motor suitable for starting of DG set as required complete in all respects and to the best satisfaction of Engineer-in-charge.	1	58726	Rupees Fifty Eight Thousand Seven Hundred Twenty Six Only	Per Job	58726
2	Supplying & fixing of Base card control DG side suitable for 250 KVA DG Set to control the starting of engine of DG set as required complete in all respects and to the best satisfaction of Engineer-in-charge.	1	46289.00	Rupees Forty Six Thousand Two Hundred Eighty Nine Only	Per Job	46289
3	Supplying & fixing of Self starter motor DG side suitable for 250 KVA DG Set to start the engine of DG set as required complete in all respects and to the best satisfaction of Engineer-in-charge.	1	73035	Rupees Seventy Three Thousand Thirty Five Only	Per Job	73035
Total						178050

Schedule of quantity checked and approved for Rs. 178050-00 only

Executive Engineer
Electrical Division
HPPVMD, Palampur

SCHEDULE OF QUANTITY

Name of Work :- C/O ITI building at Balakrupi in Tehsil Jaisinghpur
Distt. Kangra HP (Sh:- SITC 250 Amp LT Panel)(Balance Work)

Job No 10

ESTIMATED COST: Rs.3,58,607/-only.
EARNEST MONEY: Rs.7200/-only
TIME ALLOWED: Six Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying, Installation, Testing and Commissioning of indoor s/door, Cubical type 250 Amp Panel having MCCB 250 A 4P-36 KA TMR with O/L & S/C protection-1No., spreader link 250 A 4P-1 No. Digitally metering set including Amp meter 96X96mm-1 No., Volt meter 96X96mm-1No., Ampere selector switch-1 No., Voltmeter selector, Phase indicating Lamp-3 Nos, O.L.C.C.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; 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	252166	Rupees Two Lacs Fifty Two Thousand One Hundred Sixty Six Only	P/Job	252166
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 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	102	401	Rupees Four Hundred One Only	P/Mtr.	40902
	Havella/KEI/Plaza make					

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 4 Nos. 3 pin 5/6 amps modular socket outlet and 4 Nos. 5/6 amps, modular switch, connections etc. as required. (For light plugs to be used in non residential building)	27	1602	Rupees One Thousand Six Hundred Two Only	Each	43254
	Make :- Schenider/L & T/LeGrand					
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.	3	591	Rupees Five Hundred Ninety One Only	Each.	1773
	Make :- Schenider/L & T/LeGrand					
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 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required.	3	760	Rupees Seven Hundred Sixty Only	Each.	2280
	Make :- Schenider/L & T/LeGrand					
6	Supplying and fixing following Way, TPNDB, 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)					
	TPNDB 6 way MCCB Sub-incomer Metal Door(As per LEGREND Cat/Price List w.e.f. 2023)	1	18232	Rupees Eighteen Thousand Two Hundred Thirty Two Only	Each	18232
	Total					358607

Do not Schedule of Quantity checked and approved for 358607

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- Replacement of damaged switch/sockets, regulators etc. in CSSD Area (G.F.) and replacement of damaged wiring in ALCU & Seminar Hall at 1st floor of 500 bedded hospital Dr. RPGMC Kangra at Tanda.

ESTIMATED COST: Rs. 99,931/-only.
EARNEST MONEY: Rs.2000/-only
TIME ALLOWED: Two Month

Job No 11

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 medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm, FRLS PVC insulated copper conductor single core cable etc. as required.					
	Group C	3	1380.00	Rupees One Thousand Three Hundred Eighty Only	Per Point	4140
	Makes:- (KEI/Anchor/Polycab, 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 medium class PVC conduit as required.					
1	2x4 Sq. mm.	50	358.00	Rupees Three Hundred Fifty Eight Only	Per Meter	17900
	Make:- KEI/Anchor/Polycab/GrandLay					
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.					
1	3x1.5 Sq. mm.	20	112.00	Rupees One Hundred Twelve Only	Per Meter	2240
	Make:- KEI/Anchor/Polycab/GrandLay					
4	Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					

4.1	5/10 Amps. Modular switch	60	135.00	Rupees One Hundred Thirty Five Only	Each	8100
4.2	15/20 Amps. Modular switch	15	230.00	Rupees Two Hundred Thirty Only	Each	3450
4.3	5/6 amp modular socket outlet	10	192.00	Rupees One Hundred Ninety Two Only	Each	1920
4.4	15/16 amp modular socket outlet	15	346.00	Rupees Three Hundred Forty Six Only	Each	5190
	Makes:- L&T/Legrand/Schneider.					
5	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.					
5.1	2 Module	15	394.00	Rupees Three Hundred Ninety Four Only	Each	5910
5.2	4 Module	5	455.00	Rupees Four Hundred Fifty Five Only	Each	2275
5.3	6 Module	9	553.00	Rupees Five Hundred Fifty Three Only	Each	4977
	Makes:- L&T/Legrand/Schneider.					
6	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.					
i	Stepped type Modular Fan regulator (2 module)	8	743.00	Rupees Seven Hundred Forty Three Only	Each	5944
	Makes:- L&T/Legrand/Schneider.					
7	Supplying and erection of MCB of following rating, 10 KA breaking capacity, 240 volts / 415 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required.					

1	Single pole. 6 Amp - 32 Amp. Cat-A.	5	233.00	Rupees Two Hundred Thirty Three Only	Each	1165
	Makes:- L&T/Legrand/Schneider.					
8	Supplying and fixing following rating. double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
1	40 A, Double pole	1	415.00	Rupees Four Hundred Fifteen Only	Each	415
	Makes:- L&T/Legrand/Schneider.					
9	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:-					
1	Double door-4 way	1	1565.00	Rupees One Thousand Five Hundred Sixty Five Only	Each	1565
	Makes:- L&T/Legrand/Schneider.					
10	Providing and fixing following rating and breaking capacity MCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.					
1	MCCB 125 Amp., 16 KA	6	5790.00	Rupees Five Thousand Seven Hundred Ninety Only	Each	34740
	Makes:- L&T/Legrand/Schneider.					
	Total					99931

Schedule of quantity of materials provided for ₹ 99931-00 only

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- Providing wiring and replacement of old and damaged Accessories,LED lights in the Executive Engineer residence HPPWD B&R Division Dehra,Tehsil Dehra,Distt. Kangra.							
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 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.					
i		Group B Makes:- Legrand(Myrius),Schiender(Livia),Anchor Roma(Plus),L&T(Entice).	3	1362	Rupees One Thousand Three Hundred Sixty Two Only	P/Pt.	4086
2		Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVCconduit as required.					
i		S/D 2X2.5 Sqmm	16	105	Rupees One Hundred Five Only	P/Mtr	1680
		Makes:-Anchor,KEI,Havells/Grandlay.					
3		Wiring for light/ 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.					

ESTIMATED COST: Rs.34,579/-only.

EARNEST MONEY: Rs.700/-only

TIME ALLOWED: One Month

i	2X4 sqmm	12	395	Rupees Three Hundred Ninety Five Only	P/Mtr	4740
	Makes:-Anchor,KEI,Havells/Grandlay.					
4	Supplying and fixing suitable size GI box with modular plate and cover in FRLS on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	1	621	Rupees Six Hundred Twenty One Only	Each	621
	Makes:-Legrand(Myrius),Schneider(Livia),Anchor Roma(Plus),L&T(Entice).					
5	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 . 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. With 5 Year warranty.					
i	LED tube Light 18/20 watts	9	867	Rupees Eight Hundred Sixty Seven Only	Each	7803
	Makes:-Bajaj,Havells,Panasonic.					
6	Providing and fixing of LED street light made up of pressure die cast aluminium housing with high efficiency LEDs as lighting source and lens embedded PC cover havingTOP Opening separate driver compartment with IP66 protection and impact resistance of IK07 as complete in all respects as required. With 5 Year warranty.					

i	LED Street Light 45 watts	1	4192	Rupees Four Thousand One Hundred Ninety Two Only	Each	4192
	Makes:-Bajaj,Havells,Wipro.					
7	Providing and Fixing of IP20 LED fixture of 15 watt +/- 1 W LED Surface Mounted Downlighter Round Shape with minimum system lumen efficacy of 100 lm/W with Polycarbonate housing,pressure die cast heat sink 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 . The LEDs used in the luminaire shall have CCT of ANSI Bin 5700 K with CRI of minimum 80. 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. With 5 Year warranty.					
i	LED Downlighter 15 Watts	2	1679	Rupees One Thousand Six Hundred Seventy Nine Only	Each	3358
	Makes:-Bajaj,Havells,Wipro.					
8	Providing, Installation, testing and commissioning of ceiling fan without 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					
i	Ceiling fan 1200mm Sweep	1	3212	Rupees Three Thousand Two Hundred Twelve Only	Each	3212

	Make: Usha(TECHNIX PLUS),Bajaj,Crompton				
9	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:				
I	Exhaust Fan, Light duty, (Domestic) 300mm sweep	1	2567	Rupees Two Thousand Five Hundred Sixty Seven Only	Each 2567
	Make: Usha,Bajaj,Crompton				
10	Supplying and fixing 6 amps to 32 amps rating, 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the 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 6 to 32 amps	2	239	Rupees Two Hundred Thirty Nine Only	Each 478
	Makes:-L&T,Legrand,Schenider				
11	Supplying and fixing Ding Dong bell suitable for single phase, 230 volts, complete as required.	1	206	Rupees Two Hundred Six Only	Each 206
	Make: Anchor,Goldmedal/SSK.				
12	Supplying and fixing batten/ angle holder including connection etc. as required.	1	88	Rupees Eighty Eight Only	Each 88
	Make: Anchor,Goldmedal/SSK				
13	Supplying and fixing following piano type switch on the existing switch box/ cover including connections etc. as required.				
I	5/6 Amps piano type switch	2	42	Rupees Forty Two Only	Each 84

	Make: Anchor,Goldmedal/SSK						
14	Supplying and fixing following piano type socket on the existing switch box/ cover including connections etc. as required.						
i	5/6 Amps piano type socket	2	57	Rupees Fifty Seven Only	Each	114	
	Make: Anchor,Goldmedal/Schenider						
15	Supplying and fixing of LED bulb 9 watts on the existing batten holder/ Fancy wall bracket as required complete in all respects.	9	150	Rupees One Hundred Fifty Only	Each	1350	
	Make: Anchor,Havells,Goldmedal/Schenider						
	Total					34579	
	The Dismantal metrial deducted from the contractor that is Rs. 230/- in the Final will						

Dr. J. Schedule Quantity checked and Approved for P.S 34-579-1000g.

H.
Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :-Replacement of damaged switch/sockets, light fixtures along with wiring in General Medicine Store at basement of 500 bedded hospital Dr. RPGMC Kangra at Tanda.

Job No **13**

ESTIMATED COST: Rs. 99,971/-only.
EARNEST MONEY: Rs.2000/-only
TIME ALLOWED: Two 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 medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required.					
	Group C	6	1380.00	Rupees One Thousand Three Hundred Eighty Only	Per Point	8280
	Makes:- (KEI/Anchor/GrandLay 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 medium class PVC conduit as required.					
2.1	2x4 Sq. mm.	22	358.00	Rupees Three Hundred Fifty Eight Only	Per Meter	7876
2.2	2x10 Sq. mm.	40	683.00	Rupees Six Hundred Eighty Three Only	Per Meter	27320
	Make:- KEI/Anchor/GrandLay					
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.					
	3x1.5 Sq. mm.	10	112.00	Rupees One Hundred Twelve Only	Per Meter	1120
	Make:- KEI/AnchorGrandLay					

4	Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
4.1	15/20 Amps. Modular switch	5	230.00	Rupees Two Hundred Thirty Only	Each	1150
4.2	15/16 amp modular socket outlet	5	346.00	Rupees Three Hundred Forty Six Only	Each	1730
	Makes:- L&T/Legrand/Schneider.					
5	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.					
	3 Module	5	415.00	Rupees Four Hundred Fifteen Only	Each	2075
	Makes:- L&T/Legrand/Schneider.					
6	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.					
6.1	Modular GI box with 5/6 Amp. Modular Switch & Socket outlet	10	601.00	Rupees Six Hundred One Only	Each	6010
	Makes:- L&T/Legrand/Schneider.					
7	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.					
	Modular GI box with 15/16 Amp. Modular Switch & Socket outlet	10	769.00	Rupees Seven Hundred Sixty Nine Only	Each	7690
	Makes:- L&T/Legrand/Schneider.					
8	Supplying and erection of MCB of following rating, 10 KA breaking capacity, 240 volts / 415 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required.					

	Single pole. 6 Amp - 32 Amp. Cat-A.	29	233.00	Rupees Two Hundred Thirty Three Only	Each	6757
	Makes:- L&T/Legrand/Schneider.					
9	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	63 Amp., Double pole	3	535.00	Rupees Five Hundred Thirty Five Only	Each	1605
	Makes:- L&T/Legrand/Schneider.					
10	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 30 miliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	63 Amp., Double pole	3	2985.00	Rupees Two Thousand Nine Hundred Eighty Five Only	Each	8955
	Makes:- L&T/Legrand/Schneider.					
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, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:-					
	Double door-12 way	1	2010.00	Rupees Two Thousand Ten Only	Each	2010
	Makes:- L&T/Legrand/Schneider.					
12	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.					

	4P MCCB 160 Amp, 25 KA	1	11411.00	Rupees Eleven Thousand Four Hundred Eleven Only	Each	11411
	Makes:- L&T/Legrand/Schneider.					
13	Providing and fixing of LED Bulkhead 10W +/- 1W with minimum system lumen efficacy of 100 lm/W with and P.F. >0.95 with THD<10%, CCT 5700 K, CRI 70, surge protection 4 kV. The LED with useful life of 50000 hrs. at L70 with 5 years warranty. The input voltage range shall be 150V to 270V as required with all accessories, l/c connections, testing and commissioning etc. as required complete in all respects.					
	LED Bulk Head, 10 Watt	2	1424.00	Rupees One Thousand Four Hundred Twenty Four Only	Each	2848
	Makes:- Wipro/ Havells/Bajaj					
14	Providing and installation of LED fixture 18W +/- 1W LED round/square surface mounted downlighter with minimum system lumen efficacy of 85 lm/W with and P.F. >0.95 with THD <20%, CCT 6000K, CRI 80. The LED with useful life of 50000 Hrs. at L70. The input voltage range shall be 150V as required complete with connections, testing etc. with 5 year warranty					
	18 Watt LED round/square Surface	2	1567.00	Rupees One Thousand Five Hundred Sixty Seven Only	Each	3134
	Makes:- Wipro/ Havells/Panasonic					
	Total					99971

Schedule of Quantity checked and approved for ₹ 99971/- only

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- Repair of 22 HP Outdoor unit of variable refrigeration volume/flow based HVAC system LG Make in Circuit House Dharamshala Distt Kangra (H.P)

Job No 14

ESTIMATED COST: Rs 4,87,558/-only.
EARNEST MONEY: Rs.9800/-only
TIME ALLOWED: One Month

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
	Supply & Fixing and repair of 22HP Outdoor unit parts as mentioned below of VRV System					
1	Complete Gas Charges including GST & Labours access	30	2145	Rupees Two Thousand One Hundred Forty Five Only	P/Kg	64350
2	Indoor Sancer Set including GST & Labours access	7	7508	Rupees Seven Thousand Five Hundred Eight Only	Each	52556
3	Lavour including GST & Labours access	1	35754	Rupees Thirty Five Thousand Seven Hundred Fifty Four Only	P/Job	35754
4	VRV Services including GST & Labours access	22	1192	Rupees One Thousand One Hundred Ninety Two Only	Each	26224
5	Expection Valve including GST & Labours access	7	22644	Rupees Twenty Two Thousand Six Hundred Forty Four Only	Each	158508

6	Swing Motor+ Display + PCB including GST & Labours access	2	20261	Rupees Twenty Thousand Two Hundred Sixty One Only	Each	40522
7	Indoor PCB of Split unit including GST & Labours access	4	27411	Rupees Twenty Seven Thousand Four Hundred Eleven Only	Each	109644
	Total					487558

Schedule of quent by created and approved for 487558 only

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- C/O Type V residence of SE (Typecast) Pnd Circle Dharmshala(Sh:- Providing Invertor, street lighte ,solar lighte, geyser therein)

Job No 15

ESTIMATED COST: Rs 4,54,722/-only.
EARNEST MONEY: Rs.9100/-only
TIME ALLOWED: Six Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1.00	Supplying and fixing of all in one solar street lights 150 lumen per watt.CCIT>5500K/CRI>70 complete with all accessories, including connections, testing and commissioning etc. as required complete in all respects.					
1.01	40 wattSolar Light.Makes:- Panasonic (Cat.No. PA040W11MLF2404)	3	55540	Rupees Fifty Five Thousand Five Hundred Forty Only	Each	166620
2.00	Supplying and fixing ofstreet light with asthetic and robust design with pressure dir cast aluminim housing .UV stablized IP diffuser for better light distribution complete with all accessories, including connections, testing and commissioning etc as required complete in all respects.					
2.01	25 watt Street Light Makes:- Panasonic(Cat.No. PSTM27258)	4	3220	Rupees Three Thousand Two Hundred Twenty Only	Each	12880
3.00	Supplying and fixing of fancy(Swedish 150mm) wall bracket light containing 1 nos thread type lamp holder complete with glass shade and other accessories but excluding LED Lamp including making connections testing etc as required:- Make:- Decon (Cat No:-05BI)					
3.01	Wall bracket	2	1576	Rupees One Thousand Five Hundred Seventy Six Only	Each	3152
4.00	Supplying and fixing of LED Post Top fixture, 35 watt, Pure polyester UV resistant powder coated die cast aluminium housing with PMMA clear diffuser for uniform illumination complete with all accessories, including connections, testing and commissioning etc. as required complete in all respects.					

4.01	35 watt LED Post Top fixture.	2	7733	Rupees Seven Thousand Seven Hundred Thirty Three Only	Each	15466
5.00	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.					
5.01	LED fixture 1x18 Watt Surface Mounted 4 Feet Box Type Channel with Pro LED Lamp Makes:- Philips /Mipro/Havells/Crompton.	15	867	Rupees Eight Hundred Sixty Seven Only	Each	13005
6.00	Supplying and fixing of fancy pendant light containing 3 nos thread type lamp holder complete with glass shade and other accessories but excluding LED Lamp including making connections testing etc as required:- Make:-Decon (Cat No:-350Q)					
6.01	3 Light Sri Lanka Pendant	1	4183	Rupees Four Thousand One Hundred Eighty Three Only	Each	4183
7.00	Supplying and fixing of following sizes of heavy class FRLS PVC conduit having wall thickness 2.0mm 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.					
7.01	25 mm	40	99	Rupees Ninety Nine Only	Per metre	3960
8.00	Supply and fixing PVC street light box SINTEX make of size 175mm X 225mm X 100mm complete with fixing in the existing wall including making good the damage etc. as required complete in all respects.	2	990.00	Rupees Nine Hundred Ninety Only	Each	1980
9.00	Providing and fixing of following sizes of PVC casing and capping on surface as required:-					

9.01	32 mm x 12.5 mm.						
10.00	Supplying and drawing copper conductor, multicore cable in the existing surface/ recessed steel/ PVC conduit as required complete in all respects.	40	192	Rupees One Hundred Ninety Two Only	Per metre	7680	
10.01	Three core 1.5 sqmm						
11.00	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, providing and fixing of Non-return valve, Dead weight safety valve, 2 No C.P. connection rods 18" long, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required:-	100	132	Rupees One Hundred Thirty Two Only	Each	13200	
11.01	6 Liter capacity water heater (Cat-A) Makes: Usha/Bajaj/Racold	1	10600	Rupees Ten Thousand Six Hundred Only	Each	10600	
11.02	25 Liter capacity water heater (Cat-A) Makes: Usha/Bajaj/Racold	4	19811	Rupees Nineteen Thousand Eight Hundred Eleven Only	Each	79244	
12.00	Supplying, erection, testing & commissioning of Pure sine wave Inverter and Online UPS of Following capacity suitable for back-up of power supply with M.S. Rack covered from all sides as required complete in all respects and to the best satisfaction of Engineer-in-Charge. Makes:- Microtek/Delta power/V-guard						
12.01	Inverter Sine Wave 3500 + 24 V	1	43516	Rupees Forty Three Thousand Five Hundred Sixteen Only	Each	43516	
13.00	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.						
13.01	Tubular Battery 12 Volt 160 Ah Makes: Exide/Quanta/Microtek	2	19612	Rupees Nineteen Thousand Six Hundred Twelve Only	Each	39224	

14.00	Supplying and erection of lighting pole of suitable length. The pole made out of Galvanized Mild steel tube of 75 mm dia. The Poles are primer coated and painted with Polyurethane paint. Poles are suitable for single /Double/Triple/Four Sode post top/Drop Down Lumanaries. Poles should be 1 mtr below ground level and cushioned by sand stone and cement complete in all respects.					
14.01	Overall length 4 meter lighting pole	3	8000	Rupees Eight Thousand Only	Each	24000
15.00	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.					
15.01	Double door 2+12 way (MCCB+6+36) module.	1	13628	Rupees Thirteen Thousand Six Hundred Twenty Eight Only	Each	13628
16.00	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 and refilling the trench etc.as required, but excluding sand cushioning and protective covering:-					
16.01	Armoured cable 6 sq. mm (twin core)	8	298.00	Rupees Two Hundred Ninety Eight Only	Meter	2384
	Total					454722

Diff Schedule of quantity checked and approved for: 454722

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- C/O Science Block at GSSS Majheen Distt. Kangra
(H.P.)(SH:- Supplying and laying Steel Conduit therein).

Job No **K**

ESTIMATED COST: Rs. 60,600/-only.
EARNEST MONEY: Rs.1300/-only
TIME ALLOWED: One Month

SR. NO.	DESCRIPTION	QTY.	FIGURES		RATES		UNIT	AMOUNT
					WORDS			
1	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.							
	25 mm	300	202		Rupees Two Hundred Two Only		Per Meter	60600
	Total							60600

Schedule of quantity checked and approved for Rs 60600/- only


 Executive Engineer
 Electrical Division
 HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- Providing and laying of Sub main cable from main Electrical Panel to Oxygen generator in Oxygen Plant and Providing UPS wiring from PSA Oxygen Plant to new block in Civil hospital Dehra in Tehsil Dehra, Distt. Kangra(H.P.)

Job No. ¹⁷ 26

ESTIMATED COST: Rs. 71,384/-only.
EARNEST MONEY: Rs.1500/-only
TIME ALLOWED: One Month

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
i	63 Amps	1	530	Rupees Five Hundred Thirty Only	Each	530
	Makes: Schenider, L&T, legrand.					
2	Supplying and fixing TP&N with kit kat fuses in sheet steel enclosure as required complete in all respects.					
i	TP&N 100 Amps	3	4800	Rupees Four Thousand Eight Hundred Only	Each	14400
	Makes: C&S, Havells, L&T.					
3	Providing & Laying of one number aluminium conductor, PVC insulated and PVC sheathed armoured/ XLPE power cable, 1.1 KV grade of following sizes on wall surface as required.					
i	Armoured cable 70 Sqmm on surface	31	1002	Rupees One Thousand Two Only	P/Mtr	31062
	Make:- KEI/Polycab/Anchor/Grandlay					

4	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.					
1	Armoured cable 35 Sqmm on surface	48	529	Rupees Five Hundred Twenty Nine Only	P/Mtr	25392
	Make:- KEI/Polycab/Anchor/Grandlay					
	Total					71384

Schedule of quantity checked and approved for 71384-20109

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- Annual Repair and Maintenance of 1 (One) number 6 Passengers machine room less "KONE" MAKE elevator installed in Circuit House at Dharamshala for the year 2024-25.					
ESTIMATED COST: Rs 2,20,340/-only. EARNEST MONEY: Rs.4500/-only TIME ALLOWED: One Year					
SR. NO.	DESCRIPTION	QTY.	Job No 18		UNIT
			FIGURES	RATES WORDS	
1	Annual repair and comprehensive maintenance of 1 No. Elevator "KONE" make 6 Passengers machine room less elevator including Routine services at the regular intervals of one month, regular systematic examination adjustment lubrication of machines, motors controller parts including replacement of Worn-out parts, gears etc. bearing break shoe, rotating element, contact coils, resistance for operating motors, magnetic frames etc. and other mechanical as well as electrical parts etc. as required to maintain the Elevator in proper and safe operating conditions including emergency break down all attending services and sudden damages of mechanical parts etc. and best satisfaction of the Engineer-in-charge for the year 2023-24 2024-25				
i	For First Year	1	220340	Rupees Two Lacs Twenty Thousand Three Hundred Forty Only	Per Job
	Total				220340

Schedule Quantity checked and approved for R. 220340/-only

Executive Engineer
Electrical Division
HPPWD, Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- Special Repair and Maintenance of Patient cum stretcher lifts installed in Treatment Block, Maternity Block and Casualty Block of 500 Bedded Hospital at Dr. R.P.G.M.C Kangra at Tanda.

Job No 19

ESTIMATED COST: Rs 3,50,913/-only.
EARNEST MONEY: Rs.7100/-only
TIME ALLOWED: Three Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Special repair maintenance and replacement of damaged parts of 04 Nos. 26 passenger "KONE" make lifts installed in 500 bedded hospital which include below mentioned material for smooth functioning of the lifts as required complete in all respects					
1.1	OSC SWITCH ASSY					
1.2	AUXILIARY CONTACT BLOCK					
1.3	BRIDGE RECTIFIER, SRM 25P/25JA 1000V					
1.4	VARISTOR, RAND240/20 330DC					
1.5	MCB 1P/2A WITH PROTECTION COVER					
1.6	CONTROL RELAY, CA2KN40M7 220/230V					
1.7	CARD, I/O MES 416					
1.8	CARD, CPU MES 416					
1.9	EXPANSION CARD, MES416					
1.1	BRIDGE RECTIFIER, SRM 10M 10A 600V					
1.11	CURTAIN OF LIGHT, WECO DYNAMIC 957MB51					
1.12	PR(>&<)> RR CARD, F CNTLR ASSY 216-416-MESB	1	350913	Rupees Three Lacs Fifty Thousand Nine Hundred Thirteen Only	Per Job	350913
	Total					350913

Schedule of Quantity checked & Approved for Rs 350913/-only

Executive Engineer
Electrical Division
H.P.W.D. Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- Repair & Maintenance of E.I. to Vivekanand Hostel, Dr. RPGMC Kangra at Tanda. (SH: Replacement of burnt out/ damaged LED street lights surrounding the Hostel building to main road area therein).

Job No 20

ESTIMATED COST: Rs 3,05,371/-only.
EARNEST MONEY: Rs.6200/-only
TIME ALLOWED: Three Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVCconduit as required.					
	3x1.5 Sq. mm.	270	100.00	Rupees One Hundred Only	Per Meter	27000
	Make:- KEI/Anchor/Polycab/GrandLay					
2	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.					
	25 mm dia.	150	87.00	Rupees Eighty Seven Only	Per Meter	13050
	Make:- BEC/Anchor/Polycab/GrandLay					
3	Supplying and erection of MCB of following rating, 10 KA breaking capacity, 240 volts / 415 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required.					
	Single pole, 6-32 Amp.	36	239.00	Rupees Two Hundred Thirty Nine Only	Each	8604
	Makes:- Legrand/L&T/Schneider					

4	Supplying and fixing of LED flood light luminaire with the use of the latest technology 60 Watt (6000 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 60 Watt Flood light	2	5988.00	Rupees Five Thousand Nine Hundred Eighty Eight Only	Each	11976 ✓
	Makes:- Havells/Mipro/Bajaj					
5	Supplying and fixing of 40 mm dia. M.S. pipe (medium class) bracket for mounting of fluorescent / HPMV / HPSV/ LED street light fitting on pole including bending the pipe to the required shape, bolts and washer, painting the flat iron with primer and finish paint etc. as required.					
	40 mm dia. street light bracket	5	1313.00	Rupees One Thousand Three Hundred Thirteen Only	Each	6565 ✓
6	Supplying and fixing of LED street light luminaire with the use of the latest technology 90 Watt (9000 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 ≥ 80 lumens per watt, CRI > 70 , 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 Street Light 90 Watt	36	4480.00	Rupees Four Thousand Four Hundred Eighty Only	Each	161280 ✓
	Makes: Panasonic/Mipro/Havells					

7	Supplying and fixing following size SMC Junction box suitable for pole mounting arrangement etc. as required.					
	SMC Junction box (230 x 170 x 105)	36	576.00	Rupees Five Hundred Seventy Six Only	Each	20736
	Makes: Sintex/Havells/ Schneider					
8	Providing & laying of one number aluminium conductor, PVC insulated and PVC sheathed armoured/ XLPE power cable, 1.1 KV grade of following sizes on wall surface as required.					
	Armoured cable 6 sq. mm (Twin Core)	270	208.00	Rupees Two Hundred Eight Only	Each	56160
	Makes: Panasonic/Havells/ Wipro					
	Total					305371

Schedule of Quantity checked & Approved for R.S 305371 forty

Executive Engineer
Electrical Division
HBPWD Palampur

SCHEDULE OF QUANTITY

SCHEDULE OF QUANTITY						
NAME OF WORK :- R/M of E.I of VIDHAN SABHA Complex at Tapovan Dharamshala Distt Kangra (H.P) (SH : Providing UPS/Inverter for Vidhansabha complex		Job No 2/		ESTIMATED COST: Rs.4,94,091/-only. EARNEST MONEY: Rs.9900/-only TIME ALLOWED: Six Months		
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1.00	Supplying, erection, testing & commissioning of Pure sine wave Inverter and Online UPS of Following capacity suitable for back-up of power supply as required complete in all respects and to the best satisfaction of Engineer-in-Charge. Makes:- Microtek/Delta power/V-guard					
1.01	Inverter/UPS sinewave 2350 +24V with Plastic trolley	1	24616	Rupees Twenty Four Thousand Six Hundred Sixteen Only	Each	24616
1.02	Inverter/UPS sinewave 3750 +24V without trolley and rack	1	34049	Rupees Thirty Four Thousand Forty Nine Only	Each	34049
1.03	Online UPS 6 KVA with MS rack and interlink cables	1	129419	Rupees One Lacs Twenty Nine Thousand Four Hundred Nineteen Only	Each	129419
1.04	Online UPS 10 KVA	1	191047	Rupees One Lacs Ninety One Thousand Forty Seven Only	Each	191047
2.00	Supplying and fixing the MS open Rack for mounting Batteries and Inverter/UPS with top covered as required complete in all respect.	1	26550	Rupees Twenty Six Thousand Five Hundred Fifty Only	Each	26550

3.00	Supplying, erection, installation & commissioning of unearth maintenance free chemical earthing system consisting of environment friendly ground enhancing compound GEC 50 Kg or as required at site having anticorrosive and hygroscopic properties to replace excavated soil. It should consist of unearth copper bonded electrodes, as per site conditions and soil resistivity at various depth levels and different terrains. The electrodes should have coating of 250 microns of molecularly bonded pure electrolytic copper (99.9%) in 2 metre length, 17.2 mm diameter, terminal joint 200x25x6mm Copper strip with exothermic welds. The electrodes should be duly tested and certified by CPRI for 30 KAS short time current for 1 second r.m.s as required complete in all respects and to the best satisfaction of Engineer-in-Charge.	2	23475	Rupees Twenty Three Thousand Four Hundred Seventy Five Only	Per Metre	46950
4.00	Providing and fixing 20mm x 3mm copper strip on surface or in recess for earth connections etc. as required.	60	691	Rupees Six Hundred Ninety One Only	Per Metre	41460
	Total					494091

Cost schedule of quantity checked and approved - Rs. 494091/-

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- Providing power wiring and 3HP DOL Motor Starters to the AHUs installed in 2nd & 3rd floor of Super Specialty Block, Dr. RPGMC Tanda.

Job No 22

ESTIMATED COST: Rs. 91,772/-only.
EARNEST MONEY: Rs.1900/-only
TIME ALLOWED: One Month

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.					
1.1	4x4 Sq. mm.	60	612.00	Rupees Six Hundred Twelve Only	Per Meter	36720
	Make:- KEI/Anchor/Polycab/GrandLay					
2	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 10 kA, "D" 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.					
2.1	MCB 32 Amp., 4 pole "D" Curve	4	1741.00	Rupees One Thousand Seven Hundred Forty One Only	Each	6964
	Makes:- L&T/Legrand/Schneider.					
3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/isolator)					
3.1	Double door-4 way	4	1548.00	Rupees One Thousand Five Hundred Forty Eight Only	Each	6192
	Makes:- L&T/Legrand/Schneider.					

4	Providing and fixing 3 HP DOL starter motor suitable for AHUs etc. including testing, commissioning and making connections etc. as required complete in all respects.					
4.1	3HP DOL Motor Starter	4	10474.00	Rupees Ten Thousand Four Hundred Seventy Four Only	Each	41896
	Makes:- Siemens/L&T/Schneider.					
	Total					91772

Schedule of quantity checked and approved for Rs. 91772 only

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- Construction of Additional Accommodation to Civil Hospital at Palampur in Tehsil Palampur Distt. Kangra (H.P)(SH:- Providing Air-Conditioning Units therein).						
SR. NO.		DESCRIPTION		QTY.		ESTIMATED COST: Rs 4,87,585/-only. EARNEST MONEY: Rs.9800/-only TIME ALLOWED: Two Months
				FIGURES	RATES WORDS	
1		Supplying,installing,Testing and Commissioning of Split type Air-Conditioner 1.5 TR 3 Star Inverter Split Air Conditioner (Hot & Cold) confirming to I.S.I-1391 Part -1992 with ammendment No. 1 (expect power consumption norms) fitted with Hermetically shielded Air- Conditioner with installation testing & commissioning etc. as required in all respects.				
i		A.C Unit 1.5 Ton Capacity				
		Makes :- Daikin (Model No: Daikin FTHT50 3* HOT & COLD INVERTER 1.5 TR) /O-General/Mitusubshi /Blue star	7	57170.00	Rupees Fifty Seven Thousand One Hundred Seventy Only	Each 400190
2		Supplying and Fixing wall mounting voltage stabilizer of following rating with output 240 volts with voltage regulation range from 130 volt to 280 volts and auto cut off beyond this range and time delay operation for the surges and fluctuations suitable for 1.5/2 TR capacity split type Air-Conditioner including making connections etc. as required complete in all respects. Make :- Godrej/Whirlpool/Microtek.				
i		Automatic Voltage Stabilizer 4 KVA	7	6500.00	Rupees Six Thousand Five Hundred Only	Each 45500
		Makes :- V-Guard/Godrej/Microtek				
3		P/F of M.S out door heavy duty stand powder coated suitable to hang 1.5 TR split A.C with Six Nos. Anchor bolts as required complete in all respects and as per direction of Engineer-in-charge.	7	950.00	Rupees Nine Hundred Fifty Only	Each 6650

4	S/F of Copper tube with insulation for A.C 1.8/2 TR capacity complete in all respects as required.	21	1150.00	Rupees One Thousand One Hundred Fifty Only	Per Meter	24150
5	Supplying and drawing following sizes of FRLS PVC insulated copper conductor 2.5 Sq. mm 3 Core cable in the existing surface/recessed steel/PVC conduit as required.	25	280.00	Rupees Two Hundred Eighty Only	Per Meter	7000
6	S/F of Drain pipe of size 1" Dia (25 mm) complete with elbows tees, socket etc. of superior quality as per satisfaction of Engineer-in-charge.	21	195.00	Rupees One Hundred Ninety Five Only	Per Meter	4095
	Total					487585

Schedule of Quantity checked and approved for Rs 487585 only

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- C/O ITI Building at Balkrupi in Tehsil Jaisinghpur Dist. Kangra HP (SH:- Providing 400 amps phase sequence panel, fan rod , cable etc therein)

Job No 24

ESTIMATED COST: Rs 3,91,681/-only.
EARNEST MONEY: Rs.7900/-only
TIME ALLOWED: One Month

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
	Supplying, Installation, Testing and Commissioning of indoor s/door Cubical type Phase Sequence 400 amps 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 paints per specification Approximate Size of Panel H- 1550 X W-1050 X D- 300MM Assembly of 200A 4 strip copper Bus-Bar (Vertical /Horizontal) & Earth strip through out the length of panel (current density) 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.	1	285421	Rupees Two Lacs Eighty Five Thousand Four Hundred Twenty One Only	P/Job	285421
400A TP AC-1 Duty Contactor with 2NO+2NC Contact					
Phase Loss + Phase Sequence + Under Voltage + Over Voltage Relay					
3Phase 4 Wire					
06A SP 10KA MCB "C" Curve					
Phase Indicating Lamps R-Y-B 220V AC - LED Type					
On (Red) Indicating Lamps 220V AC - LED Type					
Off (Green) Indicating Lamps 220V AC - LED Type					
Auto Manual Selector Switch					
On, Off Selector Switch					
Aluminium Bus Bar :					
400A TPN Aluminium Bus Bars 1*40*10 for RYB Phase and Neutral with color coded heat PVC shrinkable					
INDOOR ENCLOSURE & ACCESSORIES:					
Powder Coated RAL 7035 Light Grey shade MS Cabinet made out of 16SWG (1.6mm thickness) CRCA Sheet Width - 1100mm * Height - 800mm * Depth - 300mm					
Mounting Plates, MS Channels, Partitions & Gland Plates					
Hardware and Accessories - Nuts, Bolts, Washers - Plain & Spring					
Door Hinges (Aluminium Die Cast), Steel Door Locks					
Neoprene Rubber Gaskets - "D" Type, Rubber Grommet					
Transparent Polycarbonate Sheet for covering live parts + Fly Nut + Handle					
"I" Lifting Hooks with Plain & Spring Washer and Bolts					
Inscription Name Plates, Danger Plates, Legends, Lock / Unlock Sticker					
Braded Copper Wires for Feeders Door Earthing with Thimbles					
Wiring & Accessories including labour charges					
PVC Wires, Ferrules Thimbles & Other Wiring Accessories					
PVC Channels, Terminal Strips, End Plates, Dressing					
Materials for Wiring, Buttons, Tie Sticker, Terminal Blocks					

2	Supplying & Fixing Fan rod of 3ft long for ceiling fan including testing commissioning etc as required complete in all respect	200	60	Rupees Sixty Only	P/Mtr	12000
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					
	2x6Sqmm+ 1 X 6 sq. mm earth wire	145	564	Rupees Five Hundred Sixty Four Only	P/Mtr.	81780
	Make :- KEI/Finolex/Anchor/Polycab					
4	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	60	208	Rupees Two Hundred Eight Only	P/Mtr.	12480
	Armoured cable 6 sq. mm (Twin core)					
	Make :- KEI/Finolex/Anchor/Polycab					
	Total					391681

Schedule of quantity checked and approved for ₹ 391681 only

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- C/O Academic BBA & BCA Block in Vikram Batra Govt. Degree College (Third & Fourth Floor) at Palampur in Tehsil Palampur Distt. Kangra (H.P.)(SH:- Providing & Laying Steel Conduit in Slab/Walls therein).

Job No **25**

ESTIMATED COST: Rs. 98,550/-only.
EARNEST MONEY: Rs.2000/-only
TIME ALLOWED: One Year

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	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.					
	25 mm Dia Steel Conduit	425	202	Rupees Two Hundred Two Only	Per Point <i>mdv</i>	85850
2	Supplying and fixing Fan Box with collar 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.	40	160	Rupees One Hundred Sixty Only	Per Meter <i>mdv</i>	6400
3	Supplying and fixing Deep Junction box long neck thread type 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.	60	105	Rupees One Hundred Five Only	Per Meter <i>mdv</i>	6300
	Total					98550

mdv
Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- Replacement of old and unrepairable FTL Luminaires with LED Fitting in the room's of Cabinet Ministers in Mini Sectt building at Dharamshala.

Job No **26**

ESTIMATED COST: Rs 3,50,121/-only
EARNEST MONEY: Rs.7100/-only
TIME ALLOWED: Six Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1.00	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required Make :- Anchor/GoldMeda/SSK					
1.01	S.P. 5/ 6 Amps one way switch, piano type.	10	42	Rupees Forty Two Only	Each	420
1.02	Bell push, piano type.	2	71	Rupees Seventy One Only	Each	142
1.03	S.P. 15/16 Amps one way switch, porcelain base/ piano type.	5	116	Rupees One Hundred Sixteen Only	Each	580
1.04	5 pin 5/ 6 Amps socket outlet, porcelain base/ piano type.	5	57	Rupees Fifty Seven Only	Each	285
1.05	6 pin 15/16 Amps socket outlet, porcelain base/ piano type.	5	123	Rupees One Hundred Twenty Three Only	Each	615
2.00	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required Make :- L&T/Legrand/Schneider					
2.01	Bell push, Modular.	2	156	Rupees One Hundred Fifty Six Only	Each	312
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 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc as required. Make :- L&T/Legrand/Schneider	2	469	Rupees Four Hundred Sixty Nine Only	Each	938

4.00	Supplying and fixing suitable size GI box with modular plate and cover in FRL Sont 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 :- L&T/Legrand/Schneider	2	621	Rupees Six Hundred Twenty One Only	Each	1242
5.00	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required.- Make :- Anchor/GoldMedal/Havells	2	206	Rupees Two Hundred Six Only	Each	412
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)	5	239	Rupees Two Hundred Thirty Nine Only	Each	1195
6.02	Single pole 16/32 Amp (Make:- Schneider/ Legrand/L&T)	5	239	Rupees Two Hundred Thirty Nine Only	Each	1195
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	40 Amps. (Make:-Schneider/ Legrand/L&T)	2	426	Rupees Four Hundred Twenty Six Only	Each	852
7.02	63 Amps. (Make:- Schneider/ Legrand/L&T)	2	530	Rupees Five Hundred Thirty Only	Each	1060
8.00	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of Expansion-bolts in the wall, providing washers, including embedding of expansion-bolts in the wall, providing and fixing of Non-return valve. Dead weight safety valve, 2 No C.P. connection rods 18" long, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required.-					

8.01	10 Liter capacity water heater (Cat-A) Makes: Usha/Bajaj/Racold	1	10507	Rupees Ten Thousand Five Hundred Seven Only	Each	10507
9.00	Providing and fixing LED tube fixture (including the cost of Batten/channel and LED Lamp) suitable for surface application with the use of the latest technology 18 watt (1800 Lumen) 6000K and it should be compatible with specification i.e. Power Factor \geq 0.9, Harmonic Distortion \leq 10% and efficacy \geq 100 Lumens per watt, CRI ratings $>$ 80 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. Makes: Havells/ Bajaj/ Philips /Wipro.	10	867	Rupees Eight Hundred Sixty Seven Only	Each	8670
10.00	Providing and fixing LED Mirror Light 10 W+/- 1W with Surface Mounted 2 Feet with Polycarbonate diffuser complete with all accessories, including connections, testing and commissioning etc.as required complete in all respects. Makes:- Panasonic/Mipro/Bajaj.	10	327	Rupees Three Hundred Twenty Seven Only	Each	3270
11.00	Supplying and fixing LED lamps of following watt with polycarbonate diffuser on the existing light point as required complete in all respect .Make :- Wipro/Havells/Philips					
11.01	LED Lamp 0.5 watt (Red and Green)	18	80	Rupees Eighty Only	Each	1440
11.02	LED Lamp 12 watt	18	199	Rupees One Hundred Ninety Nine Only	Each	3582
12.00	Supplying and drawing copper conductor, multicore cable in the existing surface/ recessed steel/ PVC conduit as required complete in all respects.					
12.01	Two core 1.0 sqmm	20	61	Rupees Sixty One Only	Each	1220
13.00	Supplying and fixing following type Plug Top on the existing Light Point, Heat Pillar, Room Heater including connections etc. as required complete in all respects. Make:-GoldMedal/Anchor/AT					

13.01	16 amps 3 Pin Plug Top	10	95	Rupees Ninety Five Only	Each	950
14.00	Supplying and fixing wireless door bell as required complete in all respects:- Make:-GoldMedal/Anchor/Havells	3	671	Rupees Six Hundred Seventy One Only	Each	2013
15.00	Providing and Fixing of Following type Rods for Heat Pillar and Room Heater as required complete in all respects.					
15.01	Heat Pillar Rod 750 watt	10	500	Rupees Five Hundred Only	Each	5000
16.00	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 MCB 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:-L&T/Legrand/Schneider					
16.01	Double door 2+12 way (MCB+6+36) module.	1	13628	Rupees Thirteen Thousand Six Hundred Twenty Eight Only	Each	13628
17.00	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:-L&T/Legrand/Schneider					
17.01	MCCB 32-100 Amp	1	5436	Rupees Five Thousand Four Hundred Thirty Six Only	Each	5436

18.00	Providing and Fixing of LED fixture 600mmX600mm of following Watt +/- 1W Surface/Recess mounted fixture with HET Plastic diffuser with minimum system lumen efficacy of 100 lm/W with CRCA housing having P.F.>0.95 with THD<10%, CRI 80. The LED with Useful life of 50000 Hrs at L70. The LEDs used in the luminaire shall have CCT of 5700 K with CRI of minimum 80. 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. With 5 Year Warranty.					
18.01	LED Panel 2'x2' 36 watt Makes: Wipro/ Panasonic/ Philips	57	4209	Rupees Four Thousand Two Hundred Nine Only	Each	239913
19.00	Supplying and fixing two rotary socket size stepped type electronic fan regulator on the existing switch box including connections etc. as required.	27	258	Rupees Two Hundred Fifty Eight Only	Each	6966
20.00	Providing and Fixing of LED fixture of following watt +/- 1 W LED Surface/recess Mounted Downlighter Round Shape with minimum system lumen efficacy of 100 lm/W with Polycarbonate housing, pressure die cast heat sink 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 with CRI of minimum 80. 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. With 5 Year Warranty.					
20.01	LED Surface/Recess mounting round downlighter 18 watt Makes:- Philips /Wipro/ Bajaj.	15	1821	Rupees One Thousand Eight Hundred Twenty One Only	Each	27315
21.00	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.					

21.01	Exhaust Fan, Light duty, (Domestic) 300 mm sweep (Make: Usha /Bajaj /Anchor /Crompton.	1	2269	Rupees Two Thousand Two Hundred Sixty Nine Only	Each	2269
21.02	Exhaust Fan, Heavy duty, (Domestic) 300 mm sweep (Make: Usha /Bajaj /Anchor /Crompton.	2	4347	Rupees Four Thousand Three Hundred Forty Seven Only	Each	8694
	Total					350121

Schedule of quantity checked and approved for Rs 350121 only

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- Providing and Fixing Air Conditioning System in the Cabinet Hall of Mini Sectt. Building at Dharamshala.		Job No. 27		ESTIMATED COST: Rs 4,90,607/-only. EARNEST MONEY: Rs.9900/-only TIME ALLOWED: Six Months		
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1.00	Supplying, installation, testing and commissioning of following capacity (Hot & Cold) Inverter Split type Air-Conditioning unit of following make including making connections etc. as required complete in all respects..					
1.01	A.C. Unit 1.0 Ton capacity (Split Inverter)	1	47620.00	Rupees Forty Seven Thousand Six Hundred Twenty Only	Each	47620
1.02	A.C. Unit 1.8/2.0 Ton capacity (Split Inverter)	5	57150.00	Rupees Fifty Seven Thousand One Hundred Fifty Only	Each	285750
1.04	Makes:- Daikin/ O-General /Mitsubishi/Voltas					
2.00	Supplying and fixing wall mounting voltage stabilizer of following rating with output 240 volts with voltage regulation range from 130 volt to 300 volt and auto cut off beyond this range and time delay operation for the surges and fluctuations suitable for 1T.R./2 T.R. capacity split type Air-Conditioner including making connections etc. as required complete in all respects.					
2.01	Automatic Voltage Stabilizer 4 kVA	1	5782.00	Rupees Five Thousand Seven Hundred Eighty Two Only	Each	5782
2.02	Automatic Voltage Stabilizer 5 kVA	5	6497.00	Rupees Six Thousand Four Hundred Ninety Seven Only	Each	32485

2.03	Makes:- Voltas/MicrotekV-Guard					
3.00	Providing & fixing of M.S. Outdoor heavy duty stand powder coated suitable suitable to hang 1.5/2.0 TR Split type AC with six nos. anchor bolts as required complete in all respects and as per direction of Engineer in charge.	5	950.00	Rupees Nine Hundred Fifty Only	Each	4750
4.00	Providing & fixing of extra copper tubes for refrigerant and condensate of following sizes different capacity split type A.C. units including the cost of Nitrite Tubular Insulation etc. as required complete in all respects.					
4.01	1/2" x 1/4" for 1.0/1.5 TR capacity AC Unit	5	1250.00	Rupees One Thousand Two Hundred Fifty Only	Per Meter	6250
4.02	1/4" x 5/8" for 2.0/2.5 TR capacity AC Unit	15	1450.00	Rupees One Thousand Four Hundred Fifty Only	Per Meter	21750
5.00	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.	65	195.00	Rupees One Hundred Ninety Five Only	Per Meter	12675
6.00	Supplying and fixing of DLP trunking size 105mmx50mm for covering of copper 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	1250.00	Rupees One Thousand Two Hundred Fifty Only	Per Meter	25000
7.00	Providing and laying of communication wire 2.5 Sq.mm. (4 core) as required complete in all respects and as per direction and satisfaction of Engineer in charge.	40	350.00	Rupees Three Hundred Fifty Only	Per metre	14000
8.00	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					
8.01	2 X 6 sq. mm + 1 X 6 sq. mm earth wire Make :- KEI/Polycab/Anchor	55	564.00	Rupees Five Hundred Sixty Four Only	Per metre	31020

9.00	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. Make :- L&T/Legrand/Anchor	5	705.00	Rupees Seven Hundred Five Only	Each	3525
	Total					490607

Schedule of quantities checked and approved for Rs. 490607/- only

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- Repair / Maintenance of HPPWD Rest House at Dadh in Tehsil Nagrota Bagwan Distt. Kangra HP(SH:- Bolland Light , Bulk Head , Armoured cable ,36 Watt Strip etc. Therein)				Job No <u>28</u>		ESTIMATED COST: Rs 2,72,978/-only EARNEST MONEY: Rs.5500/-only TIME ALLOWED: One Month	
SR. NO.	DESCRIPTION	QTY.	FIGURES	RATES WORDS		UNIT	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 steel conduit as required						
	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	25	371	Rupees Three Hundred Seventy One Only		P/Mtr.	9275
	2x6Sqmm+ 1 X 6 sq. mm earth wire	20	597	Rupees Five Hundred Ninety Seven Only		P/Mtr.	11940
	Make :-KEI/Polycab/Grandlay/Anchor						
2	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel PVC conduit as required						
	3x2.5 sq mm	30	142	Rupees One Hundred Forty Two Only		P/Mtr.	4260
	Make :-KEI/Polycab/Grandlay/Anchor						
3	Providing and fixing LED Batten of 40 watt of to enhance the delight ofwith comfortableexperience through its classic design & glare free illumination of make as per cat. No. ZD-LTD010-40 Watt complete with connection testing ,commissioning etc. as requiredin all respect.						
	LED Batten 40 watt downlight	2	2417	Rupees Two Thousand Four Hundred Seventeen Only		Each	4834
	Make Clair/ Bjaaj/ Wipro						

4	Providing and installation of IP65 LED Bulk Head 10 W +/- 1 W LED with system with efficacy 100 lm/W with Aluminium housing and P.F ≥ 0.95 with THD <10%, CCT 5700 K, CRI 70, Surge protection 4 Kv. The LED with useful life of 50000 Hrs at L70. The input voltage range shall be 150V to 270V. With 5 Year Warranty.	5	1689	Rupees One Thousand Six Hundred Eighty Nine Only	Each	8445
	Makes :- Wipro (Cat. No.:-LW07-141-XXX-57-G1) Philips/Bajaj					
5	Providing & Fixing 36 watt LED Lamp (warm white) with adaptor in the existing fitting with testing ,commissioning ,etc. complete in all respect with satisfaction of engineer in charge	10	6800	Rupees Six Thousand Eight Hundred Only	Each	68000
6	Providing & Fixing 4 way polycarbonate box in the existing pole with testing ,commissioning ,etc. complete in all respect with satisfaction of engineer in charge	12	1100	Rupees One Thousand One Hundred Only		13200
7	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.	230	208	Rupees Two Hundred Eight Only	P/Mtr.	47840
	Armoured cable 6 sq. mm (Twin core)					
	Make :- KEI , Grandlay , Finolex					
8	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.	16	229	Rupees Two Hundred Twenty Nine Only	Each	3664
	16 Amp Single pole. Cat-A.	6	229	Rupees Two Hundred Twenty Nine Only	Each	1374
	L&T/Legrand/Schneider make					
9	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					

	63 Amps. Cat-A.	1	512	Rupees Five Hundred Twelve Only	Each	512
	L&T/Legrand/Schneider make					
10	Providing and installation of of Bolard light 10 W +/- 1 W LED with system with efficacy 100 lm/W with Aluminium housing and P. F ≥ 0.95 with THD <10%, CCT 5700 K, CRI 70, Surge protection 4 Kv. The LED with useful life of 50000 Hrs at L70. The input voltage range shall be 150V to 270V . With 5 Year Warranty.					
	Cat No. Clear Make CLVLBD-15W /wipro/ Bajaj	10	9186	Rupees Nine Thousand One Hundred Eighty Six Only	Each	91860
	Makes :- Wipro (Cat No.:-LW07-141-XXX-57-G1) Philips/Bajaj					
11	Providing and installation of flood light 50 W +/- 1 W LED with system with efficacy 100 lm/W with Aluminium housing and P. F ≥ 0.95 with THD <10%, CCT 5700 K, CRI 70, Surge protection 4 Kv. The LED with useful life of 50000 Hrs at L70. The input voltage range shall be 150V to 270V . With 5 Year Warranty.					
	Cat No. Twinkle Make Lux Max-FL- MB -50W /wipro/ Bajaj	2	3887	Rupees Three Thousand Eight Hundred Eighty Seven Only	Each	7774
	Makes :- Wipro (Cat No.:-LW07-141-XXX-57-G1) Philips/Bajaj					
	Total					272978

Schedule of quantities checked and approved for ₹ 272978/- only

Executive Engineer
Electrical Division
HPPWD Palampur