

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

No.: PW/EDP/CB/TA/CONT/2023-24/- 8988-96

Dated: 09/03/2024

To


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

Subject: Publishing of Tender Notice.

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


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

DA/NIT,SQs


Executive Engineer
Electrical Division
HP PWD Palampur

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

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


Executive Engineer
Electrical Division
HP PWD Palampur

**HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT**

"Notice Inviting Tenders"

Sealed percentage rate tenders on form 6&8 are hereby invited by the Executive Engineer, Electrical Division, HP PWD Palampur on behalf of the Governor of H.P. for the following work from the approved and eligible contractors enlisted in HP.PWD, (Elect.) whose registration stood renewed as per revised rules and also registered under the H.P. General Sales Tax Act. 1968 so as to reach in his office on or before **14-03-2024** 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 **13-03-2024** up to 4.00 P.M. and the application for issue of tender form shall be received on **12-03-2024** 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	C/O Dormitory in HPPWD Rest House at Dadh in Tehsil Palampur Distt. Kangra (H.P)(SH:- Providing E.I. therein).	113543/-	2300/-	Six Months	8	350/-
2	Providing and Fixing of Main Panel to Mammography Machine Area Radiology Department at Dr. RPGMC Kangra at Tanda in Distt. Kangra (H.P)	302503/-	6100/-	Three Months	8	350/-
3	C/O Store (i/c Junior Engineer residence) on Bharmour to Hadsar road at Gala Katai in Tehsil Bharmour and District Chamba(H.P).Under RMSA(SH:-Providing E.I. therein).	288726/-	5800/-	One Year	8	350/-
4	Repair and Maintenance of Toilet Block at Main Girls Hostel Dr. RPGMC Kangra at Tanda (SH:- Providing E.I. therein).	492040/-	9900/-	Three Months	8	350/-
5	Replacement of burnt out Sub main panel, Sub Main wiring with safety devices in Civil Hospital Shahpur, Distt. Kangra (H.P).	359637/-	7200/-	Three Months	8	350/-
6	Replacement of old FTL fixtures, switch/sockets, geysers and other old/damaged electrical accessories etc. inSatluj Hostel at Dr. RPGMC Kangra at Tanda.	498956/-	10000/-	Three Months	8	350/-
7	Replacement of old damaged Lights with new LED street lights, gate Lights in the Campus of HPPWD Rest House Pragpur in Tehsil Dehra, Distt. Kangra (H.P).	111319/-	2300/-	One Month	8	350/-

8	Repair and Maintenance of 01 No. 750 KVA DG Set No. II installed in Super Specialty Block at Dr. RPGMC Kangra at Tanda for the year 2023-24.	346816/-	7000/-	One Year	8	350/-
9	Providing and installation of online UPS 02 KVA for additional power back-up along with wiring in 120 Nos. New Girls Hostel and P.G. Hostels for Boys & Girls, Dr. RPGMC Kangra at Tanda.	366950/-	7400/-	Two Months	8	350/-
10	C/O Additional Accommodation in Govt. High School Building at Nana Haar in Tehsil Jawali Distt. Kangra (HP).(SH:- C/O Three Nos. Class rooms on First Floor including Verandah and Stair case)(Providing E.I. therein).	274983/-	5500/-	One Year	8	350/-
11	Replacement of old FTL fixtures with new LED fixtures in MRI Corridor & Waiting area in the Radiology Deptt. Treatment Block of 500 bedded hospital Dr. RPGMC Kangra at Tanda.	242817/-	4900/-	Two Months	8	350/-
12	Replacement of old and Damaged light fixtures With LEDs inside the SardarShobha Singh Auditorium, Dr. RPGMC Kangra at Tanda.	135528/-	2800/-	Two Months	8	350/-
13	Replacement of batteries for 5 KVA UPS in cytology & hematology labs, Department of Pathology Paraclinic Block. Dr. RPGMC Kangra at Tanda.	126833/-	2600/-	One Month	8	350/-
14	C/O Old and New Block of Circuit House Dharamshala Distt. Kangra (H.P)(Engagement of E.I. Maintenance staff i.e. Electrician Grade-II (Electrical)in Circuit House (Old and new block) for One Year.	238680/-	4800/-	One Year	8	350/-
15	C/O Five Rooms at Govt. Sr. Sec. School Nahlian in Tehsil Khundian, Distt. Kangra (H.P)(SH:- C/O 3 Rooms in GF & 2 Rooms in FF with Verandah). (SH:- Providing E.I. therein).	311149/-	6300/-	One Year	8	350/-
16	Providing of 02 Nos. Earthing system Mini Secretariat Building at Bharmour in Tehsil Bharmour Distt. Chamba (HP).	48296/-	1000/-	Two Week	8	350/-
17	Replacement of existing old and damaged Campus Lighting into new one in the Rest House of HP PWD at Fatehpur (Back Side) in Tehsil Fatehpur Distt. Kangra (HP).	152574/-	3100/-	Six Months	8	350/-
18	Replacement of existing old and damaged Campus Lighting into new one in the Rest House of HP PWD at Fatehpur (Front Side) in Tehsil Fatehpur Distt. Kangra (HP).	479275/-	9600/-	Six Months	8	350/-
19	Replacement of compressors and other accessories of Air-conditioning unit s installed in Maharaja Sansar Chand Guest House of Dr. RPGMC Kangra at Tanda.	78870/-	1600/-	Two Months	8	350/-

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SCHEDULE OF QUANTITY

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

job No 1

ESTIMATED COST: Rs.1,13,543/-only.
EARNEST MONEY: Rs.2300/-only
TIME ALLOWED: Six Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.					
	Group C.	9	1858	Rupees One Thousand Eight Hundred Fifty Eight Only	Per point	16722
	Havells/KEI/Plaza make					
2	supplying and fixing following type of Surface mounted luminaire , white power coated CRCA housing diffuser to avoid glare, it should be compatible with specification i.e. Power Factor> 0.9, Harmonic Distortion < 10% and efficacy> 100 lumens per watt, CRI rating >70 Suitable for input voltage AC 220-240 V , 50 Hz, Complete with all accessories , connections,testing and commissioning etc. as required with 5 years warranty					
	LED Batten light 40 W	2	2318	Rupees Two Thousand Three Hundred Eighteen Only	Each	4636
	Make Clair Cat. no. ZD-LTD010-40/ Bja/ Wipro					
3	Providing, Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required.					

	Ceiling Fan 1200 mm sweep, with 5 star rating .	3	4386	Rupees Four Thousand Three Hundred Eighty Six Only	Each	13158
	Makes :-Ceiling Fan 1200 mm sweep, Category-A usha 5 Star, Philips, Bajaj					
4	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required:-					
	Exhaust Fan, Light duty, (Domestic) 300 mm sweep (Usha, Bajaj, Crompton make)	1	2334	Rupees Two Thousand Three Hundred Thirty Four Only	Each	2334
5	Supplying and fixing call bell/buzzer suitable for single phase, 230 volts, complete as required.	1	189	Rupees One Hundred Eighty Nine Only	Each	189
	Gold Medal/Ankor make					
6	Supplying and fixing suitable size G I box with modular plate and cover in front on surface or in recess including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required.	2	591	Rupees Five Hundred Ninety One Only	Each.	1182
	L&T/Legrand/Schneider make					
7	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
	L&T/Legrand/Schneider make					
8	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit along with 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	18	478	Rupees Four Hundred Seventy Eight Only	P/Mtr.	8604
	Havells/KEI/Plaza make					

9	Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 2 Nos 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required. Havells/KEI/Plaza make	15	760	Rupees Seven Hundred Sixty Only	P/Mtr.	11400
10	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	20	401	Rupees Four Hundred One Only	P/Mtr.	8020
	2x6Sqmm+ 1 X 6 sq. mm earth wire	11.313	664	Rupees Six Hundred Sixty Four Only	P/Mtr.	7512
	Havells/KEI/Plaza make					
11	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel PVC conduit as required 3x2.5 sq mm	5	172	Rupees One Hundred Seventy Two Only	P/Mtr.	860
	Havells/KEI/Plaza make					
12	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, neutral link, earth bar, din-bar, interconnections, powder painted, including earthing etc. as required:- (But without MCB/RCCB/isolator)					
	Double door- 8 way	1	1544	Rupees One Thousand Five Hundred Forty Four Only	Each	1544
	L&T/Legrand/Schneider make					

13	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.	1	268	Rupees Two Hundred Sixty Eight Only	Each	268	
	16 Amp Single pole. Cat-A.	3	268	Rupees Two Hundred Sixty Eight Only	Each	804	
	L&T/Legrand/Schneider make						
14	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
	40 Amps. Cat-A.	1	504	Rupees Five Hundred Four Only	Each	504	
	L&T/Legrand/Schneider make						
15	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 miliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
	40 Amps. Cat-A.	1	2720	Rupees Two Thousand Seven Hundred Twenty Only	Each	2720	
	L&T/Legrand/Schneider make						

16	Providing and erection of LED 20 watt street light luminaries of Crompton Greaves Electric having cat No. /ordering code LSTS-20-CDL-M, powder coated pressure die-cast aluminium SMDLED streetlight with heat resistant toughened glass it should be compatible with specification i.e. power factor ≥ 0.9 , Harmonic Distortion $< 10\%$ and efficiency ≥ 100 Lumens per watt, CRI ratings > 70 suitable for input voltage: AC 220-240 V, 50 Hz, with 5- years warranty including connection, testing and commissioning etc. as required.						
	Street light fixture 20 watt LED with Lens, Make: Crompton (cat No. LSTS-20-CDL-M)/Bajaj/Wipro	3	1921	Rupees One Thousand Nine Hundred Twenty One Only	Each	5763	
17	Supplying and erection of Street light Bracket made of G.I. pipe A class of 40mm dia G.I pipe heavy class	3	921	Rupees Nine Hundred Twenty One Only	Each	2763	
18	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of Expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required:-						
	Geyser 25 Ltrs	1	10298	Rupees Ten Thousand Two Hundred Ninety Eight Only	Each	10298	
	Make :- Usha,Bajaj, Crompton						
19	Supplying and fixing following type of LED Mirror light luminaire, white power coated CRCA housing diffuser to avoid glare, it should be compatible with specification i.e. Power Factor > 0.9 , Harmonic Distribution $< 10\%$ and efficacy > 100 lumens per watt, CRI rating > 70 suitable for input voltage : AC 220-240 V, 50 Hz, complete with all accessories, connections, testing and commissioning etc. as required. with 5 year warranty.						
	LED Mirror light 5 watt	1	355	Rupees Three Hundred Fifty Five Only	Each	355	

	Make : Cat No. CCS-103-50-65-SL-DP-NWH/ BAJAJ						
20	Supplying and fixing PVC batten Holder / Angle holder including connection etc. as required	3	96	Rupees Ninety Six Only	Each	288	
21	Providing and installation of LED fixture 15 W +/- 1 W LED Square Surface Mounted Downlighter Round Shape with minimum system lumen efficacy of 85 lm/W with and P. F > 0.95 with THD <20%, CCT 6000 K, CRI 80. The LED with useful life of 50000 Hrs at L70. The input voltage range shall be 150V to 270V with 5 years warranty						
	Make:- Crompton/Bajaj/Wipro	4	2474	Rupees Two Thousand Four Hundred Seventy Four Only	Each	9896	
22	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 years warranty	1	1443	Rupees One Thousand Four Hundred Forty Three Only	Each	1443	
	Makes :- Wipro (Cat. No.:-LW07-141-XXX-57-G1) Philips/Bajaj.						
	Total					113543	

Draft schedule of quantity checked and approved
10/04/13 113543/2

H
 Executive Engineer
 Electrical Division
 HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- Providing and fixing of Main Panel to Mammography Machine Area Radiology Department at Dr. R.P.G.M.C Kangra at Tanda in Distt. Kangra (H.P.).

job No 2

ESTIMATED COST : Rs.3,02,503/-only.
EARNEST MONEY : Rs.6100/-only
TIME ALLOWED: Three Months

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	4 X 16 sq. mm + 2 X 6 sq. mm earth wire (Make:-KEI / Anchor / Plaza)	65	1779.00	Rupees One Thousand Seven Hundred Seventy Nine Only	P/Mtr	115635
2	Supplying and erection of Sub-main distribution board (SMDBs) 4-ways (Height 937 mm x Width 670 mm x Depth 208.50mm), with incomer of 320 Amp MCCB and outgoing of 4 Nos. MCCB (2 Nos. 160Amp and 2 Nos. 100 Amp) with integration protection IP-63 and compliance with IEC-61439 alongwith metering box, bottom cabling box, side cabling box left & right, metering extension, corner box etc. with epoxy power coating etc. complete in all respects and to the best satisfaction of Engineer-in-charge.	1	186868.00	Rupees One Lacs Eighty Six Thousand Eight Hundred Sixty Eight Only	P/Job	186868
2.1	Sub-main distribution board SMDB 4 Way					
	Makes:- L&T (Cat.No. DA40D1044CZZ0) Legrand Havells					
	Total					302503

Draft schedule of quantity checked and approved
July 30 2023

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- C/O Store (I/c Junior Engineer residence) on Bharmour to Hadsar road at Gala Katai in Tehsil Bharmour and District Chamba (H.P.) Under RMSA (Sh:- Providing E.I. therein.)

Job No **3**

ESTIMATED COST: Rs.2,88,726/-only.
EARNEST MONEY: Rs.5800/-only
TIME ALLOWED: One Year

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with modular switch, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.					
	Make:- Legrand (Myrius)/ Schneider(Livia)/Anchor Roma (Plus) /KEI/Plaza/Havells					
i	Group A.	19	1297	Rupees One Thousand Two Hundred Ninety Seven Only	Per point	24643
2	Wiring for twin control light point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with 2-way, 5/6 amps. 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.					
	Make:- Legrand (Myrius)/Schneider(Livia)/Anchor Roma (Plus) /KEI/Plaza/Havells					
i	Group A.	1	1497	Rupees One Thousand Four Hundred Ninety Seven Only	Per point	1497

3	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq. mm. FRLS PVC insulated copper conductor single core cable etc as required. Make: Anchor (Pantaj)/SSK(Touch)/KEI/Plaza/Havells					
	Group C.	21	1858	Rupees One Thousand Eight Hundred Fifty Eight Only	Per point	39018
4	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No. HRFR/S/PVC insulated single core copper conductor cable of same size for earthing as required. Make: KEI/Plaza/Anchor					
i	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	54	401	Rupees Four Hundred One Only	Per metre	21654
ii	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	63	477	Rupees Four Hundred Seventy Seven Only	Per metre	30051
iii	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	5	800	Rupees Eight Hundred Only	Per metre	4000
5	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required. Make:KEI/Plaza/Anchor					
i	3x2.5 Sq. mm.	20	172	Rupees One Hundred Seventy Two Only	Per metre	3440

6	Wiring for circuit / sub-main with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.4 Sq.mm. (4X4+2X4)HRFR/LS/PVC insulated single core copper conductor cable for earthing as required. Make:-KEI/Anchor/Plaza	44	787	Rupees Seven Hundred Eighty Seven Only	Per metre	34628
7	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. Make:- Legrand (Myrius)/Schneider(Livia) /Anchor Roma (Plus)	11	591	Rupees Five Hundred Ninety One Only	Each	6501
8	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. Make:- Legrand (Myrius)/Schneider(Livia) /Anchor Roma (Plus)	9	760	Rupees Seven Hundred Sixty Only	Each	6840
9	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 nos. 3 pin 5/6 amps modular socket outlets and 3 nos 5/6 amps modular switches, connection etc. as required. (For light plugs to be used in non residential buildings). Make:- Legrand (Myrius)/ Schneider(Livia)/Anchor Roma (Plus)	1	1375	Rupees One Thousand Three Hundred Seventy Five Only	Each	1375
10	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 3 pin 5/6 amps modular socket outlets and 2 nos 5/6 amps modular switches, connection etc. as required. (For light plugs to be used in non residential buildings). Make:- Legrand (Myrius)/Schneider(Livia)/Anchor Roma (Plus)	1	939	Rupees Nine Hundred Thirty Nine Only	Each	939

11	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required. Makes:- Legrand (Myrius)/Schneider(Livia)/Anchor Roma (Plus)							
	T.V Socket outlet, modular.	1	125	Rupees One Hundred Twenty Five Only	Each	125		
12	Supplying and drawing co-axial TV cable, RG-6 grade, 0.7mm (75 Ohms) copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface / recessed, steel / PVC conduit as required. Make:-Anchor/KEI/Plaza	15	36	Rupees Thirty Six Only	Per mtr.	540		
	1 Pair							
13	Supplying and fixing of following sizes of PVC conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required:- Make:-Anchor/BEC/Diplast							
	25 mm. dia	15	116	Rupees One Hundred Sixteen Only	Per mtr	1740		
14	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required:- Make:-GoldMedal/SSK/Anchor	2	183	Rupees One Hundred Eighty Three Only	Each	366		
15	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required:- Make:-Usha/Bajaj/Anchor							
	Exhaust Fan, Light duty, (Domestic) 300 mm sweep	3	2289	Rupees Two Thousand Two Hundred Eighty Nine Only	Each	6867		

16	Providing and fixing decorative extruded tube fixture having high quality design suitable for LED tube up to 20Watt (2000 lumen) 6500K and it should be compatible with specifications i.e. power factor ≥ 0.9 , harmonic distortion $\leq 10\%$ and efficacy ≥ 100 lumens per watt, CRI > 80 , suitable for input voltage AC 220-240V, 50/60 Hz, including one no. tube rod 20 Watt complete with all accessories, connections, testing and commissioning etc. as required. with 5 year warranty.					
	Make:-Bajaj/Panasonic/Wipro.					
i	LED Tube Fixture 20Watt	5	978	Rupees Nine Hundred Seventy Eight Only	Each	4890
	Cat No: BCLAB 20W LED P					
17	Supplying and fixing surface mounting following size LED solution suitable for surface application with the use of the latest technology 6/12/18 Watt (600/1200/1800 lumen) 6500K and it should be compatible with specifications i.e. power factor ≥ 0.9 , harmonic distortion $\leq 10\%$ and efficacy ≥ 100 lumens per watt, CRI > 80 , suitable for input voltage AC 220-240V, 50/60 Hz complete with all accessories, connections, testing and commissioning etc. as required. with 5 year warranty.					
	Make:-Crompton/Panasonic/ Wipro					
	Square/Round LED Down Light 12 Watt	16	784	Rupees Seven Hundred Eighty Four Only	Each	12544
	Cat No: LCDSPLN-12-CDL					
18	Supplying and fixing surface mounting following size LED solution suitable for surface application with the use of the latest technology 42 Watt (4200 lumen) 6000K and it should be compatible with specifications i.e. power factor ≥ 0.9 , harmonic distortion $\leq 10\%$ and efficacy ≥ 100 lumens per watt, CRI > 80 , suitable for input voltage AC 220-240V, 50/60 Hz complete with all accessories, connections, testing and commissioning etc. as required. with 5 year warranty.					
	Make:-Panasonic/ BAJAJ/Wipro					

	Sauver (Surface) 42W/1ft.x4ft.	1	5571	Rupees Five Thousand Five Hundred Seventy One Only	Each	5571
	Cat No:LSVR003S042XC					
19	Providing and fixing LED Bulk head of following rating with pressure die casting aluminium housing and it should be compatible with specification i.e. Power Factor \geq 0.9, Harmonic Distortion <20% and efficacy \geq 100 Lumens per watt, CRI ratings > 70 suitable for input voltage: 220-240 V, 50 Hz, complete with all accessories, connections, testing and commissioning etc. as required with 5 year warranty. Make- Bajaj,Panasonic,Wipro					
	LED Bulk head 10Watt Cat No: BIBWP 10W LED	5	1324	Rupees One Thousand Three Hundred Twenty Four Only	Each	6620
	Cat No: PSTM27458					
20	Providing and fixing 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 specification i.e. Power Factor \geq 0.9, Harmonic Distortion <20% and efficacy \geq 100 Lumens per watt, CRI ratings > 70 suitable for input voltage: 220-240 V, 50 Hz, complete with all accessories, connections, testing and commissioning etc. as required with 5 year warranty. Make- Bajaj,Panasonic,Wipro					
	LED Street Light, 45 Watt	1	4689	Rupees Four Thousand Six Hundred Eighty Nine Only	Each	4689
	Cat No: PSTM27458					

21	Providing and fixing decorative extruded tube fixture having high quality design suitable for LED tube up to 10Watt (Mirror Light)(1000 lumen) 6500K and it should be compatible with specifications i.e. power factor \geq 0.9, harmonic distortion \leq 10% and efficacy \geq 100 lumens per watt, CRI $>$ 80, suitable for input voltage AC 220-240V, 50/60 Hz, including one no. tube rod 10 Watt complete with all accessories, connections, testing and commissioning etc. as required with 5 year warranty. Make- Jaquar, Panasonic, Wipro						
	Mirror light LED 10Watt	2	534	Rupees Five Hundred Thirty Four Only	Each	1068	
	Cat No: LL20-111-111-XXX-65NE3						
22	Supplying and fixing bakelite batten/angle holder including connections etc. as required. - Make:- GoldMedal/SSK/Anchor	6	98	Rupees Ninety Eight Only	Each	588	
	Supplying and fixing LED retrofit lamp suitable for B-22 holder base fittings with polycarbonate diffuser and aluminium heat sink as required complete in all respects with 5 year warranty.						
	9 Watt LED, B-22	6	199	Rupees One Hundred Ninety Nine Only	Each	1194	
	Makes:- Tisva (Cat.No.AL916611R 9W/ B22) /Panasonic / Osram.						
23	Supplying & fixing suitable size GI box with modular plate and cover in front on surface or in recess i/c providing and fixing 25 amp modular socket outlet and 25 Amps modular SP MCB, "C" curve including connection, painting etc. as required:- Make:- Legrand (Myrius)Schneider(Livia)/Anchor Roma (Plus)	2	785	Rupees Seven Hundred Eighty Five Only	Each	1570	

24	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:- Make:-Usha/Recold/Bajaj						
i	10 Liter capacity water heater (Cat-A)	1	8366	Rupees Eight Thousand Three Hundred Sixty Six Only	Each	8366	
ii	25 Liter capacity water heater (Cat-A)	1	10298	Rupees Ten Thousand Two Hundred Ninety Eight Only	Each	10298	
25	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:- (Make:- L&T/ Legrand/ Schneider)						
i	Double door-12 way	1	2326	Rupees Two Thousand Three Hundred Twenty Six Only	Each	2326	
ii	Double door-16 way	1	2971	Rupees Two Thousand Nine Hundred Seventy One Only	Each	2971	
26	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of Single pole in the existing MCB DB complete with connections etc. as required:- Cat-A. (Make:- L&T/ Legrand/ Schneider)	18	268	Rupees Two Hundred Sixty Eight Only	Each	4824	

27	Supplying and fixing 63 Amps. 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. (Make:- L&T/Legrand/Schneider)	2	3405	Rupees Three Thousand Four Hundred Five Only	Each	6810
28	Supplying and fixing 63 Amps. rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. (Make:- L&T/Legrand/Schneider)	2	619	Rupees Six Hundred Nineteen Only	Each	1238
29	SITC of "Uniearth" 'Maintenance free chemical earthing system consisting of environment friendly ground enhancing compound 'G.E.C' 50 kg at site having anticorrosive and hygroscopic properties to replace excavated soil. It should consist of "Uniearth" 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 G.I strip with exothermic welds. The electrode should be duly type tested and certified by CPRI for 30KA rms.	1	23475	Rupees Twenty Three Thousand Four Hundred Seventy Five Only	Set	23475
30	Supplying and laying 8 SWG Copper wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	30	182	Rupees One Hundred Eighty Two Only	Per metre	5460
	Total					288726

Draft schedule of quantity checked and approved for Rs 288726/-

Executive Engineer
Electrical Division
HPPWD Palampur



SCHEDULE OF QUANTITY

Name of Work :- Repair and Maintenance of Toilet Block at Main Girls Hostel Dr. RPGMC Tanda at Kangra (SH:- Providing EI therein).

job No **4**

**ESTIMATED COST : Rs.4,92,040/-only.
EARNEST MONEY: Rs.9900/-only
TIME ALLOWED: Three Months**

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface /recessed medium class PVC conduit and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.					
1.1	Group A (Make:-KEI,Anchor,Plaza) Legrand (Myrius), L&T(Entice), Schneider(Livia)/SCI	104	946	Rupees Nine Hundred Forty Six Only	P/Pt	98384
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	2x1.5 Sq. mm.	100	212	Rupees Two Hundred Twelve Only	P/Mtr	21200
2.2	2x4 Sq. mm.	55	348	Rupees Three Hundred Forty Eight Only	P/Mtr	19140
2.4	4x4 Sq. mm.	50	607	Rupees Six Hundred Seven Only	P/Mtr	30350
	(Make:-KEI / Anchor / Plaza/SCI					
3	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required.					

3.1	3x1.5 Sq. mm. (Make:-KEI / Anchor / Plaza/SCI)	55	111	Rupees One Hundred Eleven Only	P/Mtr	6105
4	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required.					
4.1	S.P. 5/ 10Amps one way Modular switch.	24	130	Rupees One Hundred Thirty Only	Each	3120
	Makes:- L&T/Legrand/Schneider.					
5	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.	18	582	Rupees Five Hundred Eighty Two Only	Each	10476
	Makes:- Anchor/Legrand/Schneider.					
6	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.	18	750	Rupees Seven Hundred Fifty Only	Each	13500
	Makes:- Anchor/Legrand/Schneider.					
7	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:-					
7.1	Single pole. Cat-A.	24	265	Rupees Two Hundred Sixty Five Only	Each	6360
	Makes:- Legrand/L&T/Schneider.					
8	Supplying and fixing following rating, following pole, 240/415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
8.1	63 Amps. Double Pole	8	616	Rupees Six Hundred Sixteen Only	Each	4928
	Makes:- Legrand/L&T/Schneider.					

9	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
9.1	63 Amps. Cat-A.	8	3616	Rupees Three Thousand Six Hundred Sixteen Only	Each	28928
10	Makes:- L&T/Legrand/Schneider. 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:-					
10.1	Double door-8 way	8	1897	Rupees One Thousand Eight Hundred Ninety Seven Only	Each	15176
11	Makes:- L&T/Legrand/Schneider. Providing and installation exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections testing and commissioning etc. as required: of Approved Make					
11.1	Exhaust Fan, Heavy duty 300 mm sweep	8	4347	Rupees Four Thousand Three Hundred Forty Seven Only	Each	34776
12	Makes:- Usha / Bajaj/ Crompton. Providing, installation, testing and commissioning of ceiling fan with two module modular step type electronic fan regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required. with not less than 3 rated star.					

12.1	Ceiling Fan 1200 mm sweep, Category-A	2	3191	Rupees Three Thousand One Hundred Ninety One Only	Each	6382
	Makes:- Usha Technix Plus 3 Star/ Bajaj/ Crompton.					
13	Providing and fixing decorative extruded tube fixture having high quality design suitable for LED tube up to 18Watt (1800 lumen) 6500K and it should be compatible with specifications i.e. power factor ≥ 0.9 , harmonic distortion $\leq 10\%$ and efficacy ≥ 100 lumens per watt, CRI > 80 , suitable for input voltage AC 220-240V, 50/60 Hz, including one no. tube rod 18 Watt complete with all accessories, connections, testing and commissioning etc. as required. complete in all respects with 5 years warranty.					
13.1	18 Watt LED Tube fixture with rod	2	1508	Rupees One Thousand Five Hundred Eight Only	Each	3016
	Makes: Bajaj/ Wipro/Havells					
14	Providing and installation of following wattage LED square/round surface downlighter with minimum system lumen efficacy of 100 lm/W with and P.F. >0.95 with THD $<10\%$, CCT 6000 K, CRI 80. The LED with useful life of 50000 hrs. at L70. The input voltage range shall be 150V to 270V as required with 5 years warranty.					
14.1	LED Surface mounting Square/Round downlighter 18 Watt	8	1562	Rupees One Thousand Five Hundred Sixty Two Only	Each	12496
	Makes: Bajaj/ Wipro/Havells					
15	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. The input voltage range shall be 150V to 270V as required with 5 years warranty.					
15.1	LED Bulk Head 10 Watt	72	1432	Rupees One Thousand Four Hundred Thirty Two Only	Each	103104
	Makes: Bajaj/ Wipro/Havells					

16	Providing and fixing LED Mirror Light of IP20, LED fixture 10 W+/- 1W with Surface Mounted 2 feet with Polycarbonate diffuser with Extruded aluminium housing having minimum system lumen output 1000 lumens and system lumen efficacy of 100 lm/W with P.F.>0.95 with THD 20% ,CRI 80 . The LED with Useful life of 50000 Hrs. at L70 with five years warranty. The LEDs used in the luminaire shall have CCT of ANSI Bin 6500 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 with 5 years warranty complete in all respects.							
16.1	LED Mirror Light 10 W	24	801	Rupees Eight Hundred One Only	Each	19224		
	Makes:- Philips/Mipro/Bajaj							
17	Providing and installation of stationary storage type Electric water heater (Geyser) of various Sizes by means of expansion-bolts with nuts and washers, including embedding of expansion bolts in the wall, making good the damages, electrical connections, testing etc. complete as required-							
17.1	35 Liter capacity water heater (Cat-A)	4	13418	Rupees Thirteen Thousand Four Hundred Eighteen Only	Each	53672		
	Makes:- Usha/Bajaj/Racold							
18	Supplying and fixing of power unit of following capacity suitable for air conditioning units / geyser along with cable output including connections etc. as required.							
18.1	32 Amp Power Unit	1	1703	Rupees One Thousand Seven Hundred Three Only	Each	1703		
	Make:- Finolex/Polycab/Havells							
	Total					492040		

Draft sheet vide quantity checked and approved
18/11/2019

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- Replacement of burnt out Sub main panel, Sub main wiring with safety devices in Civil Hospital Shampur, Distt. Kangra (H.P.)

Job No 5

ESTIMATED COST: Rs.1,58,537/-only.
EARNEST MONEY: Rs.7200/-only
TIME ALLOWED: Three Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Wiring for circuit submain wiring along with 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	2x1.5 Sq. mm.	150	217.00	Rupees Two Hundred Seventeen Only	Per Meter	32550
1.2	2x4 Sq. mm.	120	353.00	Rupees Three Hundred Fifty Three Only	Per Meter	42360
1.3	2x10sq.mm +1x6sq.mm earth wire	75	678.00	Rupees Six Hundred Seventy Eight Only	Per Meter	50850
1.4	4x16sq.mm +1x6sq.mm earth wire	20	1779.00	Rupees One Thousand Seven Hundred Seventy Nine Only	Per Meter	35580
	Make:- KEV/Anchor/Plaza					
2	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.	8	591.00	Rupees Five Hundred Ninety One Only	Each	4728
	Makes:- L&T/LeGrand/Schneider.					
3	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.	8	760.00	Rupees Seven Hundred Sixty Only	Each	6080

	Makes:- L&T/Legrand/Schneider.						
4	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required.						
	Single pole. Cat-A.	108	268.00	Rupees Two Hundred Sixty Eight Only	Each	28944	
	Makes:- L&T/Legrand/Schneider.						
5	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
	63 Amps. Cat-A.	9	620.00	Rupees Six Hundred Twenty Only	Each	5580	
	Makes:- L&T/Legrand/Schneider.						
6	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 miliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
	63 Amps. Cat-A.	9	3621.00	Rupees Three Thousand Six Hundred Twenty One Only	Each	32589	
	Makes:- L&T/Legrand/Schneider.						
7	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	3	2971.00	Rupees Two Thousand Nine Hundred Seventy One Only	Each	8913
8	Providing and fixing Double door following way PPI DBs, Available in CRCA sheet steel, RAL 9003, powder coated Provided with 100A insulated phase bus-bars, neutral bars with shrouds, earth bars, sticking saddles, cement spill protector, color-coded interconnecting wire set, cable ties, blanking plates and circuit identification labels With provision for FP MCB/isolator/RCCB/RCBO as incomer, DP RCCB/RCBO as sub-incomer and SP MCBs as outgoing as required complete in all respects.					
	Tier PPI DB - 12 Way with MCCB incomer	3	13167.00	Rupees Thirteen Thousand One Hundred Sixty Seven Only	Each	39501
	Makes: L&T/Legrand/Havells					
9	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 63 A 16KA	3	4204.00	Rupees Four Thousand Two Hundred Four Only	Each	12612
	Makes:- L&T/Legrand/Schneider					
10	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.	95	182.00	Rupees One Hundred Eighty Two Only	Per Meter	17290

11	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.with 5 year warranty.									
	LED 18 Watt Tube fixture									
	Makes:- Philips/Wipro/Bajaj					30	1402.00	Rupees One Thousand Four Hundred Two Only	Each	42060
Total									359637	

Draft schedule of quantity checked and approved by 359637

[Signature]
 Executive Engineer
 Electrical Division
 HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- Replacement of old FTL fixtures, switch/sockets, geysers and other old/damaged electrical accessories etc. in Satluj Hostel at Dr. RPGMC Kangra at Tanda.

job No 6

ESTIMATED COST: Rs.4,98,956/-only.
EARNEST MONEY: Rs.10,000/-only
TIME ALLOWED: Three Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface /recessed 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	2	1345.00	Rupees One Thousand Three Hundred Forty Five Only	Per Point	2690
	(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 insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.					
2.1	2x1.5 Sq. mm.	10	217.00	Rupees Two Hundred Seventeen Only	Per Meter	2170
2.2	2x4 Sq. mm.	15	353.00	Rupees Three Hundred Fifty Three Only	Per Meter	5295
2.3	2x10 Sq. mm.	5	678.00	Rupees Six Hundred Seventy Eight Only	Per Meter	3390
2.4	4 X 4 sq. mm	10	612.00	Rupees Six Hundred Twelve Only	Per Meter	6120
	Make:- KEI/Anchor/Plaza					

3	Supplying and drawing following sizes of FRLS PVC insulated, copper conductor, single core cable in the existing surface/ recessed steel PVC conduit as required							
	3x1 5 Sq. mm	15	112.00	Rupees One Hundred Twelve Only	Per Meter	1680		
4	Supplying and fixing following rating, one way switch/sockets, piano type ISI on the existing plate switch box including connections but excluding G.I plate etc. as required							
4.1	S.P. 5/6 Amps. one way switch, piano type ISI	100	26.00	Rupees Twenty Six Only	Each	2600		
4.2	3 pin 5 Amps. one way socket outlet, piano type ISI	195	67.00	Rupees Sixty Seven Only	Each	13065		
4.3	15/16 Amps. one way switch, piano type ISI	90	138.00	Rupees One Hundred Thirty Eight Only	Each	12420		
4.4	6 pin 15/16 Amps. Socket outlet, piano type ISI	90	149.00	Rupees One Hundred Forty Nine Only	Each	13410		
	Makes:- Anchor/Goldmedal/Legrand							
5	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in FRLS including providing and fixing 6 pin 5/6 amps socket outlet and 5/6 amps piano type switch, connection, painting etc as required.	5	265.00	Rupees Two Hundred Sixty Five Only	Each	1325		
	Makes:- Anchor/Goldmedal/Legrand							
6	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in FRLS including providing and fixing 6 pin 15/16 amps socket outlet and 15/16 amps piano type switch, connection, painting etc as required	5	414.00	Rupees Four Hundred Fourteen Only	Each	2070		
	Makes:- Anchor/Goldmedal/Legrand							
7	Supplying & fixing of G.I modular boxes of following sizes along with modular base and cover plate for modular switches in recess as required.							
7.1	2 modules	8	164.00	Rupees One Hundred Sixty Four Only	Each	1312		

7.2	4 modules	24	245.00	Rupees Two Hundred Forty Five Only	Each	5880
7.3	6 modules	8	329.00	Rupees Three Hundred Twenty Nine Only	Each	2632
	Makes:- L&T/Anchor/Havells					
8	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required.					
8.1	S.P. 15/16 Amps one way Modular switch.	8	228.00	Rupees Two Hundred Twenty Eight Only	Each	1824
8.2	6 pin, 15/16 Amps Modular socket outlet.	8	350.00	Rupees Three Hundred Fifty Only	Each	2800
8.3	32 Amp. Power unit	8	1928.00	Rupees One Thousand Nine Hundred Twenty Eight Only	Each	15424
8.4	Blanking plate	40	53.00	Rupees Fifty Three Only	Each	2120
	Makes:- L&T/Legrand/Schneider.					
9	Supplying and fixing stepped type electronic fan regulator on the existing plate switch box including connections but excluding G.I. plate etc. as required.					
	Stepped type Fan regulator - 5 Step	10	300.00	Rupees Three Hundred Only	Each	3000
	Makes:- Anchor/Goldmedal/Legrand					
10	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:					
	Single pole. Cat-A.	3	268.00	Rupees Two Hundred Sixty Eight Only	Each	804
	Makes:- L&T/Legrand/Schneider.					

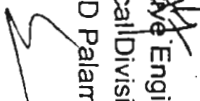
11	Supplying and fixing following 40/50/63 Amp., double pole, 240/415 volts, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-					
	63 Amps. Cat-A.	1	1426.00	Rupees One Thousand Four Hundred Twenty Six Only	Each	1426
	Makes:- L&T/Legrand/Schneider.					
12	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)					
	MCB DB double door - 04 Way					
	Makes:- L&T/Legrand/Schneider	1	1573.00	Rupees One Thousand Five Hundred Seventy Three Only	Each	1573
13	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:-					
	35 Liter capacity water heater (CAT-A)	8	16139.00	Rupees Sixteen Thousand One Hundred Thirty Nine Only	Each	129112
	Makes:- Havells/Usha/Racold					
14	Providing and fixing decorative extruded tube fixture having high quality design suitable for LED tube up to 18Watt (1800 lumen) 6500K and it should be compatible with specifications i.e. power factor ≥ 0.9 , harmonic distortion $\leq 10\%$ and efficacy ≥ 100 lumens per watt, CRI > 80 , suitable for input voltage AC 220-240V, 50/60 Hz, including one no. tube rod 18 Watt complete with all accessories, connections, testing and commissioning etc. as required. complete in all respects with five years warranty.					

	18 Watt LED Tube fixture	131	940.00	Rupees Nine Hundred Forty Only	Each	123140
	Makes:- Philips/ Wipro/Bajaj					
	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. The input voltage range shall be 150V to 270V as required with five years warranty.					
15	LED Bulk Head, 10 Watt	30	1415.00	Rupees One Thousand Four Hundred Fifteen Only	Each	42450
	Makes:- Bajaj/ Wipro/Havells					
	Providing and installation of LED fixture with +/- 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 V with five years warranty. The input voltage range shall be 150V as required complete with connections, testing etc.					
16	18 Watt LED round surface Make :- Wipro/Bajaj/Havells	20	1275.00	Rupees One Thousand Two Hundred Seventy Five Only	Each	25500
	Supplying and fixing LED retrofit lamp suitable for B-22 holder base fittings with polycarbonate diffuser and aluminium heat sink as required complete in all respects.					
17	LED lamp 9 Watt	6	160.00	Rupees One Hundred Sixty Only	Each	960
	Makes:- Bajaj/ Wipro/Havells					
	Providing and fixing of LED fixture 600mm x600mm 36Watt +/- 1W surface mounted having minimum system lumen of efficacy of 100lm/W with CRCA housing and PMMA diffuser with P.F. >0.95, THD<10%, CCT5700K, CRI80. The LED shall be tested with LM80-08 standard with useful life of 50000 hrs. at L70. The input voltage range shall be 150V with five years warranty as required complete with connections, testing etc.					
18						

	LED Panel 2'x2' 36 watt surface	6	5474.00	Rupees Five Thousand Four Hundred Seventy Four Only	Each	32844
	Makes:- Havells/ Wipro/Bajaj					
	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 five years warranty.					
19	LED 45 Watt Street light	8	4990.00	Rupees Four Thousand Nine Hundred Ninety Only	Each	39920
	Makes:- Wipro/Havells/Bajaj					
	Total					498956

Drift should be of accuracy checked and approved for 498956/-

Executive Engineer
Electrical Division
HPPWD Palampur



SCHEDULE OF QUANTITY

Name of Work :- Replacement of old damaged Lights with new LED street lights, gate Lights in the Campus of HPPWD Rest House Pragpur in Tehsil Dehra, Distt. Kangra (HP).

job No *7*

ESTIMATED COST: Rs.1,11,319/-only.
EARNEST MONEY: Rs.2300/-only
TIME ALLOWED: One Month

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	PSupplying and fixing of LED Street light Luminaire comprises of Al Die cast Housing with frame , High Purity PC lens Diffuser, cradle mounting, minimum system lumens of 5000. The luminaire shall have CCT of 5700K and CRI of minimum 80, PF>0.95 and THD>10%. The luminaire shall have IP66 and IK08 protection. The 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 (nominal rated voltage – 240V) with 4 KV internal surge protection and 10KV external surge protection. (With 5 Years Warranty) Makes- Wipro(Model -LR02-671-XXX-57-G3 60 Watts)/Havells/Bajaj					
i	Makes- Wipro(Model -LR02-671-XXX-57-G3 60 Watts)/Havells/Bajaj	13	7363	Rupees Seven Thousand Three Hundred Sixty Three Only	Each	95719
2	Providing & Laying of one number aluminium conductor, PVC insulated and PVC sheathed armoured/ XLPE power cable, 1.1 KV grade of following sizes direct in ground including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering. Make:-KEI,Havells, PLAZA					
i	Armoured cable 6 sq. mm (twin core)	50	312.00	Rupees Three Hundred Twelve Only	P/Mtr.	15600
	Makes- KEI/Plaza/Havells					
	Total					111319

Draft schedule of quantity checked and approved for 11/3/19/20

Executive Engineer
 Electrical Division
 HPPWD Palampur

SCHEDULE OF QUANTITY


NAME OF WORK :- Repair & Maintenance of 01 No. 750 KVA D.G. Set No. II installed in Super Specialty Block at Dr. RPGMC Kangra at Tanda for the year 2023-24.

Job No 8

ESTIMATED COST: Rs.3,46,816/-only.
EARNEST MONEY: Rs.7000/-only
TIME ALLOWED: One Year

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Repair and maintenance (Routine & Preventive) of 01 No. 750 KVA DG Set with 01 No. quarterly services or after 250 running hours wherever is earlier for a defect liability period of one year including replacement of Fuel Filter, Lubricating oil filter, super bye pass filter, air cleaner, coolant, Lubricating oil, etc. as required and also emergency break down call attending service including following minor repair and replacement of spare parts/accessories with material in the presence of qualified Engineer/Supervisor of authorized company etc. as required complete in all respects.	1	346816	Rupees Three Lacs Forty Six Thousand Eight Hundred Sixteen Only	Per Job	346816
	Engine:- Minor Repair of engine such as changing of fuel pipes, V-belts, level indicators, pipes oil filters, battery leads, battery thimbles, self & alternators (battery charger) repairs etc. including emergency visits/labour.					
	Panel:- Minor repair of panel such as selector switch, Ampere meter, Volt meter, starting switch, stopping switch, MCB for control wiring, OEN relays, fuse's etc. including labour charges.					
	Battery:- Replacement of battery as per the requirement of site of Exide make (as per conforming standard) including labour charges.					
	Total					346816

Draft submitted quantity checked and approved
 K-14346816/E


 Executive Engineer
 Electrical Division
 HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- Providing and installation of online UPS 02 KVA for additional power back-up along with wiring in 120 Nos. New Girls Hostel and P.G. Hostels for Boys & Girls, Dr. RPGMC Kangra at Tanda.

job No 9

ESTIMATED COST: Rs.3,66,950/-only.
EARNEST MONEY: Rs.7400/-only
TIME ALLOWED: Two Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying, erection, testing and commissioning of 2 KVA online UPS with enclosure suitable for 1 phase AC input and 1 phase AC output along with batteries backup for two hours. The UPS should be of Microprocessor control double conversion, PWM (Pulse Width Modulation)/IGBT (Insulated-Gate Bipolar Transistor) based inverter. The UPS should be complete with input 110 V AC 1 ph ($\pm 5\%$) and Output 220 V AC 1 Ph Manual by-pass facility, harmonics distortion at output: <3 % for Linear Load, Input Power Factor Capacity >0.99 (full load), Over load: 105% for 60 min, 125% for 2 min, 150% for 30 sec. including the cost of carriage, rack and connection etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	3	102818.00	Rupees One Lacs Two Thousand Eight Hundred Eighteen Only	Per set	308454
1.1	02 KVA Online UPS System					
	Makes:- Microtek/Emerson-Virtiv/Fuji Electric-Consul Neowatt.					
	Battery bank minimum VAH 3024(06 Nos.) (Makes: Exide/Quanta/Panasonic/APC/Zebtronics)					
2	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HFRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No. HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required. Make:- Havells/KEI/Plaza					
2.1	2x4.0 Sq. mm.	76	353.00	Rupees Three Hundred Fifty Three Only	Per Meter	26828
2.2	2x10 Sq. mm.	26	678.00	Rupees Six Hundred Seventy Eight Only	Per Meter	17628

3	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.	6	760.00	Rupees Seven Hundred Sixty Only	Each	4560
	Make :- L&T/Legrand/Schneider.					
4	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:- Single pole. Cat-A	6	229.00	Rupees Two Hundred Twenty Nine Only	Each	1374
	Make:- L&T/Legrand/Schneider.					
5	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 AMP. DP Cat-A	6	412.00	Rupees Four Hundred Twelve Only	Each	2472
	Make :- L&T/Legrand/Schneider.					
6	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-6 way	3	1878.00	Rupees One Thousand Eight Hundred Seventy Eight Only	Each	5634
	Make :- L&T/Legrand/Schneider.					
	Total					366950

*Best suited quantity checked and approved
by 366950/c*

MH
Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- C/O Additional Accommodation in Govt. High School building at Nana Haar in Tehsil Jawali Distt. Kangra (HP)/SH:- C/O Three Nos. Class rooms on First Floor including Verandah and Stair case) (Providing EI therein)

Job No *10*

ESTIMATED COST: Rs.2,74,983/-only.
EARNEST MONEY: Rs.5500/-only
TIME ALLOWED: One Year

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Make: KEI/ Plaza/Anchor & Anchor/SSK					
i)	Group C.	43	1747.00	Rupees One Thousand Seven Hundred Forty Seven Only	Point	75121
2	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, 2 way piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Make: Plaza/KEI/Plaza/Anchor &/ Anchor/SSK					
i)	Twin Control	1	1769.00	Rupees One Thousand Seven Hundred Sixty Nine Only	Point	1769
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. Make: KEI/Plaza/Anchor.					
i)	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	80	340.00	Rupees Three Hundred Forty Only	Meter	27200
ii)	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	5	664.00	Rupees Six Hundred Sixty Four Only	Meter	3320

4	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. Make: KEI/Plaza/Anchor.						
i)	3 x 1.5 sq. mm	30	112.00	Rupees One Hundred Twelve Only	Meter	3360	
5	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover including providing and fixing 3 pin 5/6 amps socket outlet and 5/6 amps piano type switch, connection, painting etc. as required. Make: Anchor/SSK	3	300.00	Rupees Three Hundred Only	each	900	
6	Supplying and fixing 6 A to 32 A rating, 240/415 V, 10 KA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
i)	Single pole (Make:- Schneider/ Legrand/L&T)	7	268.00	Rupees Two Hundred Sixty Eight Only	each	1876	
7	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)	40 Amps. (Make:- Schneider/ Legrand/L&T)	1	491.00	Rupees Four Hundred Ninety One Only	each	491	
8	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
i)	40 Amps. (Make:- Schneider/ Legrand/L&T)	1	2719.00	Rupees Two Thousand Seven Hundred Nineteen Only	each	2719	

9	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/isolator)						
i)	Double door-12 way (Make:- Schneider/ Legrand/L&T)	1	2326.00	Rupees Two Thousand Three Hundred Twenty Six Only	each	2326	
10	Providing, Installation, testing and commissioning of BLDC ceiling fan with socket type regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required. 5 Star rating with Five years warranty.						
i)	Ceiling Fan 1200 mm sweep BLDC 5 Star rating (Make: Usha Model: Technoair BLDC 5 Star without remote)/ Bajaj/Crompton.	12	4386.00	Rupees Four Thousand Three Hundred Eighty Six Only	each	52632	
11	Supplying & fixing following type of Surface mounted luminaires, white power coated CRCA housing diffuser to avoid glare, it should be compatible with specification i.e. Power Factor > 0.9, Harmonic Distortion < 10% and efficacy ≥100 Lumens per watt, CRI rating >70 suitable for input voltage: AC 220-240 V, 50 Hz, complete with all accessories, connections, testing and commissioning etc. as required.with 5 year warranty						
i)	LED Batten 40W, 4 feet long Make: Clair, ZD Adventa- Elenta (Cat no. CLB40WS)/Havells/Wipro	24	3003.00	Rupees Three Thousand Three Only	each	72072	
12	Supplying & fixing following type of Surface mounted luminaires, white power coated CRCA housing diffuser to avoid glare, it should be compatible with specification i.e. Power Factor > 0.9, Harmonic Distortion < 10% and efficacy ≥100 Lumens per watt, CRI rating >70 suitable for input voltage: AC 220-240 V, 50 Hz, complete with all accessories, connections, testing and commissioning etc. as required.with 5 year warranty						

i)	LED Batten 20W, 4 feet long Make: Crompton (Cat no. CCS-100-20-65-HL2-DP-NWH)/Bajaj/Wipro	8	764.00	Rupees Seven Hundred Sixty Four Only	each	6112
13	Supply, Erection, Installation and Commissioning of UniEarth Maintenance free chemical earthing system consisting of environment friendly ground enhancing compound 'G.E.C' 50 kg or as required at site having anticorrosive and hygroscopic properties to replace excavated soil. It should consist of "Uniearth" 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 GI Strip with exothermic welds. The electrode should be duly tested and certified by CPR1 for 30 KA short time current test for 1 sec rms.	1	23475.00	Rupees Twenty Three Thousand Four Hundred Seventy Five Only	Set	23475
14	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	35	46.00	Rupees Forty Six Only	Mtr.	1610
	Total					274983

Draft Schedule of Quantities checked and approved by M 274983/

M
 Executive Engineer
 Electrical Division
 HPPWD Palampur

DRAFT SCHEDULE OF QUANTITY

NAME OF WORK :- Replacement of old FTL fixtures with new LED fixtures in MRI Corridor & waiting area in the Radiology Dept. Treatment Block of 500 bedded hospital Dr. RPGMC Kangra at Tanda.

Job No 41

ESTIMATED COST: Rs.2,42,817/-only.
EARNEST MONEY: Rs.4900/-only
TIME ALLOWED: Two Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
	S.P. 5/6 amps, one way modular switch	50	130.00	Rupees One Hundred Thirty Only	Each	6500
	Makes:- L&T/Legrand/Schneider					
2	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.					
2.1	2 module - Modular GI box with Modular base & cover plate	10	276.00	Rupees Two Hundred Seventy Six Only	Each	2760
2.2	3 module - Modular GI box with Modular base & cover plate	10	384.00	Rupees Three Hundred Eighty Four Only	Each	3840
2.3	4 module - Modular GI box with Modular base & cover plate	10	423.00	Rupees Four Hundred Twenty Three Only	Each	4270
	Makes:- L&T/Legrand/Schneider					
3	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.					
	Stepped type Modular Fan regulator (2 module)	12	737.00	Rupees Seven Hundred Thirty Seven Only	Each	8844
	Makes:- L&T/Legrand/Schneider					
4	Providing, installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.					

	Ceiling Fan 1200 mm sweep	4	3191.00	Rupees Three Thousand One Hundred Ninety One Only	Each	12764
	Makes:- Usha/Anchor/Bajaj					
5	Supplying and fixing surface round/square type LED 18 Watt (1800 lumen), 6000K made of white powder-coated pressure die-cast aluminium housing and it should be compatible with specifications i.e. power factor ≥ 0.9 , harmonic distortion $\leq 10\%$ and efficacy ≥ 100 lumens per watt, CRI > 80 , suitable for input voltage AC 220-240V, 50/60 Hz complete with all accessories, connections, testing and commissioning etc.					
	18 Watt LED round surface	2	1823.00	Rupees One Thousand Eight Hundred Twenty Three Only	Each	3646
	Makes:- Panasonic/Wipro/Havells					
6	Supplying and fixing surface mounting 4'x1' size LED solution suitable for surface application with the use of the latest technology 36 Watt (3300 lumens), 5700K 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 > 80 , suitable for input voltage AC 220-240V, 50/60 Hz complete with all accessories, connections, testing and commissioning etc.as required.					
6.1	36 Watt LED 4'x1' Surface	24	5191.00	Rupees Five Thousand One Hundred Ninety One Only	Each	124584
6.2	36 Watt LED 4'x1' Recess	9	7625.00	Rupees Seven Thousand Six Hundred Twenty Five Only	Each	68625
	Makes:- Panasonic/Wipro/Havells					

7	Supplying and fixing of LED flood light luminaire with the use of the latest technology 30 Watt (3000 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.						
	30 Watt LED Flood Light	4	1746.00	Rupees One Thousand Seven Hundred Forty Six Only	Each	6984	
	Makes:- Panasonic/Wipro/Havells						
	Total					242817	

Dear Sir, value of quantity checked and approved for ₹242817/-

Executive Engineer
 Electrical Division
 HPPWD, Palampur

SCHEDULE OF QUANTITY

Name of Work :- Replacement of old and damaged light fixtures with LEDs inside the Sardar Shobha Singh Auditorium, Dr. RPGMC Kangra at Tanda.

Job No 12

**ESTIMATED COST: Rs.1,35,528/-only.
EARNEST MONEY: Rs.2800/-only
TIME ALLOWED: Two Months**

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Providing and fixing of LED fixture 600mm x 600mm 36 Watt +/- 1W recess 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 with 5 years warranty. The input voltage range shall be AC 150V, 50/60 Hz complete with all accessories, connections, testing and commissioning etc.as required.					
	36 Watt LED 2'x2' Recess Panel	20	5415.00	Rupees Five Thousand Four Hundred Fifteen Only	Each	108300
	Makes:- Panasonic/Wipro/Havells					
2	Providing and fixing of LED fixture 24 Watt +/- 1W LED round/square recess mounted downlighter with minimum system lumen efficacy of 85lm/W with P.F.>0.95, THD<20%, CCT 6000K, CRI 80. The LED shall be tested with LM80-08 standard with useful life of 50000 hrs. at L70 with 5 years warranty. The input voltage range shall be AC 150V, 50/60 Hz complete with all accessories, connections, testing and commissioning etc.as required.					
	24 Watt LED round/square Recess downlighter	12	2269.00	Rupees Two Thousand Two Hundred Sixty Nine Only	Each	27228
	Makes:- Wipro/Havells/Bajaj					
	Total					135528

Note:- The Credit of useful Material that is Rs. 2000/- Only as Per estimate may be deducted from the contractor in the final bill

Draft schedule of quantity checked and approved by 135528/2

Executive Engineer
 Electrical Division
 HPPWD Palampur

SCHEDULE OF QUANTITY


NAME OF WORK :-Replacement of batteries for 5 KVA UPS in cytology & hematology labs, Department of Pathology Paraclinic Block, Dr. RPGMC Kangra at Tanda.

Job No *13*

ESTIMATED COST : Rs.1,26,833/-only.
EARNEST MONEY : Rs.2600/-only
TIME ALLOWED : One Month

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying, erection, testing & commissioning of batteries having following capacity sealed maintenance free-lead acid battery with suspended electrolyte (leak proof) suitable for different capacities UPS System etc. as required complete in all respects and to the best satisfaction of Engineer-in-Charge.					
	Battery 12 Volt 65 AH	1	126833	Rupees One Lacs Twenty Six Thousand Eight Hundred Thirty Three Only	Each	126833
	Make :- Exide (EP 65 Ah-12V SMF)/Amron/Quanta.					
	Total					126833

Best value of quantity checked and approved by 126833/-


 Executive Engineer
 Electrical Division
 HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- C/O Old and New Block of Circuit House Dharamshala
Distt. Kangra (H.P.) (Engagement of E.I. Maintenance staff i.e. Electrician
 Grade-II (Electrical) in Circuit House (Old and new block) for One year.

Job No *14*

ESTIMATED COST: Rs 2,38,680/-only.
EARNEST MONEY: Rs.4800/-only
TIME ALLOWED: One Year

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Engagement of Electrician Grade-II (Electrical) for Running Operation and Maintenance of Electrical installation in Circuit House (Old and New Block) Dharamshala Distt. Kangra H.P., i.e. One number Electrician Grade-II (Electrical) for one year as per instructions and directions of Engineer-in-charge.	1	238680.00	Rupees Two Lacs Thirty Eight Thousand Six Hundred Eighty Only	One Year	238680
	Electrician Grade-II (Electrical) for One year					
	Total					238680
Terms And Condition:-						
1	The agency shall have to provide services as required in schedule of work.					
2	The services is required during normal working hours i.e. 10:00 AM to 5:00 PM or as required.					
3	The services have to be provided as per the directions of office-in-charge.					
4	The agency shall have to pay /provided minimum wages / rest / holiday as per HP State Govt. labour norms applicable for daily paid workers.					
5	Nothing extra shall have to pay / issued on account of liberties, T&P soap, duster etc.					
6	The services are required temporarily and can be terminated at any time without assigning any reason.					
7	Nothing extra shall have to paid for absent period.					
8	Nothing extra shall be made on monthly basis.					
9	The staff shall have to report daily to concerned office in-charge.					
10	Period of service depends upon the requirement of work and can be increased /decreased / terminated without assigning any reason.					
11	The worker should be fully insured.					

Dr. J. S. Dhillon
approved for N 238680/-

Executive Engineer
 Electrical Division
 HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- C/O Five Rooms at Govt. Sr. Sec. School Nahlian in Tehsil Khundian, Distt Kangra (HP)/C/O 3 Rooms in GF & 2 Rooms in FF with Verandah) (SH: Providing E.I therein).		Job No <i>15</i>		ESTIMATED COST: Rs.3,11,149/-only. EARNEST MONEY: Rs.6300/-only TIME ALLOWED: One Year		
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) 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.					
i	Group C. Makes:- Legrand(Myrius),Schneider(Livia),Anchor Roma(Plus)/SCI.	66	1824	Rupees One Thousand Eight Hundred Twenty Four Only	P/Pt	120384
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.					
i	Group C. Makes:- Legrand(Myrius),Schneider(Livia),Anchor Roma(Plus),L&T(Entice)/SCI.	2	1894	Rupees One Thousand Eight Hundred Ninety Four Only	P/Pt	3788
3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required					
i	2X1.5Sq.mm+1X1.5Sq.mm Earth wire					
	Makes: Plaza/KEI/SCI	35	361	Rupees Three Hundred Sixty One Only	P/Mtr	12635

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.						
i	2X2.5Sq.mm+1X2.5Sq.mm Earth wire					Rupees Three Hundred Ninety Five Only	
	Makes: Plaza/KEI/SCI	70	395				P/Mtr 27650
5	Providing & Laying of one number Aluminium Conductor,PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.						
i	Armoured Cable 10Sq.mm (Twin Core)	20	285			Rupees Two Hundred Eighty Five Only	P/Mtr 5700
	Makes: Plaza/KEI/SCI						
6	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.						
i	3X1.5 Sq.mm	15	111			Rupees One Hundred Eleven Only	P/Mtr 1665
ii	3X2.5Sq.mm	25	171			Rupees One Hundred Seventy One Only	P/Mtr 4275
	Makes: Plaza/KEI/SCI						
7	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.						
i	Makes: Legrand(Myrius),Schneider(Livia),Anchor Roma(Plus)	5	582			Rupees Five Hundred Eighty Two Only	Each 2910
8	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.	10	265	Rupees Two Hundred Sixty Five Only	Each	2650
	Makes: Legrand,Schiender,L&T.					
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.					
i	40 Amps. Cat-A.	1	488	Rupees Four Hundred Eighty Eight Only	Each	488
	Makes: Legrand,Schiender,L&T.					
10	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 miliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
1	40Amps. Cat-A.	1	2715	Rupees Two Thousand Seven Hundred Fifteen Only	Each	2715
	Makes: Legrand,Schiender,L&T.					
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. (But without MCB/RCCB/Isolator).					
	Makes: Legrand,Schiender,L&T.					
i	Double door-16 way	1	2954	Rupees Two Thousand Nine Hundred Fifty Four Only	Each	2954
12	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but with charcoal/ coke and salt) as required.	1	6188	Rupees Six Thousand One Hundred Eighty Eight Only	P/Set	6188

13	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	20	33	Rupees Thirty Three Only	P/Mtr	660
14	Supplying and fixing of LED Batten along with 20Watt LED Tube Light ,6500K ,(Five YEAR WARRANTY) and it should be compatible with specification e.i. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Makes: Havells ,Bajaj ,wipro with 5 Years Warranty.					
i	LED Tube Light 4Feet Long					
	Makes: Havells,Bajaj,wipro.	37	875	Rupees Eight Hundred Seventy Five Only	Each	32375
15	Providing and fixing surface/Recess mounted Round/Square downlighter with die cast Al housing in white powder coated finish, anti glare diffuser and energy efficient electronic driver , suitable for surface application with the use of the latest technology 18watt (1800 Lumen) 6000K and it should be compatible with specification i.e. Power Factor > 0.9, Harmonic Distortion <10% and efficacy > 100 Lumens per watt, CRI rating> 80 suitable for input voltage: AC 220-240 V, 50 Hz, complete with all accessories, connections, testing and commissioning etc. as required with 5Years Warranty.					
i	Round/Square LED Surface/Recess Panel Light 18/20 Watts	7	1562	Rupees One Thousand Five Hundred Sixty Two Only	Each	10934
	Makes:-Bajaj ,Havells,wipro,Panasonic.					
16	Supplying and fixing of LED Street light 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)					

	LED Street light 30 Watts						
	Makes: Havells, Panasonic, Bajaj.	2	3272	Rupees Three Thousand Two Hundred Seventy Two Only	Each	6544	
17	Supplying and fixing of bulk head fitting LED 10 watt+/-1W with minimum system Lumen efficiency of 100lm/W with and P.F. 0.95 with THD, 10%, CCT 5700K, CRI 70, Surge protection 4KV. The LED with useful life of 50000 Hrs. at L70. The input voltage range shall be 150V to 270V complete with all accessories, connections, testing and commissioning etc. as required with 5 Years Warranty.						
i	LED 10 Watt Bulk Head	2	1407	Rupees One Thousand Four Hundred Seven Only	Each	2814	
	Makes: Bajaj, Havells, wipro.						
18	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 Five years warranty) with not less than 3 Rated Star.						
i	Ceiling Fan 1200 mm sweep, Category-A						
	Make:- Usha(Technix Plus), Bajaj, Crompton.	20	3191	Rupees Three Thousand One Hundred Ninety One Only	Each	63820	
	Total					311149	

Draft signed by Security checked and approved for 311149

Executive Engineer
Electrical Division
HPPWD Palampur



SCHEDULE OF QUANTITY


Name of Work :- Providing of 2 Nos. Earthing system Mini
secretariat Building at Bharmour In Tehsil Bharmour Distt. Chamba
(H.P)

Job No 18

ESTIMATED COST: Rs.48,296/-only.
EARNEST MONEY: Rs.1000/-only
TIME ALLOWED: Two week

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Providing and fixing decorative extruded tube fixture having high quality design suitable for LED tube up to 20Watt (2000 lumen) 6500K and it should be compatible with specifications i.e. power factor ≥ 0.9, harmonic distortion ≤ 10% and efficacy ≥ 100 lumens per watt, CRI > 80, suitable for input voltage AC 220-240V, 50/60 Hz, including one no. tube rod 20 Watt complete with all accessories, connections, testing and commissioning etc. as required. with 5 year warranty.					
	Make:-Bajaj/Panasonic/Wipro.					
1	LED Tube Fixture 20Watt	2	978	Rupees Nine Hundred Seventy Eight Only	Each	1956
	Cat No: BCLAB 20W LED P					
2	Earthing with copper earth plate 600 mmx600 mmx 3 mm thick, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required.	2	19075	Rupees Nineteen Thousand Seventy Five Only	Set	38150
3	Supplying and laying 8 SWG Copper wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	45	182	Rupees One Hundred Eighty Two Only	Per metre	8190
	Total					48296

Dr. J. K. Schedule of quantity checked and approved for 48296 only


 Executive Engineer
 Electrical Division
 HPPWR, Palampur

(8)

Pending List

SCHEDULE OF QUANTITY

Name of Work :- Replacement of existing old and damaged Campus Lighting into new one in the Rest House of HPPWD at Fatehpur (Back Side) in Tehsil Fatehpur Distt. Kangra (HP).

job No 19

ESTIMATED COST: Rs.1,52,574/-only.
EARNEST MONEY: Rs.3100/-only
TIME ALLOWED: Six Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying and fixing of integral LED Post Top fixture made of die cast aluminium Base and spun aluminium conical top fitted with LED PT Module. Power LED's are mounted directly on inbuilt extruded Aluminium, Heat Sinks. A UV stabilized injection molded P.C diffuser is provided for Glare free lighting with high Visual comfort , complete with all accessories including LED lamp and making connections, testing etc. as required. Make: Twinkle lite, Twinkle LuxMax, Panasonic					
i)	LED Post Top light - 30 watt. Make:- Twinkle lite-521(PT-30)/K-Lite/Bajaj	5	10906	Rupees Ten Thousand Nine Hundred Six Only	each	54530
2	Providing and erection of LED Street light 30 watt luminaires powder coated pressure die-cast aluminium LED Street light with heat resistant toughened glass including connections, testing and commissioning etc. as required Make: Twinkle lite, Twinkle LuxMax, Panasonic					
i)	LED Street light - 30 watt. Make:-Twinkle lite-707(SLB-30)/K-Lite/Bajaj	3	4864	Rupees Four Thousand Eight Hundred Sixty Four Only	each	14592
3	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:-					
i)	Armoured cable 6 sq. mm (twin core) Make:-KEI/Plaza/Havells	20	248.00	Rupees Two Hundred Forty Eight Only	R.Mtr.	4960

ii)	Armoured cable 10 sq. mm (twin core) Make:-KEI/Plaza/Havells	56	273.00	Rupees Two Hundred Seventy Three Only	R.Mtr.	15288
4	Supplying and fixing Polycarbonate Box including din bar to fix MCB & Cable termination link, complete with fixing in the existing wall including making good the damages etc. as required complete in all respects.	2	987.00	Rupees Nine Hundred Eighty Seven Only	each	1974
	Makes:- Sintex					
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:- Make:- L&T/Legrand/Schneider					
i)	Single pole. Cat-A.	2	153.00	Rupees One Hundred Fifty Three Only	each	306
6	P/L GI pipe 40 mm dia including asscessary, connection etc as required.	20	261.00	Rupees Two Hundred Sixty One Only	R.Mtr.	5220
7	Supplying and fixing of following sizes of PVC conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required:- Make:- PolyFiv/BEC/Diplast					
i)	25 mm. dia	25	58	Rupees Fifty Eight Only	R.Mtr.	1450
ii)	50 mm. dia	25	98.00	Rupees Ninety Eight Only	R.Mtr.	2450

8	<p>Supplying and erection of Twinkle Lite Mild Steel Pole (3 mtr. Long)-140 with cast Aluminium/cast iron Q4&Q6 embellishment, made out of Galvanized Steel pipes and has a service window at the bottom consisting four way, 25 Amp connector terminal and a suitable MCB. The pole alongwith embellishment should be primer coated and are painted with polyurethane paint. The pole to be mounted on a 1:2:4 cement concrete base (pedestal) of 220 mm dia and 375 mm foundation bolt depth in a hole of excavation about 300 mm dia. and of suitable depth, to be filled with 1:3:6 cement concrete up to a height of 450 mm from bottom and then fitted with M.S. bolts / nuts of 12.5 mm dia; 375 mm length. complete in all respects as required:-</p>					
i)	<p>(a) Overall length 3 meter, with planting bolt depth 375 mm/12.5 mm dia, length and outer dia of sections 700 mmx150 mm and 2300 mmx90 mm (bottom and top respectively). Twinkle Lite-HRBR-E3-147530 Mild Steel galvanized tubular Pole (3mtr. Long)/K-Lite/Bajaj</p>	3	17268.00	Rupees Seventeen Thousand Two Hundred Sixty Eight Only	each	51804
	Total					152574

Dr. H. S. Reddy, Secretary, Chelod
Approved for Rs 152574/-

Executive Engineer
 Electrical Division
 HPPWD Palampur



SCHEDULE OF QUANTITY

Name of Work :- Replacement of existing old and damaged Campus Lighting into new one in the Rest House of HPPWD at Fatehpur (Front Side) in Tehsil Fatehpur Distt. Kangra (HP).

Job No *20*

ESTIMATED COST: Rs.4,79,275/-only.
EARNEST MONEY: Rs.9600/-only
TIME ALLOWED: Six Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying and fixing of integral LED Post Top fixture made of die cast aluminium Base and spun aluminium, conical top fitted with LED PT Module. Power LED's are mounted directly on inbuilt extruded Aluminium, Heat Sinks. A UV stabilized injection molded P.C diffuser is provided for Glare free lighting with high Visual comfort, complete with all accessories including LED lamp and making connections, testing etc. as required. Make: Twinkle lite, Twinkle LuxMax, Panasonic					
i)	LED Post Top light - 30 watt. Make:- Twinkle lite-521(PT-30)/K-Lite/Bajaj	15	10906	Rupees Ten Thousand Nine Hundred Six Only	Each	163590
2	Providing and erection of LED Street light 30 watt luminaires powder coated pressure die-cast aluminium LED Street light with heat resistant toughened glass including connections, testing and commissioning etc. as required Make: Twinkle lite, Twinkle LuxMax, Panasonic					
i)	LED Street light - 30 watt. Make:- Twinkle lite-707(SLB-30)/K-Lite/Bajaj	9	4864	Rupees Four Thousand Eight Hundred Sixty Four Only	Each	43776
3	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:-					
i)	Armoured cable 6 sq. mm (twin core) Make:- KEI/Plaza/Havells	50	248.00	Rupees Two Hundred Forty Eight Only	R.Mtr.	12400

ii)	Armoured cable 10 sq. mm (twin core)Make:- KEI/Plaza/Havells	130	273.00	Rupees Two Hundred Seventy Three Only	R. Mtr.	35490
4	Providing, laying and fixing of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade on surface etc. of the required size:- Make:- KEI/Plaza/Havells					
i)	Armoured cable 10 sq. mm (twin core)	50	183.00	Rupees One Hundred Eighty Three Only	R. Mtr.	9150
5	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required. Make:- KEI/Plaza/Havells					
i)	2x1.5 Sq. mm.	80	38.00	Rupees Thirty Eight Only	R. Mtr.	3040
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. Make:- L&T/Legrand/Schneider					
i)	40 Amps. Cat-A.	4	323.00	Rupees Three Hundred Twenty Three Only	Each	1292
7	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:- Make:- L&T/Legrand/Schneider					
	Triple pole. Cat-A.	1	1001.00	Rupees One Thousand One Only	Each	1001
8	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:- Make:- L&T/Legrand/Schneider					

i)	Double door-4 way	1	729.00	Rupees Seven Hundred Twenty Nine Only	Each	729
ii)	Double door-8 way	1	899.00	Rupees Eight Hundred Ninety Nine Only	Each	899
9	<p>Supplying and erection of Twinkle Lite Mild Steel Pole (3 mtr. Long)-140 with cast Aluminium/cast iron Q4&Q6 embellishment, made out of Galvanised Steel pipes and has a service window at the bottom consisting four way, 25 Amp connector terminal and a suitable MCB. The pole alongwith embellishment should be primer coated and are painted with polyurethane paint. The pole to be mounted on a 1:2:4 cement concrete base (pedestal) of 220 mm dia and 375 mm foundation bolt depth in a hole of excavation about 300 mm dia. and of suitable depth, to be filled with 1:3:6 cement concrete up to a height of 450 mm from bottom and then fitted with M.S. bolts / nuts of 12.5 mm dia; 375 mm length. complete in all respects as required:-</p>					
i)	(a) Overall length 3 meter, with planting bolt depth 375 mm/12.5 mm dia, length and outer dia of sections 700 mmx150 mm and 2300 mmx90 mm (bottom and top respectively). Twinkle Lite-HRBR-E3-147530 Mild Steel galvanized tubular Pole (3mtr. Long)	11	17268.00	Rupees Seventeen Thousand Two Hundred Sixty Eight Only	Each	189948

SCHEDULE OF QUANTITY

Name of Work :- Replacement of compressors and other accessories of Air-conditioning units installed in Maharaja Sansar Chand Guest House of Dr. RPGMC Kangra at Tanda.

Job No 21

ESTIMATED COST: Rs.78,870/-only
EARNEST MONEY: Rs.1600/-only
TIME ALLOWED: Two Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying, installation, testing and commissioning of compressor of following capacity suitable for required size/ capacity air-conditioning units complete in all respects and to the best satisfaction in Engineer-in-charge.					
1.1	Compressor for 1.5 Ton A.C. unit	1	13500.00	Rupees Thirteen Thousand Five Hundred Only	Each	13500
1.2	Compressor for 2 Ton A.C. unit	1	15000.00	Rupees Fifteen Thousand Only	Each	15000
2	Replenishment/charging of refrigerant R-22 (Gas) in split air-conditioning units as required complete in all respects as per the direction and to the best satisfaction of Engineer-in-charge.	15	1350.00	Rupees One Thousand Three Hundred Fifty Only	Per Kg	20250
3	Supplying and fixing of following accessories suitable for 1.5/2 Ton capacity split type air-conditioning units as required complete in all respects and as per directions of Engineer-in-charge.					
3.1	PCB	2	2400.00	Rupees Two Thousand Four Hundred Only	Each	4800
3.2	Display unit	6	950.00	Rupees Nine Hundred Fifty Only	Each	5700
3.3	Fan motor	2	3500.00	Rupees Three Thousand Five Hundred Only	Each	7000

3.4	Blower motor	1	3000.00	Rupees Three Thousand Only	Each	3000
3.5	Capacitor 2.5 - 4 MFD	8	340.00	Rupees Three Hundred Forty Only	Each	2720
3.6	Capacitor 40 - 65 MFD	6	1150.00	Rupees One Thousand One Hundred Fifty Only	Each	6900
	Total					78870

Dear Sirs schedule of quantity checked and approved ₹ 78870/-

Executive Engineer
 Electrical Division
 HPPWD Palampur