

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

No.: PW/EDP/CB/TA/CONT/2023-24/- - 8613-21

Dated: 22/2/24

To

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

Subject: Publishing of Tender Notice.

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

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

DA/NIT,SQs

Executive Engineer
Electrical Division
HP PWD Palampur

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

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

Executive Engineer
Electrical Division
HP PWD Palampur

**HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT**

"Notice Inviting Tenders"

Sealed percentage rate tenders on form 6&8 are hereby invited by the Executive Engineer, Electrical Division, HP PWD Palampur on behalf of the Governor of H.P. for the following work from the approved and eligible contractors enlisted in HP.PWD. (Elect.) whose registration stood renewed as per revised rules and also registered under the H.P. General Sales Tax Act. 1968 so as to reach in his office on or before **02-03-2024** 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 **01-03-2024** up to 4.00 P.M. and the application for issue of tender form shall be received on **29-02-2024** 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 Additional Block of Govt. Hospital at Palampur (SH: P/F 2 Ton A.C. in Labour room (3 rd floor) therein)	496570/-	10000/-	Two week	8	350/-
2	C/O Additional Block of Govt. Hospital at Palampur (SH: P/F 2 Ton A.C. in O.T. (3 rd floor) therein).	224070/-	4500/-	Two week	8	350/-
3	Replacement of E.I. and Safety devices in Blood Bank at Civil Hospital Palampur Distt. Kangra (HP).	145694/-	3000/-	One Month	8	350/-
4	C/O School of Nursing at Dr. RPGMC Kangra at Tanda in Distt. Kangra (HP) (SH: Providing E.I. to Maternity & New born room, ICU area and in Patient ward at Critical Care Skill Lab/Simulation Lab therein).	499319/-	10000/-	Three Months	8	350/-
5	C/O School of Nursing at Dr. RPGMC Kangra at Tanda in Distt. Kangra (HP) (SH: Providing E.I. to Skill Room, Pantry, Corridor/Lobby & Outside area at Critical Care Skill Lab/Simulation Lab therein).	496189/-	10000/-	Three Months	8	350/-
6	C/O School of Nursing at Dr. RPGMC Kangra at Tanda in Distt. Kangra (HP) (SH: Providing & fixing of LCD Projectors and LED TV to Critical care skill Lab/Simulation Lab therein).	440144/-	8900/-	Three Months	8	350/-

HIM SUCHNA AVAM JAN SAMPARK VIBHAG

SCHEDULE OF QUANTITY

NAME OF WORK :- C/O Additional Block of Govt. Hospital at Palampur.(SH:- P/F 2 Ton A.C. in Labour room (3rd Floor) therein).

job No *1*

**ESTIMATED COST: Rs.4,96,570/-only.
EARNEST MONEY: Rs.10,000/-only
TIME ALLOWED: Two week**

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying, installation, testing and commissioning of 2 Ton hot & cold (Inverter) Split type Air- Conditioning unit of following make confirming to I.S.I-1391 Part -1992 with ammendment No. 1 (expect power consumption norms) fitted with hermetically shielded air- compressor as required complete in all respects.					
1.1	A.C Unit 2 TR Capacity Makes :- Voltas (Model No. :- Vectra 243 v Elegant/ Dakain/O-General	5 ✓	94264 ✓	Rupees Ninety Four Thousand Two Hundred Sixty Four	Each	471320 ✓
2	Supplying and Fixing wall mounting voltage stabilizer of following rating with output 240 volts with voltage regulation range from 170 volt to 250 volt and auto cut off beyond this range and time delay operation for the surges and fluctuations suitable for 1.8 TR capacity split type Air-Conditioner including making connections etc. as required complete in all respects.					
2.1	Automatic Voltage Stabilizer 5 KVA Makes :- V-Guard/Godrej/wirpool	1 ✓	7000 ✓	Rupees Seven Thousand Only	Each	7000 ✓
3	Providing & fixing of M.S.Outdoor heavy duty stand powder coated suitable suitable to hang 1.5/2.0 TR Split type AC with six nos. anchor bolts as required complete in all respects and as per direction of Engineer in Charge.	1 ✓	1100 ✓	Rupees One Thousand One Hundred Only	Each	1100 ✓

4	Providing & fixing of extra copper tubes for refrigerant and condensate (5/8"-1/4") for 1.5/2 T.R. Split type A.C. units and wiring with suitable size of HRFRLS copper conductor single core cables, including the cost of insulation etc. as required complete in all respects.	6	1400	Rupees One Thousand Four Hundred Only	Per Meter	8400
5	Supplying and fixing of casing & Capping (105mmx50mm) along with the accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.	6	1375	Rupees One Thousand Three Hundred Seventy Five Only	Per Meter	8250
6	Supplying and fixing of 25 mm dia of PVC drain pipe along with the accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.	2	250	Rupees Two Hundred Fifty Only	Per Meter	500
Total						496570

Draft Schedule of quantity checked and approved for 496570 only

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- C/O Additional Block of Govt. Hospital at Palampur.(SH:- P/F 2 Ton A.C. in O.T.(3rd Floor) therein).

job No 2

ESTIMATED COST: Rs.2,24,070/-only.
EARNEST MONEY: Rs.4500/-only
TIME ALLOWED: Two week

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying, installation, testing and commissioning of 2 Ton hot & cold (Inverter) Split type Air- Conditioning unit of following make confirming to I.S.I-1391 Part -1992 with ammendment No. 1 (expect power consumption norms) fitted with hermetically shielded air- compressor as required complete in all respects.					
1.1	A.C Unit 2 TR Capacity	2	82085	Rupees Eighty Two Thousand Eighty Five Only	Each	164170
	Makes :- Voltas (Model No. :- Vectra 243 v Elegant/ Dakain/O-General					
2	Supplying and Fixing wall mounting voltage stabilizer of following rating with output 240 volts with voltage regulation range from 170 volt to 250 volt and auto cut off beyond this range and time delay operation for the surges and fluctuations suitable for 1.8 TR capacity split type Air-Conditioner including making connections etc. as required complete in all respects.					
2.1	Automatic Voltage Stabilizer 5 KVA	2	7000	Rupees Seven Thousand Only	Each	14000
	Makes :- V-Guard/Godrej/wirpool					
3	Providing & fixing of M.S.Outdoor heavy duty stand powder coated suitable suitable to hang 1.5/2.0 TR Split type AC with six nos. anchor bolts as required complete in all respects and as per direction of Engineer in Charge.	2	950	Rupees Nine Hundred Fifty Only	Each	1900

4	Providing & fixing of extra copper tubes for refrigerant and condensate (5/8"-1/4") for 1.5/2 T.R. Split type A.C. units and wiring with suitable size of HRFRLS copper conductor single core cables, including the cost of insulation etc. as required complete in all respects.	20 ✓	1400 ✓	Rupees One Thousand Four Hundred Only	Per Meter	28000 ✓
5	Supplying and fixing of casing & Capping (105mmx50mm) along with the accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.	8 ✓	1375 ✓	Rupees One Thousand Three Hundred Seventy Five Only	Per Meter	11000 ✓
6	Supplying and fixing of 25 mm dia of PVC drain pipe along with the accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.	20 ✓	250 ✓	Rupees Two Hundred Fifty Only	Per Meter	5000 ✓
	Total					224070

Draft Schedule of quantity checked and approved for Rs. 2,24,070 only.

HH
 Executive Engineer
 Electrical Division
 HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- Replacement of E I and safety devices in Blood Bank at Civil Hospital Palampur Distt. Kangra (H.P.).

Job No 3

ESTIMATED COST: Rs.1,45,694/-only.
EARNEST MONEY: Rs.3000/-only
TIME ALLOWED: One Month

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	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)	1	22736	Rupees Twenty Two Thousand Seven Hundred Thirty Six Only	Each	22736
	TPN tier PPI Distribution Board 12 way, Sub-incomer 4+4+4 Metal Door 12+12+12MCCB+6+36 Modules					
	L&T/Legrand/Schneider make					
2	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required					
	2x6Sqmm + 1 X 6 sq. mm earth wire	27	657	Rupees Six Hundred Fifty Seven Only	P/Mtr.	17739
	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	25	793	Rupees Seven Hundred Ninety Three Only	P/Mtr.	19825
	4 X 10 sq. mm + 2 X 6 sq. mm earth wire	40	1336	Rupees One Thousand Three Hundred Thirty Six Only	P/Mtr.	53440
	SCI/KEI/Plaza make					
3	Supplying and fixing suitable size G I box with modular plate and cover in front on surface or in recess including providing and fixing 25 amps modular socket outlet and 25 amps, modular SP MCB 'C' curve including connections, painting etc. as required.	2	754	Rupees Seven Hundred Fifty Four Only	Each.	1508
	Make :-L&T,Legrend,Schneider					

	SCI/KEI/Plaza make							
4	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:-							
	Double door-12 way	3 ✓	2309 ✓	Rupees Two Thousand Three Hundred Nine Only	Each	6927		
	Make :-L&T, Legrend,Schenider							
	SCI/KEI/Plaza make							
5	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.	5 ✓	265 ✓	Rupees Two Hundred Sixty Five Only	Each	1325 ✓		
	16 Amp Single pole. Cat-A.	8 ✓	265 ✓	Rupees Two Hundred Sixty Five Only	Each	2120 ✓		
	25 Amp Single pole. Cat-A.	2 ✓	265 ✓	Rupees Two Hundred Sixty Five Only	Each	530 ✓		
	Make :-L&T, Legrend,Schenider							
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.							
	63 Amps. Cat-A.	3 ✓	616 ✓	Rupees Six Hundred Sixteen Only	Each	1848 ✓		
	L&T/Legrand/Schneider make							

7	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.							
	63 Amps. Cat-A.	3	3616	Rupees Three Thousand Six Hundred Sixteen Only	Each	10848		
	L&T/Legrand/Schneider make							
8	Providing and fixing following rating and breaking capacity MCCB with thermomagnetic release and terminal spreaders in existing cubical panel board including drilling holes cubical panel, making connections etc. as required.							
	63/100 Amp 30 KA	1	6848	Rupees Six Thousand Eight Hundred Forty Eight Only	Each	6848		
	L&T/Legrand/Schneider make							
	Total					145694		

Draft Schedule of quantity checked and approved for Rs. 1,45,694 only

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- C/o School of Nursing at Dr. RPGMC Kangra at Tanda in Distt. Kangra (H.P.) (SH: Providing E.I. to Maternity & New born room, ICU area and In Patient Ward at Critical Care Skill Lab/Simulation Lab therein)

job No 4

ESTIMATED COST: Rs.4,99,319/-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 and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.					
1.1	Group C (Make:-KEI,Anchor,Plaza) Legrand (Myrius), L&T(Entice), Schneider(Livia)	34	1345.00	Rupees One Thousand Three Hundred Forty Five Only	P/Pt	45730
2	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surfacel/ recessed medium class PVC conduit as required.					
2.1	2x1.5 Sq. mm.	36	217.00	Rupees Two Hundred Seventeen Only	P/Mtr	7812
2.2	2x2.5 Sq. mm.	73	277.00	Rupees Two Hundred Seventy Seven Only	P/Mtr	20221
2.3	2x4 Sq. mm.	65	353.00	Rupees Three Hundred Fifty Three Only	P/Mtr	22945

2.4	2x6 Sq. mm.		49	491.00	Rupees Four Hundred Ninety One Only	P/Mtr	24059
2.5	2x10 Sq. mm.		26	678.00	Rupees Six Hundred Seventy Eight Only	P/Mtr	17628
2.6	2x16 Sq. mm.		14	953.00	Rupees Nine Hundred Fifty Three Only	P/Mtr	13342
2.7	4x2.5 Sq. mm.		42	460.00	Rupees Four Hundred Sixty Only	P/Mtr	19320
2.8	4x4 Sq. mm.		102	612.00	Rupees Six Hundred Twelve Only	P/Mtr	62424
	(Make:-KEI / Anchor / Plaza)						
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.		28	112.00	Rupees One Hundred Twelve Only	P/Mtr	3136
	(Make:-KEI / Anchor / Plaza)						
4	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required.		11	591.00	Rupees Five Hundred Ninety One Only	Each	6501
	(Make:-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 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required.		14	760.00	Rupees Seven Hundred Sixty Only	Each	10640
	(Make:- L&T/Legrand/Schneider.)						
6	Supplying & fixing of G.I. modular boxes of following sizes along with modular base and cover plate for modular switches in recess as required:-						

6.1	2 Modules	8	385.00	Rupees Three Hundred Eighty Five Only	Each	3080
6.2	6 Modules	4	545.00	Rupees Five Hundred Forty Five Only	Each	2180
6.3	8 Modules	16	667.00	Rupees Six Hundred Sixty Seven Only	Each	10672
	Makes:- L&T/Legrand/Schneider.					
7	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required.					
7.1	S.P. 5/ 10Amps one way Modular switch.	32	133.00	Rupees One Hundred Thirty Three Only	Each	4256
7.2	5 pin, 5/ 6 Amps Modular socket outlet.	48	189.00	Rupees One Hundred Eighty Nine Only	Each	9072
7.3	S.P. 15/ 16 Amps one way Modular switch.	8	228.00	Rupees Two Hundred Twenty Eight Only	Each	1824
7.4	6 pin, 15/16 amp modular socket outlet	8	343.00	Rupees Three Hundred Forty Three Only	Each	2744
7.5	25 Amp switch	4	383.00	Rupees Three Hundred Eighty Three Only	Each	1532
7.6	25 amp socket	4	350.00	Rupees Three Hundred Fifty Only	Each	1400
	Makes:- L&T/Legrand/Schneider.					

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.						
8.1	Single pole. Cat-A.	27	268.00	Rupees Two Hundred Sixty Eight Only	Each	7236	
	Makes:- Legrand/L&T/Schneider.						
9	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.						
9.1	63 Amps. Double Pole	3	531.00	Rupees Five Hundred Thirty One Only	Each	1593	
	Makes:- Legrand/L&T/Schneider.						
10	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
10.1	63 Amps. Cat-A.	3	2981.00	Rupees Two Thousand Nine Hundred Eighty One Only	Each	8943	
	Makes:- L&T/Legrand/Schneider.						
11	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:-						
11.1	Double door-16 way	2	2971.00	Rupees Two Thousand Nine Hundred Seventy One Only	Each	5942	
	Makes:- L&T/Legrand/Schneider.						

12	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:-					
12.1	Armoured cable 120 sq. mm (3.5 core)	30	1717.00	Rupees One Thousand Seven Hundred Seventeen Only	P/Mtr	51510
	Makes:- KEI/Havells/Plaza					
13	Supplying & laying 8 SWG G.I. wire at 0.50 below ground level for conductor earth electrode, including connection/ termination with G.I. thimble etc. as required.					
13.1	8 SWG G.I. wire	160	182.00	Rupees One Hundred Eighty Two Only	P/Mtr	29120
14	Supplying and fixing extra conduit down rod of 60 cm length G.I. pipe 15 mm dia, heavy gauge including painting etc. as required. (Note: More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored).	7	133.00	Rupees One Hundred Thirty Three Only	Each	931
15	Providing, Installation, testing and commissioning of wall fan of following size by means of Suitable rag-bolt/ nuts, connections, testing and commissioning etc. as required complete in al respects to the best satisfaction of Engineer-in-charge.					
15.1	Wall Fan 400 mm Sweep	6	3042.00	Rupees Three Thousand Forty Two Only	Each	18252
16	Providing and fixing of LED fixture 600mm x 600mm 36Watt +/- 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. The input voltage range shall be 150V as required complete with connections, testing etc.					

16.1	LED Panel 2'x2' 36 watt	14	4527.00	Rupees Four Thousand Five Hundred Twenty Seven Only	Each	63378
	Makes:- Philips/ Wipro/Bajaj					
17	Providing and installation of LED fixtures 18 W +/- 1 W LED round/Square surface mounted downlighter with minimum system lumenefficacy of 85 lm/W with and PF >0.95 with THD <20%, CCT 6000K, CRI 80 the LED with useful life of 50000Hrs. At L70. The input voltage range shall be 150 V as required complete with connections testing etc.					
17.1	18 Watt LED, fixture round / square	14	1564.00	Rupees One Thousand Five Hundred Sixty Four Only	Each	21896
	Make: Wipro / Havells/ Bajaj					
	Total					499319

Draft Schedule of quantity checked and approved for ₹ 499319 only

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- C/o School of Nursing at Dr. RPGMC Kangra at Tanda in Distt. Kangra (H.P.) (SH: Providing E.I. to Skill Room, Pantry, Corridor/Lobby & Outside area at Critical Care Skill Lab/Simulation Lab therein)

job No 5

ESTIMATED COST: Rs.4,96,189/-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 and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.					
1.1	Group C (Make:-KEI,Anchor,Plaza) Legrand (Myrius), L&T(Entice), Schneider(Livia)	34	1345	Rupees One Thousand Three Hundred Forty Five Only	P/Pt	45730
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.	37	217	Rupees Two Hundred Seventeen Only	P/Mtr	8029
2.2	2x2.5 Sq. mm.	73	277	Rupees Two Hundred Seventy Seven Only	P/Mtr	20221
2.3	2x4 Sq. mm.	63	353	Rupees Three Hundred Fifty Three Only	P/Mtr	22239
2.4	2x6 Sq. mm.	47	491	Rupees Four Hundred Ninety One Only	P/Mtr	23077

2.5	2x10 Sq. mm.	22	678	Rupees Six Hundred Seventy Eight Only	P/Mtr	14916
2.6	2x16 Sq. mm.	12	953	Rupees Nine Hundred Fifty Three Only	P/Mtr	11436
2.7	4x2.5 Sq. mm.	40	460	Rupees Four Hundred Sixty Only	P/Mtr	18400
2.8	4x4 Sq. mm.	102	612	Rupees Six Hundred Twelve Only	P/Mtr	62424
	(Make:-KEI / Anchor / Plaza)					
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.	27	112	Rupees One Hundred Twelve Only	P/Mtr	3024
	(Make:-KEI / Anchor / Plaza)					
4	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required.	2	591	Rupees Five Hundred Ninety One Only	Each	1182
	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 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required.	6	760	Rupees Seven Hundred Sixty Only	Each	4560
	Makes:- L&T/Legrand/Schneider.					
6	Supplying & fixing of G.I. modular boxes of following sizes along with modular base and cover plate for modular switches in recess as required:-					
6.1	2 Modules	4	385	Rupees Three Hundred Eighty Five Only	Each	1540

6.2	6 Modules	2	545	Rupees Five Hundred Forty Five Only	Each	1090
6.3	8 Modules	7	667	Rupees Six Hundred Sixty Seven Only	Each	4669
	Makes:- L&T/Legrand/Schneider.					
7	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required.					
7.1	S.P. 5/ 10Amps one way Modular switch.	12	133	Rupees One Hundred Thirty Three Only	Each	1596
7.2	5 pin, 5/ 6 Amps Modular socket outlet.	21	189	Rupees One Hundred Eighty Nine Only	Each	3969
7.3	S.P. 15/ 16 Amps one way Modular switch.	2	228	Rupees Two Hundred Twenty Eight Only	Each	456
7.4	6 pin, 15 amp modular socket outlet	2	343	Rupees Three Hundred Forty Three Only	Each	686
7.5	25 Amp switch	3	383	Rupees Three Hundred Eighty Three Only	Each	1149
7.6	25 amp socket	3	350	Rupees Three Hundred Fifty Only	Each	1050
	Makes:- L&T/Legrand/Schneider.					
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.					

8.1	Single pole. Cat-A.	26	268	Rupees Two Hundred Sixty Eight Only	Each	6968
	Makes:- Legrand/L&T/Schneider.					
9	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.					
	63 Amps. Four Pole	2	910	Rupees Nine Hundred Ten Only	Each	1820
	Makes:- Legrand/L&T/Schneider.					
10	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	63 Amps. Four Pole	2	3066	Rupees Three Thousand Sixty Six Only	Each	6132
	Makes:- L&T/LeGrand/Schneider.					
11	Providing and fixing following rating and breaking capacity MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in Cubicle panel, making connections, etc. as required.					
	4P MCCB 100 Amp 16 KA	2	6385	Rupees Six Thousand Three Hundred Eighty Five Only	Each	12770
	Makes:- Legrand/L&T/Schneider.					

12	Providing and fixing Double door following way PPI DBs. Available in CRCA sheet steel, RAJ 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.							
12.1	Tier PPI DB - 12 Way with MCCB incomer	1	13167	Rupees Thirteen Thousand One Hundred Sixty Seven Only	Each	13167		
12.2	TPN DB double door - 4 Way	1	3890	Rupees Three Thousand Eight Hundred Ninety Only	Each	3890		
	Makes: L&T/LeGrand/Havells							
13	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, 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:-							
13.1	Double door-16 way	1	2971	Rupees Two Thousand Nine Hundred Seventy One Only	Each	2971		
	Makes:- L&T/LeGrand/Schneider.							
14	Supplying and fixing extra conduit down rod of 60 cm length G.I. pipe 15 mm dia, heavy gauge including painting etc. as required. (Note: More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored).	28	133	Rupees One Hundred Thirty Three Only	Each	3724		

15	Providing and installation of LED fixtures 18 W +/- 1 W LED round/Square surface mounted downlighter with minimum system lumen efficacy of 85 lm/W with and PF >0.95 with THD <20%, CCT 6000K, CRI 80 the LED with useful life of 50000Hrs. At L70. The input voltage range shall be 150 V as required complete with connections testing etc.					
15.1	18 Watt LED, fixture round / square	4	1564	Rupees One Thousand Five Hundred Sixty Four Only	Each	6256
	Make: Wipro / Havells/ Bajaj					
16	Supplying and erection of Sub-main distribution board (SMDBs) 4-ways (Height 637mm x Width 670mm x Depth 208.50mm), with Incomer of 200 Amp. MCCB and outgoing of 4 Nos. 63 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.					
16.1	Sub-main distribution board SMDB 4 Way	1	187048	Rupees One Lacs Eighty Seven Thousand Forty Eight Only	P/Job	187048
	Total					496189

Doall schedule of work by attached and approved for 4,96,189 rupees

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- C/O School of Nursing of College at Dr. RPGMC
Tanda in Distt. Kangra H.P (SH: Providing and Fixing of LCD
Projectors and LED TV to Critical care skill Lab/Simulation Lab there
in).

job No 6

ESTIMATED COST: Rs.4,40,144/-only.
EARNEST MONEY: Rs. 8900/-only
TIME ALLOWED: Three Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supply installation Testing and Commissioning of 3600 Lumens, WXGA, 3 LCD projector, HDMI X 2, VGA X 2, USB Viewer, USB Display, wireless ready,lamp life 20000 hrs, contrast 20000:1 as required complete in all respects.	1	74960.00	Rupees Seventy Four Thousand Nine Hundred Sixty Only	Each	74960
1.1	LCD projector Make:-Panasonic/ Christie/ Barco					
2	Supply of 43" 4K UHD (3840x2160) Resolution, Brightness 400 cd/m2, Built in Android OS, LED display with built in 2.4 Ghz Wifi, 1.1 Ghz Built in Quad core processor, 2 GB DDR3 RAM, 16 GB Memory, built in Triple Mali 600 MHz GPU, with 2K HDR, Dolby Audio, Built in Wifi and Chromecast, Built in web browser, HDMI CEC, HDMI ARC, Built-in Bluetooth Ver.4, 20W built in speakers, HDMI 2.0 X 3, AV X 1, USB 2.0 X 1, RJ45 X 1, Headphone Out x 1, SPDIF Out x 1, Built in Chrome cast, In-built Capability to run Digital Signage Software of Same OEM, Display Should be capable to run boot up Web Browser in Offline/Online Mode, 24x7 Duty Cycle. as required complete in all respects	1	48811.00	Rupees Forty Eight Thousand Eight Hundred Eleven Only	Each	48811
2.1	LED Panel 43" Size Makes:- Panasonic / Sumsung / Christie					

3	Supply of 55" 4K UHD (3840x2160) Resolution, Brightness 400 cd/m2, Built in Android OS, LED display with built in 2.4 Ghz Wifi, 1.1 Ghz Built in Quad core processor, 2 GB DDR3 RAM, 16 GB Memory, built in Triple Mali 600 MHz GPU, with 2K HDR, Dolby Audio, Built in Wifi and Chromecast, Built in web browser, HDMI CEC, HDMI ARC, Built-in Bluetooth Ver.4, 20W built in speakers, HDMI 2.0 X 3, AV X 1, USB 2.0 X 1, RJ45 X 1, Headphone Out x 1, SPDIF Out x 1, Built in Chrome cast, In-built Capability to run Digital Signage Software of Same OEM, Display Should be capable to run boot up Web Browser in Offline/Online Mode, 24x7 Duty Cycle. as required complete in all respects.	4	73217.00	Rupees Seventy Three Thousand Two Hundred Seventeen Only	Each	292868
3.1	LED Panel 55" Size					
	Makes:- Panasonic / Samsung / Christie					
4	Supply installation Testing & commissioning of motorised screen for LCD Projector Size : 6; X 8" required complete in all respects.	1	17433.00	Rupees Seventeen Thousand Four Hundred Thirty Three Only	Each	17433
	Make:- Panasonic/ Christie/ Barco					
5	Supply installation Testing & commissioning of ceiling mount kit for projector as required complete in all respects.	1	3612.00	Rupees Three Thousand Six Hundred Twelve Only	Each	3612
6	Providing & fixing control wiring of 3 core x 1.5 sqmm power cable in suitable conduits as required complete in all respects.	30	82.00	Rupees Eighty Two Only	Each	2460
	Make:- Finolex/Polycab/Havells					
	Total					440144

Do not schedule quantity checked and approved for 24/01/2019

Executive Engineer
Electrical Division
HPPWD Palampur