

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

No.:PW/EDP/CB/TA/CONT/2023-24/ 2220-28

Dated: 2-8-2024

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
HPPWD Palampur

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

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


Executive Engineer
Electrical Division
HPPWD 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 **12-08-2024** 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 **09-08-2024** up to 4.00 P.M. and the application for issue of tender form shall be received on **08-08-2024** up to 12.00 noon.

Conditions:

11. The contractor should have the EPF registration certificate should be attached with application.
12. The GST registration certificate.
13. The contractor should produce a copy of latest enlistment/renewal.
14. The latest ITR filed should be attached with application.
15. The bidders enlisted in a particular class shall be eligible to tender for his own class or one step below.
16. The bidder should attach authorization and work done certificate with application for Specialized Jobs.
17. The FDR duly pledged should be attached separately with each tender.
18. Only two number tender forms will be issued to the eligible contractor.
19. The Executive Engineer, Electrical Division, HP PWD Palampur reserves the right to reject any tender without assigning any reasons.
20. 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	SITC of Indoor S/Door cubical panel in Ground Floor at 30 Bedded Hospital Chadhar in Tehsil Baijnath, Distt. Kangra, HP.	337471/-	6800/-	One Month	8	350/-
2	Replacement of old and damaged main control panel, sub panels and protection devices in L.H.S. area of Interns Hostel at Dr.RPGMC Tanda, Distt. Kangra, HP.	480016/-	9700/-	Two Months	8	350/-
3	Replacement of old and damaged main control panel, sub panels and protection devices in R.H.S. area of Interns Hostel at Dr.RPGMC Tanda, Distt. Kangra, HP.	443168/-	8900/-	Two Months	8	350/-
4	Replacement of E.I. in Ground Floor at 30 Bedded Hospital Chadhar in Tehsil Baijnath, Distt. Kangra, HP.	499639/-	10000/-	One Month	8	350/-
5	C/O type-II Quarters for Fire Department at Kangra in Tehsil & Distt. Kangra, HP (SH: Providing E.I. to 03 Nos. Quarters (L.H.S.) therein).	357969/-	7200/-	Six Months	8	350/-
7	Replacement of E.I. and safety devices in Eye Mobile unit at Dharamshala, Distt. Kangra, HP (SH: Replacement of wiring therein)	498287/-	10000/-	Three Months	8	350/-

HIM SUCHNA AVAM JAN SAMPARK VIBHAG

SCHEDULE OF QUANTITY

Name of Work :- SITC of Indoor S/Door Cubical Panel in (Ground Floor) at 30 Bedded Hospital Chadhar in Tehsil Baijnath Distt. Kangra (H.P).

ESTIMATED COST: Rs.3,37,471/-only.
EARNEST MONEY: Rs.6800/-only
TIME ALLOWED: One Month

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying, Installation, Testing and Commissioning of indoor s/door,Cubical type L.T. Panel. The Panel shall be compartmentalized type having space and arrangement for incoming and outgoing cables/bus ducting, switchgear, insulated and properly supported compartmentalized bus-bars, interconnection between bus bars and switchgear with auxiliary bus bars/insulated conductors/strips etc. It shall be fabricated in 14/ 16G CRCA sheet, base frame 50X50X5MM angle duly painted with Siemens Grey Powder Coated paintas per specification Approximate Size of Panel H- 1900 X W-1850 X D- 450MM . Assembly of 400A 4 strip copper Bus-Bar (Vertical /Horizontal) & Earth strip through out the length of panel (current denesty) of copper Bus-Bar shall be 1mmx1mm=1.66 Amp) copper shall be Electric grade DMC epoxy insulator . All Busbars links shall be covered / insulated with Heat Shrinkable sleeves of coloured coded Red, Yellow, Blue & Black Assembly Charges of Copper solid/ Copper flexible wire interconnection Busbar to MCCB/MCB to field side for Cable termination duly covered/ insulated with Heat Shrinkable sleeves of coloured coded Red, Yellow, Blue & Black. All Interconnections of fields side are supported by conical, L & Finger type insulators of adequate size to support & sustain the weight of cables. Control Wiring with Copper Flexible Wire (size of control wire shall be 2.5 sq. mm copper flexible for C.T. Circuit & 1.0 sq. mm for Control Wiring) with thimbles printed sleeves, tie & belt etc. Assembly Charges of Accessories like Gasket, Doorlocks, Copper Flexible door earth, legend plates etc. as required complete in all respects and panel should be Approved/Tested from CPRI Lab and should confirm IS 61439. (EVA/KSB Approved equivalent make)					
	The panel shall include the following switchgears & Accessories as per the make of Schneider, L&T, Siemens, ABB etc.					
	Material					

	Main Incomer:- MCCB 400 A 4P- 36 KA TMR with O/L & S/C protection-1 No., spreader link 500A 4P-1 No. Digitally metering set including Amp meter 96X96mm-1 No., Volt meter 96X96mm-1No., Ampere selector switch-1 No., Voltmeter selector, Phase indicating Lamp-3 Nos, O.L.C.O.S. 100A 4P -1 No. Control SP MCB 6A 3 No , terminal Strip 1 No.						
	Outgoing:-						
	MCCB 100A 4P 25 KA TMR with O/L & S/C protection=7No, Spreader link MCCB 100A 4P= 7Nos, MCCB 63 A 4 P 25KA TMR With O/L & s/c Protection 4 No. Spreader link MCCB 63a 4P 4 No.						
	MCCB 63A 4P 25 KA TMR with O/L & S/C protection=2No, Spreader link MCCB 63a 4P 2 No.						
	All interconnections of fields side are supported by conical, L & finger type insulators of adequate size to support & sustain the weight of cables, Control wiring with copper flexible FRLS wire with thimbles, printed sleeves, tie & belt etc;						
	The prices of complete job as per the specifications above shall be inclusive of gasket, doorlocks, reading glass, wooden, copper flexible door earth, legend plates etc,	1	337471.00	Rupees Three Lacs Thirty Seven Thousand Four Hundred Seventy One Only	Per Job	337471	
	Makes for MCCB : Schneider/L&T/ABB .						
	Total					337471	

*Draft schedule of quantity checked and approved
for Rs. 337471/-*

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :-Replacement of old and damaged main control panel, Sub panels and protection devices in L.H.S. Area of Interns Hostel at Dr. RPGMC Tanda Distt. Kangra (H.P.)		Job No 1	ESTIMATED COST: Rs.4,80,016/-only. EARNEST MONEY: Rs.9700/-only TIME ALLOWED: Two 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	2x1.5 Sq. mm.	8	212.00	Rupees Two Hundred Twelve Only	P/Mtr	1696
1.2	2x4 Sq. mm.	5	348.00	Rupees Three Hundred Forty Eight Only	P/Mtr	1740
1.3	2x10 Sq. mm.	5	673.00	Rupees Six Hundred Seventy Three Only	P/Mtr	3365
	(Make:-SC/KEI / Anchor / Plaza)					
2	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required.					
2.1	3x1.5 Sq. mm.	12	111.00	Rupees One Hundred Eleven Only	P/Mtr	1332
	(Make:-KEI / SC/ Anchor / Plaza)					
3	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:-					
3.1	Single pole. Cat-A.	69	265.00	Rupees Two Hundred Sixty Five Only	Each	18285
	Makes:- Legrand/L&T/Schneider.					
4	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.					
4.1	63 Amps. Double Pole	16	616.00	Rupees Six Hundred Sixteen Only	Each	9856
	Makes:-Legrand/L&T/Schneider.					

5	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.						
5.1	63 Amps. Cat-A.	4	3616.00	Rupees Three Thousand Six Hundred Sixteen Only	Each	14464	
	Makes:- Legrand/L&T/Schneider.						
6	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 interconnection powder painted including earthing etc. as required (But without MCB/RCCB/isolator).						
6.1	12 Way double Door	4	2309.00	Rupees Two Thousand Three Hundred Nine Only	Each	9236	
7	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.						
7.1	Tier PPI DB - 12 Way with MCCB incomer	4	14869.00	Rupees Fourteen Thousand Eight Hundred Sixty Nine Only	Each	59476	
	Makes: L&T/Legrand/Schneider						
8	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 Makes: L&T/Legrand/Schneider						
	MCCB 100 Amp 18 KA	4	6653.00	Rupees Six Thousand Six Hundred Fifty Three Only	Each	26612	
9	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 of 2.7 Mtrs. long etc. (but without charcoal or coke and salt) complete as required.	1	18965.00	Rupees Eighteen Thousand Nine Hundred Sixty Five Only	P/Set	18965	

10	Supplying and fixing copper tape 20mmx3mm thick on parapet or surface of wall for lightning conductor as required (for horizontal run)	10	633.00	Rupees Six Hundred Thirty Three Only	P/Mtr	6330
11	Supplying and fixing copper tape 20mmx3mm thick on parapet or surface of wall for lightning conductor as required (for vertical run)	5	685.00	Rupees Six Hundred Eighty Five Only	P/Mtr	3425
12	Providing and fixing 8 SWG 4.0 mm dia copper wire on surface or in recess for loop earthing as required.	12	180.00	Rupees One Hundred Eighty Only	P/Mtr	2160
13	Supplying and erection of Sub-main distribution board (SMDBs) 4-ways (Height 637mm x Width 670mm x Depth 208.50mm), with incomer of 250 Amp. MCCB and outgoing of 4 Nos. 100 Amps. MCCBs 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.					
	Sub Panel SMDB 4 Way 250 Amp incomer	2	151537.00	Rupees One Lacs Fifty One Thousand Five Hundred Thirty Seven Only	P/Job	303074
	Total					480016

Draft schedule of quantity checked and approved
for 480016/-

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY						
NAME OF WORK :-Replacement of old and damaged main control panel, Sub panels and protection devices in R.H.S. Area of Interns Hostel at Dr. RPGMC Tanda Distt. Kangra (H.P.)			job No		ESTIMATED COST: Rs.4,43,168/-only. EARNEST MONEY: Rs.8900/-only TIME ALLOWED: Two Months	
SR. NO.	DESCRIPTION	QTY.	FIGURES	RATES		AMOUNT
				WORDS	UNIT	
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	2x1.5 Sq. mm.	15	212.00	Rupees Two Hundred Twelve Only	P/Mtr	3180
1.2	2x4 Sq. mm.	8	348.00	Rupees Three Hundred Forty Eight Only	P/Mtr	2784
1.3	2x10 Sq. mm.	8	673.00	Rupees Six Hundred Seventy Three Only	P/Mtr	5384
	(Make:-SCI/KEI / Anchor / Plaza)					
2	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required.					
2.1	3x1.5 Sq. mm.	16	111.00	Rupees One Hundred Eleven Only	P/Mtr	1776
	(Make:-SCI/KEI / Anchor / Plaza)					
3	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:-					
3.1	Single pole. Cat-A.	76	265.00	Rupees Two Hundred Sixty Five Only	Each	20140
	Makes:-Legrand/L&T/Schneider.					
4	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.					
4.1	63 Amps. Double Pole	17	616.00	Rupees Six Hundred Sixteen Only	Each	10472
	Makes:- Legrand/L&T/Schneider.					

5	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required						
5.1	63 Amps. Cat-A.	4	3616.00	Rupees Three Thousand Six Hundred Sixteen Only	Each	14464	
6	Makes:- Legrand/L&T/Schneider. 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 interconnection powder painted including earthing etc. as required (But without MCB/RCCB/isolator).						
6.1	12 Way double Door	4	2309.00	Rupees Two Thousand Three Hundred Nine Only	Each	9236	
7	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.						
7.1	Tier PPI DB - 12 Way with MCCB incomer	4	14869.00	Rupees Fourteen Thousand Eight Hundred Sixty Nine Only	Each	59476	
7.2	Tier PPI DB - 08 Way with MCCB incomer	1	11111.00	Rupees Eleven Thousand One Hundred Eleven Only	Each	11111	
8	Makes: L&T/LeGrand/Schneider 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. Makes: L&T/LeGrand/Schneider						
8.1	MCCB 100 Amp 18 KA	4	6653.00	Rupees Six Thousand Six Hundred Fifty Three Only	Each	26612	

8.1	MCCB 63 Amp 10 KA	1	3003.00	Rupees Three Thousand Three Only	Each	3003
9	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 of 2.7 Mtrs. long etc. (but without charcoal or coke and salt) complete as required.	1	18965.00	Rupees Eighteen Thousand Nine Hundred Sixty Five Only	P/Set	18965
10	Supplying and fixing copper tape 20mmx3mm thick on parapet or surface of wall for lightning conductor as required (for horizontal run).	12	633.00	Rupees Six Hundred Thirty Three Only	P/Mtr	7596
11	Supplying and fixing copper tape 20mmx3mm thick on parapet or surface of wall for lightning conductor as required (for vertical run).	8	685.00	Rupees Six Hundred Eighty Five Only	P/Mtr	5480
12	Providing and fixing 8 SWG 4.0 mm dia copper wire on surface or in recess for loop earthing as required.	14	180.00	Rupees One Hundred Eighty Only	P/Mtr	2520
13	Supplying and erection of Sub-main distribution board (SMDBs) 4-ways (Height 1067mm x Width 870mm x Depth 208.50mm), with incomer of 630 Amp, MCCB and outgoing of 2 Nos. 250 Amps. and 1 No. 100 Amp MCCBs 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.					
	Main Panel SMDB 4 Way 630 Amp incomer	1	240969.00	Rupees Two Lacs Forty Thousand Nine Hundred Sixty Nine Only	P/Job	240969
	Total					443168

Done & scheduled quantity checked and approved
for Rs 443168/-

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- Replacement of E.I. in (Ground Floor) at 30 Bedded Hospital Chadhar in Tehsil Bajinath Distt. Kangra (H.P).

ESTIMATED COST: Rs.4,99,639/-only.
EARNEST MONEY: Rs.10,000/-only
TIME ALLOWED: One Month

SR. NO.	DESCRIPTION	QTY.	Job No	RATES		UNIT	AMOUNT
				FIGURES	WORDS		
1	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed existing 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.	47		977	Rupees Nine Hundred Seventy Seven Only	Per point.	45919
	Havells/KEI/Plaza make						
2	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed 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.	32		1858	Rupees One Thousand Eight Hundred Fifty Eight Only	Per point.	59456
	Havells/KEI/Plaza make						
3	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	80		477	Rupees Four Hundred Seventy Seven Only	P/Mtr.	38160
	Havells/KEI/Plaza make						

4	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	75	779	Rupees Seven Hundred Seventy Nine Only	P/Mtr.	58425
5	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required					
i	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	90	401	Rupees Four Hundred One Only	P/Mtr.	36090
ii	2x6Sqmm+ 1 X 6 sq. mm earth wire	80	664	Rupees Six Hundred Sixty Four Only	P/Mtr.	53120
iii	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	60	800	Rupees Eight Hundred Only	P/Mtr.	48000
iv	4 X 10 sq. mm + 2 X 6 sq. mm earth wire	27	1380	Rupees One Thousand Three Hundred Eighty Only	P/Mtr.	37260
v	4 X 16 sq. mm + 2 X 6 sq. mm earth wire	35	2034	Rupees Two Thousand Thirty Four Only	P/Mtr.	71190
6	Havells/KEI/Plaza make 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	83	172	Rupees One Hundred Seventy Two Only	P/Mtr.	14276
	Havells/KEI/Plaza 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 3 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required.	33	591	Rupees Five Hundred Ninety One Only	Each.	19503
	Make :- Schenider/L&T/Legrand					
8	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.	24	760	Rupees Seven Hundred Sixty Only	Each.	18240
	Make :- Schenider/L&T/Legrand					
	Total					499639

Bill of Materials of quantity checked and approved
499639/-

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- C/o Type-II quarters for Fire Department at Kangra in Tehsil & Distt. Kangra (H.P.) (SH: Providing E.I. to 03 Nos. qtrs. (L.H.S.) therein)		Job No	ESTIMATED COST: Rs 3,57,969/-only. EARNEST MONEY: Rs.7200/-only TIME ALLOWED: Six Months			
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.					
1.1	Group A	57	1265.00	Rupees One Thousand Two Hundred Sixty Five Only	Per Point	72105
	(Make:-KEI,Anchor,Finolex) Legrand (Myrius), L&T(Entice), Schneider(Livia)					
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.					
2.1	Group A	3	1964.00	Rupees One Thousand Nine Hundred Sixty Four Only	Per Point	5892
	(Make:-KEI,Anchor,Finolex) Legrand (Myrius), L&T(Entice), Schneider(Livia)					

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.						
3.1	2x1.5 Sq. mm.	96	346.00	Rupees Three Hundred Forty Six Only	Per Meter	33216	
3.2	2x4.0 Sq. mm.	90	493.00	Rupees Four Hundred Ninety Three Only	Per Meter	44370	
3.3	2x10 Sq. mm.	3	808.00	Rupees Eight Hundred Eight Only	Per Meter	2424	
3.4	4x4 Sq. mm.	45	788.00	Rupees Seven Hundred Eighty Eight Only	Per Meter	35460	
	(Make:-KEI / Anchor / Finolex)						
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.						
	3x1.5 Sq. mm.	45.82 46	112.00	Rupees One Hundred Twelve Only	Per Meter	5140	
	(Make:-KEI / Anchor / Finolex)						
5	Supplying and fixing of following sizes of steel conduit along with the accessories in surface / recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required:-						
	25 mm. dia	9	274.00	Rupees Two Hundred Seventy Four Only	Per Meter	2466	
6	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.	27	601.00	Rupees Six Hundred One Only	Each	16227	
	Makes:- L&T/LeGrand/Schneider.						

7	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required. Makes:- L&T/Anchor/Legrand/Schneider.	12 ✓	769.00	Rupees Seven Hundred Sixty Nine Only	Each	9228 ✓
8	Supplying and fixing call bell/ buzzer suitable for single phase, 230 volts, complete as required. Makes:- Anchor/Goldmedal /SSK	3 ✓	229.00	Rupees Two Hundred Twenty Nine Only	Each	687 ✓
9	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.	21 ✓	233.00	Rupees Two Hundred Thirty Three Only	Each	4893 ✓
10	Makes:- L&T/Legrand/Schneider. 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. Double pole. Cat-A.	3 ✓	415.00	Rupees Four Hundred Fifteen Only	Each	1245 ✓
11	Makes:- L&T/Legrand/Schneider. Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	40 Amps. Cat-A.	3 ✓	2292.00	Rupees Two Thousand Two Hundred Ninety Two Only	Each	6876 ✓
	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/ROCB/isolator)	✓	3	2010.00	Rupees Two Thousand Ten Only	Each	6030
	Double door-12 way						
	Makes:- L&T/Legrand/Schneider.						
13	Earthing with G.I. earth plate 600 mmx600 mmx 6 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.	✓	1	10646.00	Rupees Ten Thousand Six Hundred Forty Six Only	Per Set	10646
14	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	✓	30	33.00	Rupees Thirty Three Only	Per Meter	990
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:-						
	Exhaust Fan, Light duty, (Domestic) 300 mm sweep		3 ✓	2309.00	Rupees Two Thousand Three Hundred Nine Only	Each	6927
	Makes: Usha/Bajaj/Crompton						
16	Providing, Installation, testing and commissioning of BLDC ceiling fan with socket type regulator, including wiring the down rods of standard length (upto 30cm) with 16/0.20mm 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.						
	Ceiling Fan 1200mm sweep (BLDC)		9 ✓	4397.00	Rupees Four Thousand Three Hundred Ninety Seven Only	Each	39573
	Makes:- Usha / Bajaj/ Crompton.						

17	Supplying and fixing surface mounted circular LED having following wattage, CCT 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 . The LED with Useful life of 50000 Hrs at L70 with five years warranty . The Input voltage range shall be 150V to 270V, 50/60 HZ complete with all accessories, including connections, testing and commissioning etc. as required complete in all respects.						
	18 Watt LED, Round downlighter surface mounted	6	1567.00	Rupees One Thousand Five Hundred Sixty Seven Only	Each	9402	
	Makes:- Panasonic/Wipro/Havells						
18	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 complete in all respects.						
	LED Mirror Light 10 Watt	3	610.00	Rupees Six Hundred Ten Only	Each	1830	
	Makes: Havells/ Bajaj/Osram						
19	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 year warranty.						

	18 Watt LED Tube fixture	21	1406.00	Rupees One Thousand Four Hundred Six Only	Each	29526
20	Makes: Havells/ Bajaj/ Wipro Providing and fixing of LED Bulkhead 10W +/- 1W with minimum system lumen efficacy of 100 lm/W with and P.F. >0.95 with THD<10%, CCT 5700 K, CRI 70, surge protection 4 kV. The LED with useful life of 50000 hrs. at L70 with 5 years warranty. The input voltage range shall be 150V to 270V as required with all accessories, i/c connections, testing and commissioning etc. as required complete in all respects.					
	LED Bulkhead, 10 Watt					
	Makes: Havells/ Bajaj/ Wipro	9	1424.00	Rupees One Thousand Four Hundred Twenty Four Only	Each	12816
	Total					357969

Draft schedule of quantity checked and approved for ₹ 357969 only

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :-Replacement of E.I and Safety devices in Eye Mobile unit at Dharamshala Distt Kangra (H.P)(SH):- Replacement of Wiring therein).		Job No	ESTIMATED COST: Rs. 4,98,287/-only. EARNEST MONEY: Rs. 10,000/-only TIME ALLOWED: Three Months			
DESCRIPTION	QTY.		RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1.00	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq mm FRLS PVC insulated copper conductor single core cable and 1.5 sq mm FRLS PVC insulated copper conductor single core cable as earth wire in existing surface / recessed steel conduit, 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 /Gold Medal	18	805	Rupees Eight Hundred Five Only	Per Point	14490
1.01	Group C.					
2.00	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with 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 /Gold Medal	63	1712	Rupees One Thousand Seven Hundred Twelve Only	Per Point	107856
2.01	Group C.					
3.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required. Make: KEI/Plaza/Anchor/SCL.	100	395	Rupees Three Hundred Ninety Five Only	Per Metre	39500
3.01	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	165	471	Rupees Four Hundred Seventy One Only	Per Metre	77715
3.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	40	657	Rupees Six Hundred Fifty Seven Only	Per Metre	26280
3.03	2 X 6 sq. mm + 1 X 6 sq. mm earth wire					

3.04	2 X 16 sq. mm + 1 X 6 sq. mm earth wire	25	1108	Rupees One Thousand One Hundred Eight Only	Per Metre	27700
3.05	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	90	771	Rupees Seven Hundred Seventy One Only	Per Metre	69390
3.06	4 X 16 sq. mm + 2 X 6 sq. mm earth wire	20	2025	Rupees Two Thousand Twenty Five Only	Per Metre	40500
4.00	Supplying and fixing of following sizes of Steel 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: BEC Plast/Anchor, Polyfit)					
4.01	25 mm. dia	92	265	Rupees Two Hundred Sixty Five Only	Per Metre	24380
5.00	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess with suitable size of Phenolic laminated sheet cover in front, including providing and fixing 3 pin 5/6 amps socket outlet and 5/6 amps Plano type switch, connection painting etc. as required. Make: Anchor (Penta)/Goldmedal/	45	290	Rupees Two Hundred Ninety Only	Each	13050
6.00	Supplying and fixing Metal box of 180mmx100mmx60mm deep (Nominal Size) on surface or in recess, with suitable size of Phenolic laminated sheet cover in front, including providing and fixing 3 pin 15/16 amps socket outlet and 15/16 amps Plano type switch, connection painting etc. as required. Make: Anchor (Penta)/Goldmedal/	31	485	Rupees Four Hundred Eighty Five Only	Each	15035
7.00	Supplying and fixing 6 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
7.01	Single pole 6 Amp (Make:- Anchor/ Schneider/ Legrand/L&T)	17	265	Rupees Two Hundred Sixty Five Only	Each	4505
7.02	Single pole 16 Amp (Make:- Anchor/ Schneider/ Legrand/L&T)	29	265	Rupees Two Hundred Sixty Five Only	Each	7685

7.03	Single pole 25 Amp (Make:- Anchor/ Schneider/ Legrand/L&T)	2	265	Rupees Two Hundred Sixty Five Only	Each	530
8.00	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required					
8.01	63 Amps. (Make:- Anchor/ Schneider/ Legrand/L&T)	4	616	Rupees Six Hundred Sixteen Only	Each	2464
9.00	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
9.01	63 Amps. (Make:- Schneider/ Legrand/L&T)	4	3616	Rupees Three Thousand Six Hundred Sixteen Only	Each	14464
10.00	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/isolator)					
10.01	Double door-4 way (Make:- Schneider/ Legrand/L&T)	1	1572	Rupees One Thousand Five Hundred Seventy Two Only	Each	1572
10.02	Double door-12 way (Make:- Schneider/ Legrand/L&T)	1	2309	Rupees Two Thousand Three Hundred Nine Only	Each	2309
10.03	Double door-16 way (Make:- Schneider/ Legrand/L&T)	3	2954	Rupees Two Thousand Nine Hundred Fifty Four Only	Each	8862
	Total					498287

Draft Schedule of Quantity checked and approved for 498287/-

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Electrical Division
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