

HIMACHAL PRADESH  
PUBLIC WORKS DEPARTMENT

No.: PW/EDP/CB/TA/CONT/2023-24/- 6782-90

Date: 5/12/23

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-26<sup>th</sup> 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, 2<sup>nd</sup> 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 688 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, 1955 so as to reach in his office on or before **15-12-2023** 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 **14-12-2023** up to 4:00 P.M. and the application for issue of tender form shall be received on **13-12-2023** 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	Supplying Installations Testing & Commissioning of Indoor Sub Cubical panel at Rajiv Gandhi Ayurvedic Hospital Paprola in Tehsil Bajnath Distt Kangra (H.P.)	356028/-	7200/-	Two Year	8	350/-
2	C/O Residential and Pooled Accommodation For SDM Office Jaisinghpur in Tehsil Jaisinghpur Distt. Kangra,(HP) (SH:- Providing E.I. therein)	495094/-	10000/-	Two Year	8	350/-
3	Providing and fixing 1.5 TR capacity hot & cold ( Inverter) Split type Air-Conditioning unit in HPPWD Rest House Panchrukhi Distt. Kangra (H.P.)	283120/-	5700/-	Six Months	8	350/-
4	Providing & Fixing 2 Nos Air-Conditioning unit in V.I.P set in Rest House at Jaisinghpur.	207320/-	4200/-	One Month	8	350/-
5	Providing and fixing 1.5 TR 2 TR capacity hot & cold (Inverter) Split type Air-Conditioning unit in HPPWD Rest House Dadh Distt Kangra (H.P.)	473862/-	9500/-	Six Months	8	350/-
6	C/O Additional Accommodation Govt. Sen. Sec. School at Bhaura in Tehsil Palampur Distt Kangra(H.P.)(SH:- Providing E.I. therein)	288568/-	5800/-	Six Months	8	350/-
7	C/O Rajeev Gandhi Govt. Engineering College Kangra at Nagrota Bagwan, Distt Kangra (HP)(SH:- Providing & fixing of Portable Fire Extinguishers in Training Hostel & Amenity Block therein).	326112/-	6600/-	Three Months	8	350/-

8	C/O Govt. Degree College at Majheer Distt Kangra (H.P.)(SH - Providing E.I. Therein)(SH - Supplying and laying Steel conduit therein)	371288/-	7500/-	Six Months	8	350/-
9	C/O Minister Block in Circuit House, Chhagan Dharamshala Distt. Kangra (H.P.)(SH - Balance work therein).	484160/-	9700/-	One Month	8	350/-
10	Repair, Servicing & Comprehensive Maintenance of different types air-conditioning units installed in the Data Centre Library, Sub-distribution in Administration block, Green rooms in Auditorium building & old Lecture Hall-I & II near Guest House Dr. RPGMC Kangra at Tanda for the year 2023-24.	94500/-	1900/-	One Year	8	350/-
11	Providing Copper Earthing in MRU Lab and CDST Lab in Paraclinic Block of Dr. RPGMC Kangra at Tanda.	99973/-	2000/-	Two Months	8	350/-
12	C/O Panchayat Community Centre (PanchayatGhars) Gram Panchayat (Ground Floor) Tappa Block Sullah Distt Kangra (H.P.)(SH - Providing E.I. therein)	99685/-	2000/-	One Year	8	350/-
13	C/O Panchayat Community Centre (PanchayatGhars) Gram Panchayat (Ground Floor) Sapru Block Sullah Distt Kangra (H.P.)(SH - Providing E.I. therein)	99685/-	2000/-	One Year	8	350/-
14	C/O Panchayat Community Centre (PanchayatGhars) Gram Panchayat (Ground Floor) ThuralKhas Block Sullah Distt Kangra (H.P.)(SH - Providing E.I. therein)	99685/-	2000/-	One Year	8	350/-
15	C/O Panchayat Community Centre (PanchayatGhars) Gram Panchayat (Ground Floor) Henja Block Sullah Distt Kangra (H.P.)(SH - Providing E.I. therein)	99685/-	2000/-	One Year	8	350/-
16	C/O Panchayat Community Centre (PanchayatGhars) Gram Panchayat (Ground Floor) Pharer Block Sullah Distt Kangra (H.P.)(SH - Providing E.I. therein)	99685/-	2000/-	One Year	8	350/-
17	Providing replacement of wiring in HPPWD B&R Sub-Division at Indora in Tehsil Indora Distt Kangra (H.P.)	68838/-	1400/-	Three Months	8	350/-
18	Repair & descaling of Radiator of 500 KVA DG Set No. II installed in 500 bedded Hospital, Dr. RPGMC Kangra at Tanda	52995/-	1100/-	One Month	8	350/-
19	Replacement of AMF Controller of 250 KVA DG Set installed in Auditorium Building, Dr. RPGMC Kangra at Tanda.	56482/-	1200/-	One Month	8	350/-
20	Repair maintenance, Testing and Servicing of Fire Fighting System and Refilling of Fire Extinguisher during Vidhansabha session in H.P. Vidhan Sabha at Tapovan (Dharamshala) in District Kangra (H.P.) for the year 2023-24.	61154/-	1300/-	Three Months	8	350/-

21	Repair and maintenance of damaged and defective parts of boom barriers in Vidhan Sabha Complex building at Tapovan Dharamshala Distt Kangra (HP)	222754/-	4500/-	One year	8	350/-
22	Repair and maintenance & servicing of Digital Control Conference System of DIS in HP Vidhan Sabha at Tapovan (Dharamshala) in Distt Kangra for the year 2023-24.	296270/-	10000/-	One year	8	350/-
23	Repair, maintenance, Testing and Servicing of Local Area Network and Intercom System during Vidhan Sabha Session in HP Vidhan Sabha at Tapovan (Dharamshala) in Distt Kangra (HP) for the year 2023-24.	111770/-	2300/-	Three Months	8	350/-
24	Replacement of Burnt and damaged AMF Panel of 100 KVA D.G Set with New AMF Panel installed in Vidhan Sabha Complex Tapovan at Dharamshala Distt Kangra (HP)	450339/-	9100/-	Six Months	8	350/-
25	Replacement of old and damaged Sub Panel and safety devices with PPI in HP PWD Rest House Dharamshala in Distt Kangra (HP)	94178/-	1900/-	Three Months	8	350/-
26	Repair of 22 HP Outdoor unit of variable refrigeration volumeflow based HVAC System LG Make in Circuit house Dharamshala Distt Kangra (HP) (SH Replacement of Inverter Compressor, Gas Charges, outdoor PCB set and installation charges)	220660/-	4500/-	One year	8	350/-
27	C/O Combined office building at Dheera in Tehsil Palampur Distt Kangra (HP) (SH Providing and laying PVC Conduit for Fire Alarm & P.A. System).	135600/-	2800/-	One year	8	350/-
28	Providing additional wiring, wall fans in OPD area and replacement of old/damaged LED fixtures in Mess area of 500 bedded hospital Dr. RPGMC Kangra at Tanda	274275/-	5500/-	Two Months	8	350/-
29	Replacement of Safety devices in Civil Hospital OPD Block Panel Room, Wards Panel Room building at Palampur in Tehsil Palampur Distt Kangra (HP)	258041/-	5200/-	One Month	8	350/-

HIM SUCHNA AVAM JAN SAMPARK VIBHAG



## SCHEDULE OF QUANTITY

**NAME OF WORK :** Supplying Installation Testing & Commissioning of indoor Sub Cubical Panel at Rajiv Gandhi Ayurvedic Hospital Paprola In Tehsil Baijnath Distt. Kangra HP

**ESTIMATED COST:** Rs.3,56,028/-only.  
**EARNEST MONEY:** Rs.7200/-only  
**TIME ALLOWED:** Two Year

job No **1**

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 paint as per specification. Approximate Size of Panel H- 1300 X W-1850 X D- 4500MM. Assembly of 400A 4 strip copper Bus-Bar (Vertical Horizontal) & Earth strip through out the length of panel (current density) of copper Bus-Bar shall be 1mm <sup>2</sup> /mm=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 & 10 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					
	<b>Material</b>					
	Main Incoming - MCCB 400 A 4P- 36 KA TMR with O/L & S/C protection-1 No., spreader link 500A 4P-1 No. Digitally metering set including Amp meter 96X96mm-1 No., Volt meter 96X96mm-1 No., Ampere selector switch-1 No., Voltmeter selector, Phase indicating Lamp-3 Nos, O L C O S 100A 4P -1 No Control SP MCB 6A 3 No., Terminal Strip 1 No					

<b>Outgoing:-</b>									
MCCB 100A 4P 25 KA TMR with O/L & S/C protection=2No, Spreader link MCCB 100A 4P= 2Nos, 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.									
Makes for MCCB : Schneider/L&T/ABB .									
<b>Total</b>									
				1	356028	Rupees Three Lacs Fifty Six Thousand Twenty Eight Only	Per Job	356028	
								356028	

*Do not schedule of quantity checked and approved by 356028/2*  
*K. S. Kumar*  
 Executive Engineer  
 Electrical Division  
 HPPWD Palampur

# SCHEDULE OF QUANTITY

NAME OF WORK :- C/O Residential and Pooled Accommodation For SDM  
Office Jaisinghpur in Tehsil Jaisinghpur Distt. Kangra HP ( SH:-  
Providing E I therein)

ESTIMATED COST: Rs.4,95,094/-only.  
EARNEST MONEY: Rs.10,000/-only  
TIME ALLOWED: Two Year

Job No 2

SR. NO.	DESCRIPTION	QTY.	FIGURES	RATES		UNIT	AMOUNT
				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.	43	1470	Rupees One Thousand Four Hundred Seventy Only		Per point.	63210
	Group B						
	SCI/KEI/Plaza make						
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 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 B.	7	1894	Rupees One Thousand Eight Hundred Ninety Four Only		Per point	13258
	SCI/KEI/Plaza make						
3	supplying and fixing following type of IP 20 Led fixture 20 Watt +/- 1W with surface mounted 4 feet batten Fixture with system efficacy 100lm/W with aluminium housing Power Factor > 0.9, THD < 20% CCT 6500 K, CRI 80, Surge protection 2 Kv. The LED with Useful life of 50000 Hrs at L70. The input voltage range shall be 150V to 270V . with 5 years warranty						
	LED Batten light 20 W	6	761	Rupees Seven Hundred Sixty One Only		Each	4566



4	Make Wipro Cat. no. LL20-281-XXX-AL1 / Phillips / Bajaj/ Providing and installation of LED fixture 15 W +/- 1 W LED Square Surface Mounted Downlighter Round Shape with minimum system lumen efficacy of 85 lm/W with and P. F $\geq$ 0.95 with THD <20%, CCT 6000 K, CRI 80. The LED with useful life of 50000 Hrs at L70. The input voltage range shall be 150V to 270V with 5 years warranty	30	1904	Rupees One Thousand Nine Hundred Four Only	Each	57120
5	LED Surface mounting round downlighter 15 watt Makes :-Wipro (Cat No :-LL20-281-xxx-AL-1/Phillips/Bajaj) Providing and installation of LED fixture 600mmx600mm 36 W +/- 1 W LED with Surface Mounted with PMMA diffuser with having minimum system lumen efficacy 100 lm/W with CRCA housing and PMMA Diffuser with P. F $\geq$ 0.95 with THD <10%, CCT 5700 K, CRI 80. The LED shall be tested with LM80-08 standered with useful life of 50000 Hrs at L70. The input voltage range shall be 150V to 270V. With 5 years warranty Square LED Panel Light 2x2(36W)	1	4310	Rupees Four Thousand Three Hundred Ten Only	Each	4310
6	Makes :-Wipro ( Cat. No.:-CRCO10S038HP57G1L1) Phillips/Bajaj Providing, installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc as required. With 5 years warranty Ceiling Fan 1400 mm sweep, Category-A	5	2791	Rupees Two Thousand Seven Hundred Ninety One Only	Each	13955
	Makes :-Ceiling Fan 1200 mm sweep, Category-A usha Technix Plus 3 Star, Phillips, Bajaj with not less than 3 rated star					



7	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	5	1432	Rupees One Thousand Four Hundred Thirty Two Only	Each	7160
	Makes :-Wipro ( Cat. No.:-LW07-141-XXX-57-G1) Philips/ Bajaj					
8	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:- With 5 years warranty					
	Exhaust Fan, Light duty, (Domestic) 300 mm sweep	4	2269	Rupees Two Thousand Two Hundred Sixty Nine Only	Each	9076
	Exhaust Fan, Light duty, (Domestic) 300 mm sweep (Usha,Bajaj,Crompton make)					
9	Supplying and fixing call bell/buzzer suitable for single phase, 230 volts, complete as required.	1	187	Rupees One Hundred Eighty Seven Only	Each	187
	Gold Medal/Ankor make					
10	supplying and fixing following type of IP 20 Led Mirror Light 5 Watt +/- 1W with surface mounted 4 feet batten Fixture with system efficacy 100lm/W with aluminium housing Power Factor> 0.9, THD < 20% CCT 6500 K, CRI 80, Surge protection 2 Kv. The LED with Useful life of 50000 Hrs at L70. The input voltage range shall be 150V to 270V . with 5 years warranty					
	LED Mirror 5 W	3	389	Rupees Three Hundred Eighty Nine Only	Each	1167
	Make Wipro Cat. no. LL20-281-XXX-AL1 / Phillips / Bajaj/					

11	supplying and fixing following type of IP 20 Led IFancy 7 Watt +/- 1W with surface mounted 4 feet batten Fixture with system efficacy 100lm/W with aluminium housing Power Factor > 0.9, THD < 20% CCT 6500 K, CRI 80, Surge protection 2 Kv. The LED with Useful life of 50000 Hrs at L70. The input voltage range shall be 150V to 270V . with 5 years warranty							
	<b>LED Fancy Light 7 W</b>		1	1883	Rupees One Thousand Eight Hundred Eighty Only	Each	1888	
	<b>Make Wipro Cat. no. LL20-281-XXX-AL1 / Phillips / Bajaj/</b>							
12	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.		31	582	Rupees Five Hundred Eighty Two Only	Each.	18042	
	<b>L&amp;T/Legrand/Schneider make</b>							
13	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.		9	750	Rupees Seven Hundred Fifty Only	Each.	6750	
	<b>L&amp;T/Legrand/Schneider make</b>							
14	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:-							
	<b>Geyser 25 Ltrs.</b>		3	10250	Rupees Ten Thousand Two Hundred Fifty Only	Each.	30750	
	<b>Make :-Bajaj ,Usha,Recold</b>							
15	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.		90	473	Rupees Four Hundred Seventy Three Only	P/Mtr.	42570	
	<b>SCI/KEI/Plaza make</b>							

16	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. SCI/KEI/Plaza make	45	755	Rupees Seven Hundred Fifty Five Only	P/Mtr.	33975
17	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  2x6Sqmm+ 1 X 6 sq. mm earth wire  2 X 10 sq. mm + 1 X 6 sq. mm earth wire SCI/KEI/Plaza make	80 60 17	395 657 793	Rupees Three Hundred Ninety Five Only Rupees Six Hundred Fifty Seven Only Rupees Seven Hundred Ninety Three Only	P/Mtr. P/Mtr. P/Mtr.	31600 39420 13481
18	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 SCI/KEI/Plaza make	25	171	Rupees One Hundred Seventy One Only	P/Mtr.	4275
19	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)					
	TPN tier PPI Distribution Board 12+2 way,MCCB+6+36 Modules	1	11785	Rupees Eleven Thousand Seven Hundred Eighty Five Only	Each	11785
	L&T/Legrand/Schneider make					



20	Providing and fixing following rating and breaking capacity MCCB with thermomagnetic release and spreaders in existing cubical panel board including drilling holes cubical panel, making connections etc. as required.						
	100 Amp 30 KA	1	6848		Rupees Six Thousand Eight Hundred Forty Eight Only	Each	6848
	L&T/Legrand/Schneider make						
21	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, neutral link, earth bar, din-bar, interconnections, powder painted, including earthing etc. as required (But without MCB/RCCB/isolator)						
	Double door-12 way	2	2309		Rupees Two Thousand Three Hundred Nine Only	Each	4618
	L&T/Legrand/Schneider make						
22	Supplying and fixing of 5 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.						
	6-32 Amp Single pole, Cat-A.	18	265		Rupees Two Hundred Sixty Five Only	Each	4770
	L&T/Legrand/Schneider make						
23	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.	6	616		Rupees Six Hundred Sixteen Only	Each	3696
	L&T/Legrand/Schneider make						

24	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	6	3616	Rupees Three Thousand Six Hundred Sixteen Only	Each	21600
	<b>50 Amps. Cat-A</b>					
	<b>L&amp;T/Legrand/Schneider make</b>					
25	Earthing with G.I. earth plate 600mmx900mmx2mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. etc. (with charcoal or coke and salt) complete as required	1	8592	Rupees Eight Thousand Five Hundred Ninety Two Only	Per set	8592
26	Providing and laying earthing connection from earth electrode with 4.00mm dia G.I. wire in 15mm dia G.I. pipe from earth electrode including connection with copper thimble excavation and re-filling as required	30	40	Rupees Forty Only	Per Mtr	1200
27	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 Amp. amps modular socket outlet and 25 Amps modular SP MCB "C" curve including connections. Painting etc. as required	3	775.00	Rupees Seven Hundred Seventy Five Only	Each	2325
	<b>L&amp;T/Legrand/Schneider make</b>					
28	Providing and laying of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade direct in ground, to be laid 1 meter below the ground level including excavation sand cushioning, protective covering and refilling the trench etc. of the required size -					
	<b>Armoured cable 6 sq. mm (tw in core)</b>	50	240.00	Rupees Two Hundred Forty Only	Mtr	12000



29	Providing and fixing Genius -V Post Top LED fixture made of spun alum, housing with sturdy bracket with powder LED,s are mounted directly on extruded alum. Heat sinks . A UV stabilized PC/PMMA diffuser is provided for glare free lighting with high visual comfort. It should be compatible with specification i.e. Power Factor $\geq 0.9$ , Harmonic Distortion $< 10\%$ and efficacy $\geq 100$ Lumens per watt, CRI rating $> 80$ suitable for input voltage: AC 170-270 V, 50 Hz, complete with all accessories, connections, testing and commissioning etc. as required.	2	8107	Rupees Eight Thousand One Hundred Seven Only	Each	16214
	20 Watt LED Post Top Light					
30	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:-					
ii	50 mm. dia	10	261.00	Rupees Two Hundred Sixty One Only	Per Mr.	2610
31	Supplying and Fixing Polycarbonate MCB box complete as required including Connectos, Testing , commissioning	2	1000	Rupees One Thousand Only	Each	2000
	Total					495094

Part schedule of quantity checked and approved  
for 495094/-

Executive Engineer  
Electrical Division  
HPPWD Palampur

5



## SCHEDULE OF QUANTITY

NAME OF WORK :- Providing and fixing 1.5 TR capacity hot & cold ( Inverter) Split type Air-Conditioning unit in HPPWD Rest House Panchrukhi Distt. Kangra (H.P)					
SR. NO.	DESCRIPTION	QTY.	Job No 3		ESTIMATED COST: Rs.2,83,120/-only. EARNEST MONEY: Rs.5700/-only TIME ALLOWED: Six Months
			FIGURES	RATES WORDS	
1	Supplying, installation, testing and commissioning of 1.5 TR capacity 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 including the cost of Gas charging, stand for outdoor unit and 4KVA/5KVA Stabilizer as required complete in all respects.				
	A.C. Unit 1.5 Ton capacity (Hot & Cold )	2	82085.00	Rupees Eighty Two Thousand Eighty Five Only	Each 164170
	Makes: Voltas (Model No : SAC183VHCZS)/O.General (4Star)/Mitsubishi (4star) make.				
2	Providing & fixing of extra copper tubes for refrigerant and condensate (1/4" - 1/2"-5/8) 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.	30	1400.00	Rupees One Thousand Four Hundred Only	Per Meter 42000
3	Supplying and fixing of 25mm dia of PVC drain pipe along with the accessories in surface/recess including cutting the wall and making good the same in case of recessed pipe as required.	30	250.00	Rupees Two Hundred Fifty Only	Per Meter 7500
4	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 1.5/2.0 TR capacity split type Air-Conditioner including making connections etc. as required complete in all respects.				

	Automatic Voltage Stabilizer 4 KVA	2	7000.00	Rupees Seven Thousand Only	Each	14000
	Makes:- V-Guard /w/irpool/Godrej					
5	Providing & fixing of MS 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	1100.00	Rupees One Thousand One Hundred Only	Each	2200
6	Supplying and fixing 2.5 mm sq Three core copper wire as required	30	400.00	Rupees Four Hundred Only	Per Meter	12000
7	Supplying and fixing cassing capping 105x50mm dia as required complete in all respect	30	1375.00	Rupees One Thousand Three Hundred Seventy Five Only	Per Meter	41250
	Total					283120

Deputy Secretary of Electricity, Chittoor  
 28/3/2012

Executive Engineer  
 Electrical Division  
 HPPWD Palampur

# SCHEDULE OF QUANTITY

NAME OF WORK :- Providing & Fixing 2 Nos. Air-Conditioning unit in V.I.P set in Rest House at Jaisinghpur.

Job No 4

ESTIMATED COST: Rs.2,07,320/-only.  
EARNEST MONEY: Rs.4200/-only  
TIME ALLOWED: One Month

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying, installation, testing and commissioning of 1.5 Ton hot & cold (Inverter) Split type Air-Conditioning unit of following make confirming to I.S.I-1391 PART-1992 with amendment No. 1 (expect power consumption norms) filled with hermetically shielded air-compressor as required complete in all respects.					
	A.C. Unit 1.5 TR capacity	2	82085.00	Rupees Eighty Two Thousand Eighty Five Only	Each	164170
	Makes:- Voltas (Model No. :SAC183VHCZS) /Dakin/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.					
	Automatic Voltage Stabilizer 5 KVA	2	7000.00	Rupees Seven Thousand Only	Each	14000
	Makes:- V-Guard /Godrej/wirtpool					
ii	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	1100.00	Rupees One Thousand One Hundred Only	Each	2200
iii	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.	8	1400.00	Rupees One Thousand Four Hundred Only	Per Meter	11200



iv	Supplying and fixing of casing and capping (105 mmx 50mm) along with the accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.	10	1375.00	Rupees One Thousand Three Hundred Seventy Five Only	Per Meter	13750
v	Supplying and fixing of 25mm dia of PVC drain pipe along with the accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.	8	250.00	Rupees Two Hundred Fifty Only	Per Meter	2000
	<b>Total</b>					<b>207320</b>

*Draft school utility checked and approved for 207320/-*

*[Signature]*  
Executive Engineer  
Electrical Division  
HPPWD Palampur

## SCHEDULE OF QUANTITY

**NAME OF WORK :-** Providing and fixing 1.5 TR , 2 TR capacity hot & cold (Inverter) Split type Air-Conditioning unit in HPPWD Rest House Dadh Distt. Kangra H.P.

**Job No** 5

**ESTIMATED COST:** Rs.4,73,862/-only.  
**EARNEST MONEY:** Rs.9500/-only  
**TIME ALLOWED:** Six Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying, installation, testing and commissioning of 1.5 TR capacity 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 including the cost of Gas charging, stand for outdoor unit and 4KVA/5KVA Stabilizer as required complete in all respects.					
	<b>A.C. Unit 1.5 Ton capacity (Hot &amp; Cold )</b>	2	82085.00	Rupees Eighty Two Thousand Eighty Five Only	Each	164170
	<b>Makes: Voltas (Model No : SAC183VHCZS)/O,General (4Star)/Mitsubshi (4star) make.</b>					
2	Supplying, installation, testing and commissioning of 2 TR capacity 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 including the cost of Gas charging, stand for outdoor unit and 4KVA/5KVA Stabilizer as required complete in all respects.					
	<b>A.C. Unit 2 Ton capacity (Hot &amp; Cold )</b>	2	87271.00	Rupees Eighty Seven Thousand Two Hundred Seventy One Only	Each	174542
	<b>Makes: Voltas (Model No : SAC243VHCZS)/O,General (4Star)/Mitsubshi (4star) make.</b>					
3	Providing & fixing of extra copper tubes for refrigerant and condensate (1/4" - 1/2"-5/8) 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.	30	1400.00	Rupees One Thousand Four Hundred Only	Per Meter	42000

4	Supplying and fixing of 25mm dia of PVC drain pipe along with the accessories in surface/recess including cutting the wall and making good the same in case of recessed pipe as required	30	250.00	Rupees Two Hundred Fifty Only	Per Meter	7500
5	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 1.5/2.0 TR capacity split type Air-Conditioner including making connections etc as required complete in all respects					
	Automatic Voltage Stabilizer 4 KVA	4	7000.00	Rupees Seven Thousand Only	Each	28000
	Makes:- V-Guard /whitpool/Gadrel					
6	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	4	1100.00	Rupees One Thousand One Hundred Only	Each	4400
7	Supplying and fixing 2.5 mm sq Three core copper wire as required	30	400.00	Rupees Four Hundred Only	Per Meter	12000
8	Supplying and fixing casting capping 105x50mm dia as required complete in all respect	30	1375.00	Rupees One Thousand Three Hundred Seventy Five Only	Per Meter	41250
	Total					473862

The Disassembled material available from old AC may be deducted from the contractor in the final bill Amounting to Rs. 10000/- as per estimate

Draft schedule of quantities checked and approved for by 24/5/2023/2

Executive Engineer  
Electrical Division  
HPPWD Palampur



## SCHEDULE OF QUANTITY

<b>NAME OF WORK:-</b> C/O Additional Accommodation in Govt Sr. Sec. School at Bhaura Tehsil Palampurpur Dist. Kangra (H.P.) (S.H.- Providing E.I. therein.)			<b>Job No. 8</b> 6		<b>ESTIMATED COST:</b> Rs.2,88,568/-only. <b>EARNEST MONEY:</b> Rs.5800/-only <b>TIME ALLOWED:</b> 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, 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.	60	1824	Rupees One Thousand Eight Hundred Twenty Four Only	Per point.	109440
	SC/KEI/Plaza make					
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 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	1894	Rupees One Thousand Eight Hundred Ninety Four Only	Per point.	3788
	SC/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.	30	473	Rupees Four Hundred Seventy Three Only	P/Mtr.	14190
	SC/KEI/Plaza make					
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					

	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	50	395	Rupees Three Hundred Ninety Five Only	P/Mtr	19750
	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	10	657	Rupees Six Hundred Fifty Seven Only	P/Mtr	6570
	SC/KE/Plaza make					
5	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	60	171	Rupees One Hundred Seventy One Only	P/Mtr	10260
	SC/KE/Plaza 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. Make :- L&T/Schenider/LeGrand	2	582	Rupees Five Hundred Eighty Two Only	Each	1164
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 Make :- L&T/Schenider/LeGrand	2	750	Rupees Seven Hundred Fifty Only	Each	1500
8	Supplying and fixing of 6 amps. to 32 amps. rating. 240/115 volts. 10 mA °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. Make :- L&T/Schenider/LeGrand					
	6 Amp Single pole. Cat-A.	8	265	Rupees Two Hundred Sixty Five Only	Each	2120
	16 Amp Single pole. Cat-A.	2	265	Rupees Two Hundred Sixty Five Only	Each	530
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. Make :- L&T/Schenider/LeGrand					
	40 Amps. Cat-A.	2	488	Rupees Four Hundred Eighty Eight Only	Each	976

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 milliamps in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make :- L&T/Schenider/Legrand					
	40 Amps. Cat-A.	2	2715	Rupees Two Thousand Seven Hundred Fifteen Only	Each	5430
11	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, neutral link, earth bar, din-bar, interconnections, powder painted, including earthing etc. as required:- (But without MCB/RCCB/isolator) Make :- L&T/Schenider/Legrand					
	Double door-12 way	2	2309	Rupees Two Thousand Three Hundred Nine Only	Each	4618
12	Earthing with GI earthing plate 600mmx600mmx6mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. etc. ( with charcoal or coke and salt ) complete as required.	1	8592	Rupees Eight Thousand Five Hundred Ninety Two Only	Per set	8592
13	Supplying and laying 6 SWG GI wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	20	40	Rupees Forty Only	Per Mtr	800
14	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, Category-A	12	3191	Rupees Three Thousand One Hundred Ninety One Only	Each	38292
	Makes :- Ceiling Fan 1200 mm sweep, Category-A usha Technix Plus 3 Star, Philips, Bajaj with 3 rated star					
15	Providing and installation of LED fixture 15 W +/- 1 W LED Square Surface Mounted Downlighter Round Shape with minimum system lumen efficacy of 85 lm/W with and P. F $\geq$ 0.95 with THD <20%, CCT 6000 K, CRI 80, The LED with useful life of 50000 Hrs at L70. The input voltage range shall be 150V to 270V with 5 year warranty.					



	LED Surface mounting round downlighter 15 watt	10	1904	Rupees One Thousand Nine Hundred Four Only	Each	19040
	Makes :-Wipro (Cat No :-LD80-171-xxx-60-SM/Philips/Bajaj)					
16	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)	2	2269	Rupees Two Thousand Two Hundred Sixty Nine Only	Each	4538
	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 $\geq 0.95$ with THD <10%, CCT 5700 K, CRI 70, Surge protection 4 Kv. The LED with useful life of 50000 Hrs at L70. The input voltage range shall be 150V to 270V with 5 year warranty.	12	1432	Rupees One Thousand Four Hundred Thirty Two Only	Each	17184
	Makes :-Wipro ( Cat. No.:-LW07-141-XXX-57-G1) Philips/Bajaj					
17	Providing and installation of IP65 LED fixture 20 W +/- 1 W LED with surface Surface Mounted 4 feet Batten fixture with system with efficacy 100 lm/W with Aluminium housing and P. F $\geq 0.95$ with THD <20%, CCT 6000 K, CRI 80, Surge protection 2 Kv. The LED with useful life of 50000 Hrs at L70. The input voltage range shall be 150V to 270V . with 5 year warranty.					
	LED Batten light 20 W	26	761	Rupees Seven Hundred Sixty One Only	Each	19786
	Makes :-Wipro (Cat. No. LL20-281-XXX-AL1) Philips/Bajaj					
	Total					288568

*Bill + schedule of quantity checked and approved fully 288568/-*

Executive Engineer  
Electrical Division  
HPPWD Palampur

*E*

## SCHEDULE OF QUANTITY

**NAME OF WORK :-** C/o Rajeev Gandhi Govt. Engineering College Kangra at Nagrota Bagwan, Distt. Kangra HP (SH: Providing & fixing of Portable Fire Extinguishers in Training hostel & Amenity Block therein)

**Job No** 7

**ESTIMATED COST:** Rs 3,26,112/-only.  
**EARNEST MONEY:** Rs.6600/-only  
**TIME ALLOWED:** Three Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Providing and fixing Carbon dioxide CO2 4.5 kg type fire extinguishers ISI mark. CE and EN Certified, consisting of seamless cylindrical body, squeeze lever discharge valve fitted with pressure indicating guage internal discharge tube, 30cms long high pressure discharge hose, discharge nozzle, suspension bracket, confirming to IS: 15683 finished externally with red enamel paint and M S Wheel type complete with internal charge as required complete in all respects and to the best satisfaction of Engineer-in-charge.	12	13542	Rupees Thirteen Thousand Five Hundred Forty Two Only	Each	162504
2	Providing and fixing stored pressure vessel ABC 6 Kgs. Powder type fire extinguishers ISI mark. CE and EN Certified,consisting of seamless cylindrical body, squeeze lever discharge valve fitted with pressure indicating guage internal discharge tube, 30cms long high pressure discharge hose, discharge nozzle, suspension bracket, confirming to IS: 15683 finished externally with red enamel paint and fixed to wall with brackets complete with internal charge.	12	7143	Rupees Seven Thousand One Hundred Forty Three Only	Each	85716
3	Providing & fixing of IS marked 15683 Water type 9 Litre (S/P) fire Extinguishers ISI mark. CE and EN Certified,cylindrical body, squeeze lever discharge valve fitted with pressure discharge hose, discharge nozzle, etc. finished externally with red enamel paint and fixed to wall with brackets complete with internal charges.	12	6491	Rupees Six Thousand Four Hundred Ninety One Only	Each	77892
<b>Make: Minimax/Askal/AGGG India.</b>						
<b>Make: Minimax/Askal/AGGG India.</b>						
<b>Total</b>						<b>326112</b>

Draft schedule of quantity checked and approved for Rs 326112/-

Executive Engineer  
Electrical Division  
HPPWD Palampur



## SCHEDULE OF QUANTITY

**Name of Work :-** C/O Govt Degree College at Malheem Distt Kangra (HP) **SH: Providing E.I there in ) (SH: Supplying and laying Steel conduit there in ).**

Job No 8

**ESTIMATED COST:** Rs.3,71,288/-only.  
**EARNEST MONEY:** Rs.7500/-only  
**TIME ALLOWED:** Six Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required. <b>Make :- BEC/Diplas/Sidharth</b>					
AR	25 mm	1200	265	Rupees Two Hundred Sixty Five Only	P/Mtr	318000
2	Supplying and fixing of MS fan box fabricated out of 16 SWG MS sheet and MS round of 12 mm dia as required complete in all respects.	117	85	Rupees Eighty Five Only	Each	9945
3	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).					
	<b>Makes: Legrand, Schlender, L&amp;T</b>					
I	Double door-4way	1	1531	Rupees One Thousand Five Hundred Thirty One Only	Each	1531
II	Double door-12way	1	2309	Rupees Two Thousand Three Hundred Nine Only	Each	2309



iii	Double door-16 way	7	2954	Rupees Two Thousand Nine Hundred Fifty Four Only	Each	20678
4	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required. Make: Anchor, L&T, Goldmedal.					
i	4 Module (125mmX75mm)	20	115	Rupees One Hundred Fifteen Only	Each	2300
ii	6 Module (200mmX75mm)	35	135	Rupees One Hundred Thirty Five Only	Each	4725
iii	8 Module (125mmX125mm)	40	185	Rupees One Hundred Eighty Five Only	Each	7400
iv	12 Module (200mmX150mm)	20	220	Rupees Two Hundred Twenty Only	Each	4400
	Total					371288

Draft schedule of quantity checked and approved  
for Rs 371288/-

Executive Engineer  
Electrical Division  
HPPWD Palampur

## SCHEDULE OF QUANTITY

**Name of Work :-** C/O of Minister Block Circuit House, Chilgari  
Dharamshala Distt Kangra (H.P) (SH:- Balance work therein)

**Job No** 9

**ESTIMATED COST:** Rs.4,84,160/-only.  
**EARNEST MONEY:** Rs.9700/-only  
**TIME ALLOWED:** One Month

SR. NO.	DESCRIPTION	QTY.	FIGURES	RATES	UNIT	AMOUNT
				WORDS		
1	Supplying and erection of Sub-main distribution board (SMDB) 12-ways (Height 1507mm x Width 870mm x Depth 208.50mm), with incomer of 630 Amp. MCCB with Changeover switch 630 Amp and outgoing of 3 nos 250 Amp. MCCB with IP-63 protection and compliance with IEC-61439 alongwith metering box, bottom cabling box, side cabling box left & right, metering extension, corner box etc. with epoxy powder coating etc. complete in all respects and to the best satisfaction of Engineer-in-Charge. Make: L&T/ Havells/ Legrand.	1	427012	Rupees Four Lacs Twenty Seven Thousand Twelve Only	Each	427012
2	Providing and fixing following rating and breaking capacity MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. Make: L&T/ Legrand/Schneider.	2	17304	Rupees Seventeen Thousand Three Hundred Four Only	Each	34608
3	200 Amp 36KA 4 Pole 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/SCI)					
	Armoured cable 70 sq. mm (3.5 core)	20	1127	Rupees One Thousand One Hundred Twenty Seven Only	Per R.Mtr	22540
	<b>Total</b>					<b>484160</b>

*Draft schedule of quantity checked and approved for 484160/-*

Executive Engineer  
Electrical Division  
HPPWD Palampur

## SCHEDULE OF QUANTITY

**NAME OF WORK :-** Repair, Servicing & Comprehensive Maintenance of different types air-conditioning units installed in the Data Centre Library, Sub-distribution in Administration block, Green rooms in Auditorium building & Old Lecture Hall 1 & II near Guest House Dr. R.P.G.M.C Kangra at Tanda for the year 2023-24.

Job No. 10

**ESTIMATED COST:** Rs.94,500/-only.  
**EARNEST MONEY:** Rs.1900/-only  
**TIME ALLOWED:** One Year

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Repair, servicing & comprehensive Maintenance of Split Air-Conditioning Units having following capacity including maintenance of voltage stabilizer and all other accessories extra copper pipes with sleeves, drain pipe, wire, insulation and battens etc with servicing, clearing the filters, charging/topping up of refrigerant/R-22 Gas when required throughout the year including replacement of the compressor of A.C. units which are beyond repair. The repair and maintenance has been done as per instructions and directions to the best satisfaction of Engineer-in-charge					
	Split type A.C. units 2 T.R capacity	21	4500	Rupees Four Thousand Five Hundred Only	Each	94500
	<b>Total</b>					<b>94500</b>

Draft schedule of quantity checked and approved for Rs. 94,500/-

*[Signature]*  
 Executive Engineer  
 Electrical Division  
 HPPWD Palampur



## SCHEDULE OF QUANTITY

**NAME OF WORK :-** Providing Copper Earthing in MRU Lab and CDST Lab in Paraclimic Block of Dr. RPGMC Kangra at Tanda.

**Job No** 21

**ESTIMATED COST:** Rs.99,978/-only.  
**EARNEST MONEY:** Rs.2000/-only  
**TIME ALLOWED:** Two Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal coke and salt as required.	2	18749.00	Rupees Eighteen Thousand Seven Hundred Forty Nine Only	Per Set	37498
2	Providing and fixing 25mm x 5mm copper strip on surface or in recess for earth connections etc. as required.	40	1562.00	Rupees One Thousand Five Hundred Sixty Two Only	Per Meter	62480
	<b>Total</b>					<b>99978</b>

*Draft schedule of quantity checked and approved by 99978/-*

Executive Engineer  
Electrical Division  
HPPWD Palampur

## SCHEDULE OF QUANTITY

NAME OF WORK :-C/O Panchayat Community Centre (Panchayat Ghars ) Gram Panchayat (Ground Floor ) Tappa Block Sullah Distt. Kangra (H.P.)(Sh:- Providing E.I. Therein)			Job No 9 12		ESTIMATED COST: Rs.99,685/-only. EARNEST MONEY: Rs.2000/-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 (HRRF) 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. HRRFLS/PVC insulated single core copper conductor cable as required. <b>Make :- SC/KEI/Plaza</b>					
	<b>Group B.</b>	19	1470	Rupees One Thousand Four Hundred Seventy Only	Per Point	27930
2	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:- <b>with 5 year warranty.</b>					
	<b>Ceiling Fan 1200 mm sweep, Category-A</b>	6	2791	Rupees Two Thousand Seven Hundred Ninety One Only	Each	16746
	<b>Make :- Ceiling Fan 1200 mm sweep, Category-A UshaTechnix Plus 3 star ,Philips/Bajaj with Not Less than 3 rated star</b>					
3	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.	5	582	Rupees Five Hundred Eighty Two Only	Each	2910

	<b>Make:- L&amp;T/Legrand Schneider</b>					
4	Supplying and fixing suitable size GI 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, connection etc. as required.	5	750	Rupees Seven Hundred Fifty Only	Each	3750
	<b>Make:- L&amp;T/Legrand Schneider</b>					
5	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required:- <b>Make:- GoldMedal/SSK/Anchor</b>	1	187	Rupees One Hundred Eighty Seven Only	Each	187
6	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No. HFR/LSPVC insulated single core copper conductor cable of same size for earthing as required.					
	<b>2x2.5 Sq. mm.</b>	15	395.00	Rupees Three Hundred Ninety Five Only	Per Mtr.	5925
	<b>2x4.0 Sq. mm.</b>	21	473.00	Rupees Four Hundred Seventy Three Only	Per Mtr.	9933
	<b>2x6 Sq. mm.</b>	0.5	657.00	Rupees Six Hundred Fifty Seven Only	Per Mtr.	329
	<b>Make :- SCI/KEI/Plaza</b>					
7	Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No. 4 Sq. mm. HFR/LSPVC insulated single core copper conductor cable for earthing as required.	20	755	Rupees Seven Hundred Fifty Five Only	Per Mtr.	15100
	<b>Make :- SCI/KEI/Plaza</b>					



8	Supplying and fixing of 6 amps. to 32 amps. rating, 240/415 volts, 10 KA 'C' curves, miniature circuit breaker suitable for inductive load of following poles in the existing miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections testing and commissioning etc. as required:-	7	265	Rupees Two Hundred Sixty Five Only	Each	1855
	6-32 Amp Single pole. Cat-A					
	Make:- L&T/Legrand /Schneider					
9	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	40 Amps. Cat-A.	1	488	Rupees Four Hundred Eighty Eight Only	Each	488
	Make:- L&T/Legrand Schneider					
10	Earthing with G.I. earth plate 600mmx600mmx3mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. ( with charcoal or coke and salt ) complete as required.	1	8592	Rupees Eight Thousand Five Hundred Ninety Two Only	Pset	8592
15	Providing and laying earthing connection from earth electrode with 4.00 mm dia G.I. wire in 15mm dia G.I. pipe from earth electrode including connection with copper thimble excavation and re-filling as required.	13	40	Rupees Forty Only	Pset	520
11	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, neutral link, earth bar, din-bar, interconnections, powder painted, including earthing etc. as required:- (But without MCB/RCCB/isolator).					
	Double door-12 way	1	2309	Rupees Two Thousand Three Hundred Nine Only	Each	2309
	Make:- L&T/Legrand Schneider					
12	Supplying and fixing bakelite batten/angle holder including connections etc. as required:- Make:- GoldMedal /SSK/Anchor	9	92	Rupees Ninety Two Only	Each	828

13	supplying and fixing 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 20W	3	761	Rupees Seven Hundred Sixty One Only	Each	2283
	Make :- Wipro Cat. No. LL20-281-XXX-AL1/Phillips/Bajaj.					
	Total					99685

*Draft schedule of electrical work approved for Rs 99685/-*

Executive Engineer  
Electrical Division  
HPPWD Palampur

## SCHEDULE OF QUANTITY

**NAME OF WORK :-** C/O Panchayat Community Centre (Panchayat Ghars )  
Gram Panchayat (Ground Floor ) Sapru Block Sullah Dist. Kangra  
(H.P.)(Sh:- Providing E.I Therein)

Job No. **8**  
**13**

**ESTIMATED COST:** Rs.99,685/-only.  
**EARNEST MONEY:** Rs.2000/-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 (HRRF) 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. HRRF/S/PVC insulated single core copper conductor cable as required. Make :- SC/KE/Plaza					
	Group B.	19	1470	Rupees One Thousand Four Hundred Seventy Only	Per Point	27930
2	Providing, Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required:- with 5 year warranty.					
	Ceiling Fan 1200 mm sweep, Category-A	6	2791	Rupees Two Thousand Seven Hundred Ninety One Only	Each	16746
	Make :- Ceiling Fan 1200 mm sweep, Category-A Usha/Technix Plus 3 star , Philips/Bajaj with Not Less than 3 rated star					
3	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.	5	582	Rupees Five Hundred Eighty Two Only	Each	2910



	<b>Make:- L&amp;T/Legrand Schneider</b>					
4	Supplying and fixing suitable size GI 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, connection etc. as required.	5	750	Rupees Seven Hundred Fifty Only	Each	3750
	<b>Make:- L&amp;T/Legrand Schneider</b>					
5	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required:- <b>Make:- GoldMedal/SSK/Anchor</b>	1	187	Rupees One Hundred Eighty Seven Only	Each	187
6	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HFR/L/S/PVC insulated single core copper conductor cable of same size for earthing as required.					
	<b>2x2.5 Sq. mm.</b>	15	395.00	Rupees Three Hundred Ninety Five Only	Per Mtr.	5925
	<b>2x4.0 Sq. mm.</b>	21	473.00	Rupees Four Hundred Seventy Three Only	Per Mtr.	9933
	<b>2x6 Sq. mm.</b>	0.5	657.00	Rupees Six Hundred Fifty Seven Only	Per Mtr.	329
	<b>Make :- SC/IK/Plaza</b>					
7	Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.4 Sq.mm. HFR/L/S/PVC insulated single core copper conductor cable for earthing as required.	20	755	Rupees Seven Hundred Fifty Five Only	Per Mtr.	15100
	<b>Make :- SC/IK/Plaza</b>					

8	Supplying and fixing of 6 amps. to 32 amps. rating, 240/415 volts, 10 KA 'C' curves, miniature circuit breaker suitable for inductive load of following poles in the existing miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections testing and commissioning etc. as required:-	7	265	Rupees Two Hundred Sixty Five Only	Each	1855
	6-32 Amp Single pole. Cat-A					
	Make:- L&T/Legrand/Schneider					
9	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	40 Amps. Cat-A.	1	488	Rupees Four Hundred Eighty Eight Only	Each	488
	Make:- L&T/Legrand/Schneider					
10	Earthing with G.I. earth plate 600mmx600mmx3mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. ( with charcoal or coke and salt ) complete as required.	1	8592	Rupees Eight Thousand Five Hundred Ninety Two Only	Pset	8592
15	Providing and laying earthing connection from earth electrode with 4.00 mm dia G.I. wire in 15mm dia G.I. pipe from earth electrode including connection with copper thimble excavation and re-filling as required.	13	40	Rupees Forty Only	Pset	520
11	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus- bar, neutral link, earth bar, din-bar, interconnections, powder painted, including earthing etc. as required:- (But without MCB/RCCB/Isolator).					
	Double door-12 way	1	2309	Rupees Two Thousand Three Hundred Nine Only	Each	2309
	Make:- L&T/Legrand/Schneider					
12	Supplying and fixing bakelite batten/angle holder including connections etc. as required:- Make:- GoldMedal/SSK/Anchor	9	92	Rupees Ninety Two Only	Each	828

13	supplying and fixing 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 20W	3	761	Rupees Seven Hundred Sixty One Only	Each	2283
	Make :- Wipro Cat. No. LL20-281-XXX-AL1/Phillips/Bajaj.					
	Total					99685

*Self checked quantity checked and approved for 99685/-*

*[Signature]*  
Executive Engineer  
Electrical Division  
HPPWD Palampur



## SCHEDULE OF QUANTITY

**NAME OF WORK :-** C/O Panchayat Community Centre (Panchayat Ghars )  
Gram Panchayat (Ground Floor ) Thural Khas Block Sullah Distt. Kangra  
(H.P.)(Sh:- Providing E.I Therein)

**Job No** 14

**ESTIMATED COST:** Rs.99,685/-only.  
**EARNEST MONEY:** Rs.2000/-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 (HRRF) 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. HRRF/S/PVC insulated single core copper conductor cable as required <b>Make :- SC/KE/Plaza</b>					
	<b>Group B.</b>	19	1470	Rupees One Thousand Four Hundred Seventy Only	Per Point	27930
2	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:- <b>with 5 year warranty.</b>					
	<b>Ceiling Fan 1200 mm sweep, Category-A</b>	6	2791	Rupees Two Thousand Seven Hundred Ninety One Only	Each	16746
	<b>Make :- Ceiling Fan 1200 mm sweep, Category-A Usha/Technix Plus 3 star ,Philips/Bajaj with Not Less than 3 rated star</b>					
3	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.	5	582	Rupees Five Hundred Eighty Two Only	Each	2910

	<b>Make:- L&amp;T/Legrand Schneider</b>					
4	Supplying and fixing suitable size GI 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, connection etc. as required.	5	750	Rupees Seven Hundred Fifty Only	Each	3750
	<b>Make:- L&amp;T/Legrand Schneider</b>					
5	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required:- <b>Make:- GoldMedal/SSK/Anchor</b>	1	187	Rupees One Hundred Eighty Seven Only	Each	187
6	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No. HFR/L/PVC insulated single core copper conductor cable of same size for earthing as required.					
	<b>2x2.5 Sq. mm.</b>	15	395.00	Rupees Three Hundred Ninety Five Only	Per Mtr.	5925
	<b>2x4.0 Sq. mm.</b>	21	473.00	Rupees Four Hundred Seventy Three Only	Per Mtr.	9933
	<b>2x6 Sq. mm.</b>	0.5	657.00	Rupees Six Hundred Fifty Seven Only	Per Mtr.	329
	<b>Make :- SC/KE/Plaza</b>					
7	Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No. 4 Sq. mm. HFR/L/PVC insulated single core copper conductor cable for earthing as required.	20	755	Rupees Seven Hundred Fifty Five Only	Per Mtr.	15100
	<b>Make :- SC/KE/Plaza</b>					

B	Supplying and fixing of 6 amps to 32 amps rating 240/15 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.	7	265	Rupees Two Hundred Sixty Five Only	Each	1855
	6-32 Amp Single pole, Cat-A					
	Make:- L&T/Legrand/Schneider					
9	Supplying and fixing following rating, double pole, 240 volts, Isolator in the existing MCB DB complete with connections, testing and commissioning etc as required.					
	40 Amps, Cat-A	1	488	Rupees Four Hundred Eighty Eight Only	Each	488
	Make:- L&T/Legrand/Schneider					
10	Earthing with G.I. earth plate 600mmx500mmx3mm thick, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc (with charcoal or coke and salt) complete as required.	1	8592	Rupees Eight Thousand Five Hundred Ninety Two Only	Pset	8592
15	Providing and laying earthing connection from earth electrode with 4.00 mm dia G.I. wire in 15mm dia G.I. pipe from earth electrode including connection with copper thimble excavation and re-filling as required.	13	40	Rupees Forty Only	Pset	520
11	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with lined copper bus-bar, neutral link, earth bar, din-bar, interconnections, powder painted, including earthing etc as required. (But without MCB/RCC/Isolator).					
	Double door-12 way	1	2309	Rupees Two Thousand Three Hundred Nine Only	Each	2309
	Make:- L&T/Legrand/Schneider					
12	Supplying and fixing bakelite batten/angle holder including connections etc as required - Make:- GoldMedal/SSK/Anchor	9	92	Rupees Ninety Two Only	Each	828



13	supplying and fixing 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 20W	3	761	Rupees Seven Hundred Sixty One Only	Each	2283
	Make :- Wipro Cat. No. LL20-281-XXX-AL1/Philips/Bajaj.					
	Total					99685

*Boat Schedule of Electricity checked and approved for 99685*

Executive Engineer  
Electrical Division  
HPPWD Palampur

## SCHEDULE OF QUANTITY

NAME OF WORK :-C/O Panchayat Community Centre (Panchayat Ghars ) Gram Panchayat (Ground Floor ) Henja Block Sullah Distt. Kangra (H.P.)(Sh:- Providing E.I Therein)			Job No <b>15</b>		ESTIMATED COST : Rs.99,685/-only. EARNEST MONEY: Rs.2000/-only TIME ALLOWED: One Year	
SR. NO.	DESCRIPTION	QTY.	FIGURES		UNIT	AMOUNT
				RATES WORDS		
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HFRF) 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. <b>Make :- SC/KEI/Plaza</b>					
	<b>Group B.</b>	19	1470	Rupees One Thousand Four Hundred Seventy Only	Per Point	27930
2	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:- <b>with 5 year warranty.</b>					
	<b>Ceiling Fan 1200 mm sweep, Category-A</b>	6	2791	Rupees Two Thousand Seven Hundred Ninety One Only	Each	16746
	<b>Make :- Ceiling Fan 1200 mm sweep, Category-A Usha/Technix Plus 3 star, Philips/Bajaj with Not Less than 3 rated star</b>					
3	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.	5	582	Rupees Five Hundred Eighty Two Only	Each	2910

	<b>Make:- L&amp;T/Legrand Schneider</b>					
4	Supplying and fixing suitable size GI 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, connection etc. as required.	5	750	Rupees Seven Hundred Fifty Only	Each	3750
	<b>Make:- L&amp;T/Legrand Schneider</b>					
5	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required:- <b>Make:- GoldMedal/SSK/Anchor</b>	1	187	Rupees One Hundred Eighty Seven Only	Each	187
6	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No. HRRF/PVC insulated single core copper conductor cable of same size for earthing as required.					
	<b>2x2.5 Sq. mm.</b>	15	395.00	Rupees Three Hundred Ninety Five Only	Per Mtr.	5925
	<b>2x4.0 Sq. mm.</b>	21	473.00	Rupees Four Hundred Seventy Three Only	Per Mtr.	9933
	<b>2x6 Sq. mm.</b>	0.5	657.00	Rupees Six Hundred Fifty Seven Only	Per Mtr.	329
	<b>Make :- SCI/KEI/Plaza</b>					
7	Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No. 4 Sq. mm. HRRF/PVC insulated single core copper conductor cable for earthing as required.	20	755	Rupees Seven Hundred Fifty Five Only	Per Mtr.	15100
	<b>Make :- SCI/KEI/Plaza</b>					



8	Supplying and fixing of 6 amps. to 32 amps. rating, 240/415 volts, 10 KA 'C' curves, miniature circuit breaker suitable for inductive load of following poles in the existing miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections testing and commissioning etc. as required:-	7	265	Rupees Two Hundred Sixty Five Only	Each	1855
	6-32 Amp Single pole. Cat-A					
	Make:- L&T/Legrand /Schneider					
9	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc as required.					
	40 Amps. Cat-A.	1	488	Rupees Four Hundred Eighty Eight Only	Each	488
	Make:- L&T/Legrand Schneider					
10	Earthing with G.I earth plate 600mmx600mmx3mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. ( with charcoal or coke and salt ) complete as required.	1	8592	Rupees Eight Thousand Five Hundred Ninety Two Only	Pset	8592
15	Providing and laying earthing connection from earth electrode with 4.00 mm dia G.I. wire in 15mm dia G.I. pipe from earth electrode including connection with copper thimble excavation and re-filling as required.	13	40	Rupees Forty Only	Pset	520
11	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, neutral link, earth bar, din-bar, interconnections, powder painted, including earthing etc. as required:- (But without MCB/RCCB/isolator).					
	Double door-12 way	1	2309	Rupees Two Thousand Three Hundred Nine Only	Each	2309
	Make:- L&T/Legrand Schneider					
12	Supplying and fixing bakelite batten/angle holder including connections etc. as required:- Make:- GoldMedal /SSK/Anchor	9	92	Rupees Ninety Two Only	Each	828

13	supplying and fixing 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 20W	3	761	Rupees Seven Hundred Sixty One Only	Each	2283
	Make :- Wipro Cat. No. LL20-281-XXX-AL1/Philips/Bajaj.					
	Total					99685

*Draft schedule of quantity checked and approved fully 99685/-*

Executive Engineer  
Electrical Division  
HPPWD Palampur

*[Signature]*

## SCHEDULE OF QUANTITY

**NAME OF WORK :-** C/O Panchayat Community Centre (Panchayat Ghars )  
Gram Panchayat (Ground Floor ) Pharer Block Sullah Distt. Kangra  
(H.P.)(Sh.- Providing E.I Therein)

Job No  16

**ESTIMATED COST:** Rs.99,685/-only.  
**EARNEST MONEY:** Rs.2000/-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 (HRRFR) 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. HRRFLS/PVC insulated single core copper conductor cable as required. <b>Make :- SCIL/KEI/Plaza</b>					
	<b>Group B.</b>	19	1470	Rupees One Thousand Four Hundred Seventy Only	Per Point	27930
2	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. <b>- with 5 year warranty.</b>					
	<b>Ceiling Fan 1200 mm sweep, Category-A</b>	6	2791	Rupees Two Thousand Seven Hundred Ninety One Only	Each	16746
	<b>Make :- Ceiling Fan 1200 mm sweep, Category-A Usha/Technix Plus 3 star ,Philips/Bajaj with Not Less than 3 rated star</b>					
3	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.	5	582	Rupees Five Hundred Eighty Two Only	Each	2910



	<b>Make:- L&amp;T/Legrand Schneider</b>					
4	Supplying and fixing suitable size GI 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, connection etc. as required.	5	750	Rupees Seven Hundred Fifty Only	Each	3750
	<b>Make:- L&amp;T/Legrand Schneider</b>					
5	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase,230 volts complete as required:- <b>Make:- GoldMedal /SSK/Anchor</b>	1	187	Rupees One Hundred Eighty Seven Only	Each	187
6	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HRRFLS/PVC insulated single core copper conductor cable of same size for earthing as required.					
	<b>2x2.5 Sq. mm.</b>	15	395.00	Rupees Three Hundred Ninety Five Only	Per Mtr.	5925
	<b>2x4.0 Sq. mm.</b>	21	473.00	Rupees Four Hundred Seventy Three Only	Per Mtr.	9933
	<b>2x6 Sq. mm.</b>	0.5	657.00	Rupees Six Hundred Fifty Seven Only	Per Mtr.	329
	<b>Make :- SC/IK/El/Plaza</b>					
7	Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.4 Sq.mm. HRRFLS/PVC insulated single core copper conductor cable for earthing as required.	20	755	Rupees Seven Hundred Fifty Five Only	Per Mtr.	15100
	<b>Make :- SC/IK/El/Plaza</b>					

8	Supplying and fixing of 6 amps. to 32 amps. rating, 240/415 volts, 10 KA 'C' curves, miniature circuit breaker suitable for inductive load of following poles in the existing miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections testing and commissioning etc. as required:-	7	265	Rupees Two Hundred Sixty Five Only	Each	1855
	6-32 Amp Single pole. Cat-A					
	Make:- L&T/Legrand /Schneider					
9	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	40 Amps. Cat-A.	1	488	Rupees Four Hundred Eighty Eight Only	Each	488
	Make:- L&T/Legrand Schneider					
10	Earthing with G.I. earth plate 600mmx600mmx3mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. ( with charcoal or coke and salt ) complete as required.	1	8592	Rupees Eight Thousand Five Hundred Ninety Two Only	Pset	8592
15	Providing and laying earthing connection from earth electrode with 4.00 mm dia G.I. wire in 15mm dia G.I. pipe from earth electrode including connection with copper thimble excavation and re-filling as required.	13	40	Rupees Forty Only	Pset	520
11	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, neutral link, earth bar, din-bar, interconnections, powder painted, including earthing etc. as required:- (But without MCB/RCCB/isolator).					
	Double door-12 way	1	2309	Rupees Two Thousand Three Hundred Nine Only	Each	2309
	Make:- L&T/Legrand Schneider					
12	Supplying and fixing bakelite batten/angle holder including connections etc. as required:- Make:- GoldMedal /SSK/Anchor	9	92	Rupees Ninety Two Only	Each	828

13	supplying and fixing 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 20W	3	761	Rupees Seven Hundred Sixty One Only	Each	2283
	Make :- Wipro Cat. No. LL20-281-XXX-AL 1/Philips/Bajaj.					
	Total					99685

*Dr. S. S. Reddy*  
*approved for 99685/-*

Executive Engineer  
Electrical Division  
HPPWD Palampur

*[Signature]*



## SCHEDULE OF QUANTITY

**NAME OF WORK :-** Providing replacement of wiring in HPPWD B&R Sub-Division at Indora in Tehsil Indora Distt Kangra (H.P.)

Job No. **17**

**ESTIMATED COST:** Rs 66,838/-only.  
**EARNEST MONEY:** Rs.1400/-only  
**TIME ALLOWED:** Three Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with 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/Polycab/SCI/ Anchor (Roma Pental)/ Havells(Reo)/SSK/SCI					
i)	Group C.	7	1712	Rupees One Thousand Seven Hundred Twelve Only	Per Point	11984
2	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 in FRLSont including providing and fixing 3 pin 5/6 amps socket outlet and 5/6 amps piano type switch, connection, painting etc. as required. (For light plugs to be used in non residential buildings). Make: Plaza/KEI/Polycab/ Anchor (Roma Pental)/ Havells(Reo)/SSK/SCI	2	290	Rupees Two Hundred Ninety Only	each	580
3	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 front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required. Make: Plaza/KEI/Polycab/ Anchor (Roma Pental)/ Havells(Reo)/SSK/SCI	3	485	Rupees Four Hundred Eighty Five Only	each	1455
4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required. Make: KEI/Plaza/Anchor/SCI.					

i)	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	18	335	Rupees Three Hundred Thirty Five Only	Per Meter	6030
ii)	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	5	793	Rupees Seven Hundred Ninety Three Only	Per Meter	3965
5	Winning for power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required. Make: KEI/Plaza/Anchor/SCI	35	473	Rupees Four Hundred Seventy Three Only	Per Meter	16555
6	Winning for power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 2 Nos 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required. Make: KEI/Plaza/Anchor/SCI.	12	749	Rupees Seven Hundred Forty Nine Only	Per Meter	8988
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/SCI					
	3 x 1.5 sq. mm	15	111	Rupees One Hundred Eleven Only	Per Meter	1665
5	Supplying and fixing suitable size GI box in front on surface or in recess, including providing and fixing 3 nos. 3 pin 5/6 amps piano socket outlets and 3 nos 5/6 amps piano switches, connection etc. as required. (For light plugs to be used in non residential buildings).	2	487	Rupees Four Hundred Eighty Seven Only	each	974
6	Providing and installation of IP20 Led fixture 20 W+/- 1W with Surface Mounted 4 Feet Batten Fixture with system efficacy ≥100lm/W with Aluminium housing P.F.>0.95 with THD<10% ,CCT 6500 K,CRI 80, Surge Protection 2 Kv. The LED with Useful life of 50000 Hrs at L70 with 5- 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.. with 5 year warranty.					

i)	LED Batten 20W, 4 feet long (Make: Jaquar, cat no. LGLZ01X020XC)/Bajaj/Panasonic.	4	569	Rupees Five Hundred Sixty Nine Only	Each	2276
	Providing, Installation, testing and commissioning of ceiling fan ISI mark with electronic fan regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required.					
	Ceiling Fan 1200 mm sweep (Make:Crompton Model: WWHE IS/Usha Model: Energia ISI)/Bajaj(Model: Kassels 50 ISI).Not Less than 3 rated star.	1	2547	Rupees Two Thousand Five Hundred Forty Seven Only	Each	2547
7	Supplying and fixing 6 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
i)	Single pole (Make:- Schneider/Legrand/L&T)	9	265	Rupees Two Hundred Sixty Five Only	Each	2385
8	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
i)	63 Amps. (Make:- Schneider/Legrand/L&T)	1	616	Rupees Six Hundred Sixteen Only	Each	616
9	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
i)	63 Amps. (Make:- Schneider/Legrand/L&T)	1	3616	Rupees Three Thousand Six Hundred Sixteen Only	Each	3616





## SCHEDULE OF QUANTITY

**NAME OF WORK :-** Repair & descaling of Radiator of 500 KVA DG Set No. II  
installed in 500 bedded Hospital, Dr. RPGMC Kangra at Tanda.

**Job No**  
**18**

**ESTIMATED COST:** Rs. 52,995/-only.  
**EARNEST MONEY:** Rs.1100/-only  
**TIME ALLOWED:** One Month

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Repair & descaling of Genset Radiator i.e. cleaning of unwanted surface deposit i.e. dirt, insects etc. sprayed with low pressure hot water plus detergent to spray steam or water from the front of the radiator to the fan alongwith removing of rust and checking & repairing of joint leakage/leakage of radiator tubes with opening and refitting of radiator from the DG engine including making all arrangements complete in all respects and to the best satisfaction of Engineer-in-charge.	1	52995	Ruppes Fifty Two Thousand Nine Hundred Ninety Five Only	Per Set	52995
<b>Total</b>						<b>52995</b>

*Draft Schedule of Quantity checked and approved by 52995/-*

Executive Engineer  
Electrical Division  
HPPWD Palampur

## SCHEDULE OF QUANTITY

**NAME OF WORK :-** Replacement of AMF Controller of 250 KVA DG Set installed in Auditorium Building, Dr. RPGMC Kangra at Tanda.

**Job No** 19

**ESTIMATED COST:** Rs.56,482-only.  
**EARNEST MONEY:** Rs.1200/-only  
**TIME ALLOWED:** One Month

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying & fixing of AMF (Automatic Mains Failure) controller suitable for 250 KVA DG Set to control the DG connected in standby configuration i.e. controls the connection assignment of the load to DG set as required complete in all respects and to the best satisfaction of Engineer-in-charge.	1	56482	Rupees Fifty Six Thousand Four Hundred Eighty Two Only	Per Set	56482
Total						56482

*Dr. T. S. Chandel  
and approved by 56482/-*

*W. S.*  
 Executive Engineer  
 Electrical Division  
 HPPWD Patampur



## SCHEDULE OF QUANTITY

NAME OF WORK :- Repair, Maintenance, Testing and Servicing of Fire Fighting System and Refilling of Fire Extinguisher during Vidhansabha session in H.P. Vidhan Sabha at Tapovan (Dharamshala) In District Kangra (H P) for the year 2023-24			Job No <u>20</u>		ESTIMATED COST: Rs.61,154/-only. EARNEST MONEY: Rs.1300/-only TIME ALLOWED: Three Months	
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Refilling of Portable Fire extinguishers, CO2 type 4.5 kg. Capacity as required complete in all respect.	17	1450	Rupees One Thousand Four Hundred Fifty Only	Each	24650
2	Refilling of Portable Fire extinguishers Water type(S/P) Capacity 9 litrs. as required complete in all respect.	19	750	Rupees Seven Hundred Fifty Only	Each	14250
3	Refilling of Portable Fire extinguishers ABC type (filled with 50 Map Powder) 6 kg.capacity as required complete in all respect.	8	1590	Rupees One Thousand Five Hundred Ninety Only	Each	12720
4	Providing skilled manpower for maintenance of fire Fighting and Fire Alarm System during H.P. Vidhan Sabha session for the year 2023-24.	1	9534	Rupees Nine Thousand Five Hundred Thirty Four Only	Each	9534
Total						61154

*Draft schedule of quantity checked and approved for 61154/-*

Executive Engineer  
Electrical Division  
HPPWD Palampur

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## SCHEDULE OF QUANTITY

Name of Work :- Repair and maintenance of damaged and defective parts of boom barriers in Vidhan Sabha Complex building at Tapovan Dharanashala, Distt. Kangra (H.P.).			job No 21		ESTIMATED COST: Rs.2,22,784/-only. EARNEST MONEY: Rs.4500/-only TIME ALLOWED: One Year	
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1.00	Replacement of damaged boom barrier 6 Metre as required complete in all respects.	2	17877	Rupees Seventeen Thousand Eight Hundred Seventy Seven Only	Each	35754
2.00	Replacement of defective control cards of boom barrier as required complete in all respects.	2	17700	Rupees Seventeen Thousand Seven Hundred Only	Each	35400
3.00	Replacement of bracket of boom barrier etc. as required complete in all respects.	2	10030	Rupees Ten Thousand Thirty Only	Each	20060
4.00	Repair of hydraulic Pump of boom barrier as required complete in all respects.	2	17995	Rupees Seventeen Thousand Nine Hundred Ninety Five Only	Nos	35990
5.00	Replacement of hydraulic Oil of boom barrier as required complete in all respects.	2	2950	Rupees Two Thousand Nine Hundred Fifty Only	Per Liter	5900
6.00	Replacement of Photo sensor of boom barrier etc. as required complete in all respects.	2	7670	Rupees Seven Thousand Six Hundred Seventy Only	Per Pair	15340
7.00	Replacement of Spring of boom barrier as required complete in all respects.	2	14750	Rupees Fourteen Thousand Seven Hundred Fifty Only	Nos	29500
8.00	Replacement of Auto Manual Key of boom barrier as required complete in all respects.	2	4130	Rupees Four Thousand One Hundred Thirty Only	Nos	8260

9.00	Replacement of Door lock of boom barrier as required complete in all respects.	2	885	Rupees Eight Hundred Eighty Five Only	Nos	1770
10.00	Replacement of Cooling Fan of boom barrier as required complete in all respects.	2	3245	Rupees Three Thousand Two Hundred Forty Five Only	Nos	6490
11.00	Replacement of Remote of boom barrier as required complete in all respects.	2	5310	Rupees Five Thousand Three Hundred Ten Only	Nos	10620
12.00	Servicing of boom barrier including testing and commissioning etc. as required complete in all respects.	2	8850	Rupees Eight Thousand Eight Hundred Fifty Only	Nos	17700
	<b>Total</b>					<b>222784</b>

*Draft schedule of quantity attached and approved for Rs 222784/-*

Executive Engineer  
Electrical Division  
HPPWD Palampur



## SCHEDULE OF QUANTITY

NAME OF WORK:- Repair maintenance and servicing of Digital Control Conference System of DIS in H.P Vidhan Sabha at Tapovan (Dharamshala) In District Kangra (H P) for the year 2023-24			Job No. <u>22</u>		ESTIMATED COST: Rs.4,96,270/-only. EARNEST MONEY: Rs.10000/-only TIME ALLOWED: One Year	
Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1.00	Repair, maintenance, servicing and Operation of Digital Control Conference System of DIS in Vidhan Sabha at Tapovan Dharamshala for a time period of One year and the description below					
1.01	This includes providing one scheduled preventive maintenance quarterly to carry out the necessary servicing/repair of the system as required for optimal/reliable functioning of equipment complete in all respect as desired by Engineer - In-charge.					
1.02	This includes replacement/repair of any defect arising out of manufacturing defect. This would exclude replacements necessitated due to damage or breakage arising out of falls, accidents, transportations or failure due to misuse or causes other than ordinary use etc. as and when required .					
1.03	This includes with our scheduled preventive maintenance, the system should work erroneously but in case of any exigency . The firm shall additionally provide unlimited corrective maintenance calls during the Amc.					
1.04	This includes the Tools and tackles required to carry out such maintenance is included in the scope of work . In addition ,a set of fuse ,testing wire ,patch cords ,cleaning cloth , solder iron ,multi meter, UPS Batteries etc.shall be provided by the firm within scope of maintenance of the system etc.as and when required .					
1.05	This includes the Consumable such as batteries,lamp,lens,LCD panel etc. (As per manufacturer discretion) and mishandling of equipment is covered in the scope of work.					

1.06	Repair, maintenance and servicing of Digital Control Conference System of DIS, make in H P Vidhan Sabha at Tapovan Dharamshala for the Year 2023-24	12	36960	Rupees Thirty Six Thousand Nine Hundred Sixty Only	Per Month	443520
2.00	Operation of the above system during such Vidhan Sabha Winter Session or at some other important occasion / function up till the time period of contract by deployment of qualified/Skilled Engineer/Operator for the purpose as required. There is no limit of occasion /function which may be increased and decreased during the year.	10	5275	Rupees Five Thousand Two Hundred Seventy Five Only	P/Day	52750
	<b>Total</b>					<b>496270</b>
<b>Terms And Condition:-</b>						
1	The contractor shall have to deploy qualified/skilled person. The person shall have to be familiar about the system & equipments installed in the building. The contractor staff shall be fully equipped with necessary testing and safety equipments and shall follow all the safety measures strictly.					
2	This contract shall cover the annual i.e. 12 months maintenance, running, operation and testing of the Digital Control Conference System as per the scope of the work contained in the main abstract.					
3	This will also include the repair, such as replacement of electrical wires, Signal Wires etc. as and when required.					
4	Competent service engineer/ technician will be required to attend break down calls as and when intimated within the least possible time but not more than 24 hours in any case. There is no limit of break down calls. The sole responsibility shall be of the firm to keep the whole system in running condition during the event/function will be conduct.					
5	The contractor will ensure that control system is attended / maintained his competent staff to ensure timely action in case of any damage during maintenance / operation will be the responsibility of the contractor and the Employer will not entertain any claim, compensation, and penalty, etc. on this account or on account of non observation of any other requirement of law relevant to his work.					
6	The work shall be carried out as per direction and up to the satisfaction of Engineer - in - Charge.					
7	The contractor shall have to submit the detail of person employed to the department with the address/ ID proof.					
8	The Contractor shall have to ensure the entry of only authorized persons into the building/control room. He shall ensure the safety of all the system equipments and material in the control room.					

*Dr. H. S. Reddy  
Approved - 14/04/2024*

*H. S. Reddy*  
Executive Engineer  
Electrical Division  
HPPWD Palampur

## SCHEDULE OF QUANTITY

**Name of Work :-** Repair, Maintenance, Testing and servicing of Local Area Network and Intercom System during Vidhansabha session in H.P Vidhan Sabha at Tapovan (Dharamshala) In District Kangra (H P) for the year 2023-24.

job No 23

**ESTIMATED COST:** Rs.1,11,770/-only.  
**EARNEST MONEY:** Rs.2300/-only  
**TIME ALLOWED:** Three Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1.00	Repair, maintenance, Testing, servicing and Operation of Local Area Network System/OFC Networking points/ IO Box and SFP modules, Intercom system & also providing Cat 6 Patch cord of 3 Meter, 5 Meter and 10 Meter as per requirement of Vidhansabha staff and Providing the persons i.e. LAN Engineers and Intercom Engineer at the Time of Vidhan sabha Session as required complete in all respect.	1	48950	Rupees Forty Eight Thousand Nine Hundred Fifty Only	Per Job	48950
2.00	Supplying and laying 4 pair cable for plan sets Ministers Block etc. as required complete in all respect. Makes: Consistent/Gadnex	750	42	Rupees Forty Two Only	Per metre	31500
3.00	Supplying and fixing of 25mm dia PVC conduit of medium class with 1.4 mm thickness along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required:- Makes: BEC/ Diplast/Anchor.	210	113	Rupees One Hundred Thirteen Only	Per metre	23730
4.00	Providing and fixing Plan 1+1 Beetel (2 nos) Caller ID / Hand free Speaker/line cords, Rojet boxes and Adaptor complete with all accessories, including connections, testing and commissioning etc.as required complete in all respects. Makes:- Beetal/Panasonic.	1	7590	Rupees Seven Thousand Five Hundred Ninety Only	Each	7590
<b>Total</b>						<b>111770</b>

*Draft schedule of quantity approved for Rs. 111770/-*

Executive Engineer  
Electrical Division  
HPPWD Palampur

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## SCHEDULE OF QUANTITY

Name of Work :- Replacement of burnt and damaged AMF Panel of 100 KVA D.G. Set with New AMF Panel installed in VIDHAN SABHA Complex Tapovan at Dharamshala Distt Kangra (H.P.)		job No 24		ESTIMATED COST: Rs.4,50,339/-only. EARNEST MONEY: Rs.9100/-only TIME ALLOWED: Six Months		
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1.00	Supplying, Installation, Testing and Commissioning of AMF Panel with inbuilt Bypass arrangement (Auto and Manual operation possible) .Cubical type L.T. Panel board of suitable size cubical, weather, dust and vermin proof fabricated out of CRCA sheet steel suitable size thickness complete MCCB panel board should be manufactured and supplied by CPRI approved and ISO 9001 certified OEM. The busbar system should be duly type tested at NABL lab for short time with stand current of 1 second, it should be suitable for wall or floor mounting option, panel board enclosure should be robust construction and corrosion resistance, powder coated with seven tank process with locking arrangement, fixed on suitable size foundation 60 cm above the ground level by providing angle iron of 50x50x6 mm welded on all four corners embedded in PCC 1:2:4 using 20mm graded stone aggregate up to 30 cm including electrical connections with lugs and glands complete with installation, testing and commissioning etc. including the cost of copper alloy bus bar, digital type Ammeter, Voltmeter, modules and three phase indicating lamps as required complete in all respects. The panel should be approved/tested from the CPRI lab and should be confirmed to IS:64139 (APPx Size 1800mm H x 1200 mm W x 400 mm D.) (Make: GM Power Controls & Switchgear/ EVA or equivalent CPRI approved).					
1.01	MATERIAL: AMF PANEL WITH INBUILT BYPASS ARRANGEMENT - AUTO & MANUAL OPERATION POSSIBLE - GOOD FOR LOAD UPTO 200 KW					

1.02	Copper BUSBAR - 400A - PROVISION FOR TERMINATION OF 8-10 CABLES AS OUTGOING SUPPLY - CHARGED BY HPSEB SUPPLY OR DG SUPPLY								
1.03	INCASE - AMF WORKS OK THAN BUSBAR OF PANEL WILL BE CHARGED - FOR AUTOMATIC OPERATIONS								
1.04	IN CASE AMF FAIL TO START - OPERATOR WILL HAVE TO VISIT THE PANEL & OPERATE MANUAL CHANGEOVER - TO THE POSITION TO GET DESIRED POWER								
1.05	IONCE AMF PANEL IS REPAIRED THAN MANUAL CHANGEOVER SHOULD BE SHIFTED TO " O " POSITION , THAN IT WILL START WORKING								
1.06	Earthing terminals and cable glands.								
1.07	Danger notice plate for LT with conventional skull and bones duly riveted/pasted to the panel board door.								
1.08	<b>MAIN INCOMER</b>								
1.09	MCCB 400A, 4P 36 KA TMR with O/L & S/C Protection 1 No Spreader Link MCCB 400A 4P 1 No, Rotary handle 1 No, Coper Bus-Bar feeder 1 No.								
1.10	<b>DG Incomer for DG Supply</b>								
1.11	MCCB 400A 4P 36 KA TMR with O/L & S/C Protection 1 No., Spreader link 400 A 4P 1 Nos. Rotary handle 1 No, Copper Bus-Bar feeder 1 No.								
1.12	<b>Changeover Automatic 400 Amp</b>								
1.13	Automatic transfer switch 400 Amp 1 No, Automation of changeover to make it work like AMF- Changeover with inbuilt provision for manual operation if automatic operation is failed 1 No, Copper Bus Bar for feeder 1 No.								
1.14	<b>Digital Metering and Indication</b>								
1.15	Indicator main supply 1 No, Indicator DG supply 1 No, RYB indication Lamp 3 Nos, Control MCB SP 6A 10KA 5 Nos, Multifunction Meter-VAF 1 No, CTS 400 CL1.o 3 Nos, CT Shorting Link 3 Nos, Wiring for feeder 1 No.								
1.16	<b>Components &amp; Enclosure</b>								
1.17	<b>Copper BUSBAR - 400 Amp 1 No, Enclosure with hardware and all accessories 1 No.,</b>								

1.18	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	450339	Rupees Four Lacs Fifty Thousand Three Hundred Thirty Nine Only	Per Job	450339
1.19	Makes for MCCB : Schneider/L & T/ABB/Siemens.					
	Total					450339

*Best Schedule of Second 14th Creation  
and expenses to 450339*

Executive Engineer  
Electrical Division  
HPPWD Patampur



# SCHEDULE OF QUANTITY

NAME OF WORK :- Replacement of old and damaged Sub Panel and safety devices with PPI in HPPWD Rest House Dharamshala in Distt Kangra (HP).

Job No 25

ESTIMATED COST: Rs.94,178/-only.  
EARNEST MONEY: Rs.1900/-only  
TIME ALLOWED: Three Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1.00	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.					
1.01	Single pole 6 Amp (Make:- Schneider/ Legrand/L&T)	11	265	Rupees Two Hundred Sixty Five Only	Each	2915
1.02	Single pole 16 Amp (Make:- Schneider/ Legrand/L&T)	12	265	Rupees Two Hundred Sixty Five Only	Each	3180
1.03	Single pole 25/32 Amp (Make:- Schneider/ Legrand/L&T)	3	265	Rupees Two Hundred Sixty Five Only	Each	795
2.00	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
2.01	40 Amps. (Make:- Schneider/ Legrand/L&T)	3	488	Rupees Four Hundred Eighty Eight Only	Each	1464
2.02	63 Amps. (Make:- Schneider/ Legrand/L&T)	3	616	Rupees Six Hundred Sixteen Only	Each	1848
3.00	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.					

3.01	40 Amps. (Make:- Schneider/ Legrand/L&T)	2	2715	Rupees Two Thousand Seven Hundred Fifteen Only	Each	5430
3.02	63 Amps. (Make:- Schneider/ Legrand/L&T)	2	3616	Rupees Three Thousand Six Hundred Sixteen Only	Each	7232
4.00	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.					
4.01	LED Mirror Light 10 watt Makes:- Philips /Mipro/Bajaj.	21	370	Rupees Three Hundred Seventy Only	Each	7770
5.00	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of Expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of Non-return valve, Dead weight safety valve, 2 No C.P. connection rods 18" long, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required. Makes: Racold/Bajaj/Havells					
5.01	25 Liter capacity water heater (Cat-A)	2	10250	Rupees Ten Thousand Two Hundred Fifty Only	Each	20500
6.00	Providing and fixing following rating and breaking capacity MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. Make: Schneider/ Legrand/L&T.					

6.01	100 Amp 18KA	2	6653	Rupees Six Thousand Six Hundred Fifty Three Only	Each	13306
7.00	Supplying and fixing of following way triple pole and neutral, sheet steel MCB distribution board, 415 volts, on surface / recess, with provision to mount 4 pole MCCB incomer, 2 module sub-incomer and SP MCBs as outgoing, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required. Make: Legrand/Hager/ L&T.					
7.01	Double door 2+12 way (MCCB+6+36) module.	2	14869	Rupees Fourteen Thousand Eight Hundred Sixty Nine Only	Each	29738
	Total					94178

*Draft Schedule of quantity checked and approved with 94178/-*

Executive Engineer  
Electrical Division  
HPPWD Palampur



## SCHEDULE OF QUANTITY

NAME OF WORK :- Repair of 22 HP Outdoor unit of variable refrigeration volume/flow based HVAC system LG Make In Circuit House Dharamshala Distt Kangra (H.P)(SH:-Replacement Of Invertor Compressure,Gas Charges,outdoor PCB set and installation charges)			Job No 26		ESTIMATED COST: Rs.2,20,660/-only. EARNEST MONEY: Rs.4500/-only TIME ALLOWED: One Year	
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
	Supply & Fixing and repair of 22HP Outdoor unit parts as mentioned below of VRV System					
1	Replacement of Invertor Compressure	1	88500	Rupees Eighty Eight Thousand Five Hundred Only	Each	88500
2	Gas Charges	20	1770	Rupees One Thousand Seven Hundred Seventy Only	P/Kg	35400
3	Installation and Commissioning Charges	1	17700	Rupees Seventeen Thousand Seven Hundred Only	P/Lot	17700
4	Outdoor PCB	1	79060	Rupees Seventy Nine Thousand Sixty Only	Each	79060
	Total					220660

*Draft schedule of quantity checked and approved for Rs. 220660/-*

Executive Engineer  
Electrical Division  
HPPWD Palampur



## SCHEDULE OF QUANTITY

NAME OF WORK :- C/O Combined office building at Dheera in Tehsil Palampur Distt. Kangra (HP).(SH:- Providing and laying PVC conduit for Fire Alarm & P.A system).		Job No 27		ESTIMATED COST: Rs.1,35,600/-only. EARNEST MONEY: Rs.2800/-only TIME ALLOWED: One Year		
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1.00	Supplying and laying of following size of midium class PVC conduit along with accessories in surface/recessed including cutting the wall and making good the same in case of recessedcondit as required.					
1.01	25 mm dia	1200.	113	Rupees One Hundred Thirteen Only	Per Meter	135600-
	Make :- Diplast/BEC/Polyfit					
	Total					135600

Nagp -Scheduling quantity checked and approved for ₹ 135600/-

Executive Engineer  
Electrical Division  
HPPWD Palampur

# DRAFT SCHEDULE OF QUANTITY

NAME OF WORK :- Providing additional wiring, wall fans in OPD area and replacement of old/damaged LED fixtures in Mess area of 500 bedded hospital Dr. RPGMC Kangra at Tanda.

job No ~~20~~ 28

ESTIMATED COST: Rs.2,74,275/-only.  
EARNEST MONEY: Rs.5500/-only  
TIME ALLOWED: Two Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface /recessed medium class PVC conduit and earthing the point with 1.5 sq. mm. FRLS PVC insulated copper conductor single core cable etc as required. (But without p/t switch, phenolic laminated sheet and M.S. box)					
	Group C	5	1133.00	Rupees One Thousand One Hundred Thirty Three Only	Point	5665
	Make:- KEI/Anchor/Plaza/SCI					
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.	40	212.00	Rupees Two Hundred Twelve Only	Per Meter	8480
2.2	2x4 Sq. mm.	103.4	348.00	Rupees Three Hundred Forty Eight Only	Per Meter	35971
2.3	2x10 Sq. mm.	12	673.00	Rupees Six Hundred Seventy Three Only	Per Meter	8076
	Make:- KEI/Anchor/Plaza/SCI					
3	Supplying & fixing of G.I. modular boxes of following sizes along with modular base and cover plate for modular switches in recess as required:-					
3.1	2 modules	8	276.00	Rupees Two Hundred Seventy Six Only	Each	2208
3.2	3 modules	4	456.00	Rupees Four Hundred Fifty Six Only	Each	1824
3.3	6 modules	9	625.00	Rupees Six Hundred Twenty Five Only	Each	5625
	Makes:- L&T/Legrand/Schneider					



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.	18	766.00	Rupees Seven Hundred Sixty Six Only	Each	13788
	<b>Makes:- L&amp;T/Legrand/Schneider.</b>					
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.	20	1146.00	Rupees One Thousand One Hundred Forty Six Only	Each	22920
	<b>Makes:- L&amp;T/Legrand/Schneider.</b>					
6	Supplying and erection of 6 amps. to 32 amps. rating. 10 KA breaking capacity. 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-					
	Single pole. Cat-A.	13	265.00	Rupees Two Hundred Sixty Five Only	Each	3445
	<b>Makes:- L&amp;T/Legrand/Schneider.</b>					
7	Supplying and fixing 40/50/63 amps rating. 240/415 volts, 10 KA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	63 Amp. Double pole	2	1071.00	Rupees One Thousand Seventy One Only	Each	2142
	<b>Makes:- L&amp;T/Legrand/Schneider.</b>					
8	Supplying and fixing following rating. double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamps in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	63 Amp. Double pole	1	3616.00	Rupees Three Thousand Six Hundred Sixteen Only	Each	3616
	<b>Makes:- L&amp;T/Legrand/Schneider.</b>					

9	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)					
9.1	6 way, Double door	9	1737.00	Rupees One Thousand Seven Hundred Thirty Seven Only	Each	15633
9.2	12 way, Double door	1	2309.00	Rupees Two Thousand Three Hundred Nine Only	Each	2309
	Makes:- L&T/Legrand/Schneider.					
10	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)	2	737.00	Rupees Seven Hundred Thirty Seven Only	Each	1474
	Makes:- L&T/Legrand/Schneider					
11	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	2	2269.00	Rupees Two Thousand Two Hundred Sixty Nine Only	Each	4538
	Makes: Usha / Bajaj /Crompton Greaves					
12	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.					
	Ceiling Fan 1200 mm sweep, Category-A	2	3191.00	Rupees Three Thousand One Hundred Ninety One Only	Each	6382
	Makes:- Usha Technix Plus 3 Star/ Bajaj/ Crompton.					

13	Providing, Installation, testing and commissioning of wall fan of following size by means of suitable rag-bolt/ nuts, connections, testing and commissioning etc as required complete in all respects to the best satisfaction of Engineer-in-charge					
	Wall Fan 400mm sweep	7	3032.00	Rupees Three Thousand Thirty Two Only	Each	21224
	Makes:- Usha/ Bajaj/ Crompton.					
14	Supply of IP20 led fixture 24 W +/- 1 W LED Surface Mounted Downlighter Round/Square Shape with minimum system lumen efficacy of 100 lm/W with Polycarbonate housing, pressure die cast heat sink and P.F. >0.95 with THD<10%, CRI 80. The LED shall be tested with LM80-08 standard with Useful life of 50000 Hrs at L70. The LEDs used in the luminaire shall have CCT of ANSI Bin 4000 K with CRI of minimum 80. The Input voltage range shall be 100V to 265V with surge protection of 2.5 KV.					
	LED fixture 24 W +/- 1 W LED Surface Mounted Downlighter Round/Square	35	3113.00	Rupees Three Thousand One Hundred Thirteen Only	Each	108955
	Makes:- Philips Cirrus Mini Pro Surface Wipro/Bajaj.					
	Total					274275

*Self Schedule of quantity checked and approved for 29/4/2025*

*Executive Engineer*  
Electrical Division  
HPPWD Palampur



# DRAFT SCHEDULE OF QUANTITY

NAME OF WORK:- Name of Work :- Replacement of Safety devices in Civil Hospital OPD Block Panel Room, Wards Panel Room building at Palampur in Tehsil Palampur Distt. Kangra HP

Job No. 529

ESTIMATED COST: Rs.2,58,041/- Only.  
EARNEST MONEY: Rs.5200/- only  
TIME ALLOWED: One Month

Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Providing and fixing TPN switch disconnector fuse unit panel mounting, 415/500 volts with 3 No HRC/HRC fuses, open execution, including drilling holes in the cubical, making connections, etc. as required. ( Make L&T/Schneider/Legrand/Havells)					
	HRC Fuse 125 amp	1	11306/-	Rupees Eleven Thousand Three Hundred Six Only	Each	11306
	HRC Fuse 100 amp	6	9525	Rupees Nine Thousand Five Hundred Twenty Five Only	Each	57150
2	Providing and fixing following rating and breaking capacity MCCB with thermomagnetic release and terminal spreaders in existing cubical panel board including drilling holes in the cubical, making connections, etc. as required ( Make L&T/Schneider/Legrand/Havells)					
	400 Amp 65 ka MCCB 4 Pole	1	33519	Rupees Thirty Three Thousand Five Hundred Nineteen Only	Each	33519
	63 Amp 65 ka MCCB 4 Pole ( Make L&T/Legrand/Schneider )	5	6848	Rupees Six Thousand Eight Hundred Forty Eight Only	Each	34240
	100 Amp 30 ka MCCB 4 Pole ( Make L&T/Legrand/Schneider)	5	6848	Rupees Six Thousand Eight Hundred Forty Eight Only	Each	34240
3	Providing and fixing Enclosure (Size 1 for MCCBs suitable for 3 Pole & 4 Pole MCCBs etc. as required complete in all respect ( Make L&T/Legrand/Schneider)	11	2043	Rupees Two Thousand Forty Three Only	Each	22473

4	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:- ( Make L&T/Legrand/Schneider)	30 ✓	265 ✓	Rupees Two Hundred Sixty Five Only	Each	7950
	6 Amp Single pole. Cat-A.					
	16 Amp Single pole. Cat-A.	20 ✓	265 ✓	Rupees Two Hundred Sixty Five Only	Each	5300
5	Supplying and fixing TP&N bus-bar chamber suitable for 415 volts capacity with 4 Nos copper strip bus-bar each of length and x-section suitable for following current carrying capacity, enclosure made of sheet steel, dust protected duly powder painted with detachable gland plate and other accessories including drilling holes on the board making connections, earthing etc. as required.					
	400 Amp copper Bus-Bar Chamber 15"					
	( Make L&T/Legrand/Havells)					
		1 ✓	51863 ✓	Rupees Fifty One Thousand Eight Hundred Sixty Three Only	Each	51863
	<b>Total</b>					<b>258041</b>

*Detail Schedule of quantity checked and approved for ₹ 258041/-*

*Executive Engineer*  
Electrical Division  
HPPWD Palampur  
*[Signature]*