

HIMACHAL PRADESH  
PUBLIC WORKS DEPARTMENT

No.: PW/EDP/CB/TA/CONT/2023-24/- 2059-67

Dated: 17/6/2023

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 6&8 are hereby invited by the Executive Engineer, Electrical Division, HP PWD Palampur on behalf of the Governor of H.P. for the following work from the approved and eligible contractors enlisted in HP.PWD. (Elect ) whose registration stood renewed as per revised rules and also registered under the H.P. General Sales Tax Act 1968 so as to reach in his office on or before **11-07-2023** 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 **10-07-2023** up to 4.00 P.M. and the application for issue of tender form shall be received on **07-07-2023** 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	C/o Ayurvedic Health Sub- Center at Sansai Ground Floor)in Tehsil Baijnath Distt Kangra (H.P)(SH:- Providing E.I. therein).	165695/-	3400/-	Six Months	8	350/-
2	C/o Ayurvedic Health Center Building with residence at Tajwan in Tehsil Indora, Distt. Kangra (H.P)(SH:- Providing E.I. therein).	297908/-	6000/-	One Year	8	350/-
3	C/o Ayurvedic Health Sub-Center at Ghirtholi in Tehsil Baijnath Distt. Kangra (H.P) (SH:- Providing E.I. therein).	290168/-	5900/-	Six Months	8	350/-
4	Construction of Public Parking (Shopping Complex) in HPPWD Sub Division Holi in Distt. Chamba (H.P)(SH:- Providing E.I. therein).	290120/-	5800/-	Six Months	8	350/-
5	Replacement of Switchgear system into new one Set No. 4 & 5 at HPPWD Rest House Sihunta in Tehsil Bhattiyat Distt. Chamba (H P).	113744/-	2300/-	Six Months	8	350/-
6	Replacement of existing old and damaged Campus Lighting into new one in the HPPWD Rest House at Banikhet in Tehsil Dalhousie and Distt. Chamba (H.P).	257584/-	5200/-	Three Months	8	350/-
7	Replacement of Old Heating Points ,Light Points, Tube Fixture and Sub main Control into new one at HRTC Building Patti in Tehsil Bharmour Distt. Chamba (H.P)	108188/-	2200/-	Six Months	8	350/-
8	Construction of Mukhya Mantri Lok Bhawan at Chilbanglow in Tehsil & Distt. Chamba (H.P)(First Floor)(SH:-Providing E.I. therein).	327544/-	6600/-	One Year	8	350/-

9	C/O Ware House for Storage of Electronic Voting Machine EVMs and VVPATs at Chamba Distt Chamba (H.P)(SH:- Balance work of Fire Fighting System therein).	388698/-	7800/-	Three Months	8	350/-
10	Construction of Suvidha Kendra in SDM Office Complex at Chamba (H.P)(First Floor)(SH:- Providing E.I. therein).	317555/-	6400/-	Six Months	8	350/-
11	Construction of Suvidha Kendra in SDM Office Complex at Chamba (H.P) (Second Floor)(SH:- Providing E.I. therein).	156376/-	3200/-	Six Months	8	350/-
12	Replacement of Electrical Installation & switchgear system into new one in S P Office Chamba Rest Room & Toilet at Chamba in Tehsil & Distt Chamba (H P)	323981/-	6500/-	Six Months	8	350/-
13	Annual Repair and Maintenance of Electrical Installation to various Govt. Non-Residential Building under ESD Chamba in Distt. Chamba (H.P)(SH:- Annual Repair & Maintenance of A.C's 1.50/2.00 Tone capacity Window Type / Split type for the year 2023-24.) (w.e.f. 01-02-2023 to 31-01-2024).	183900/-	3700/-	One Year	8	350/-
14	Replacement of E.I. safety devices in Assistant Director office of Jercey Cattle Breeding Farm at Palampur in Tehsil Distt. Kangra (H.P)	265205/-	5400/-	One Month	8	350/-
15	R/M of EI to various Govt Non residential building in Distt. Kangra under Electrical Sub-Division HP PWD Dharamshala Distt Kangra (HP)	243820/-	4900/-	One Year	8	350/-
16	R/M of EI to various Govt Non residential building in Distt Kangra under Electrical Sub-Division HP PWD Dharamshala Distt Kangra (HP)	357335/-	7200/-	One Year	8	350/-
17	R/M of EI to various Govt Non residential building in Distt. Kangra under Electrical Sub-Division HP PWD Palampur Distt. Kangra (HP) w.e.f. 20-08-2023 to 19-06-2024.	263568/-	5300/-	304 Day	8	350/-
18	R/M of EI to various Govt. Non residential building in Distt. Kangra under Electrical Sub-Division HP PWD Palampur Distt. Kangra (HP).	215350/-	4400/-	One Year	8	350/-
19	Replacement of batteries for 30 KVA UPS in CTVA Lab, 2nd Floor of Super Specialty Block, Dr. RPGMC Kangra at Tanda	272066/-	5500/-	Six Months	8	350/-
20	Refilling of portable Fire Extinguishers of different capacity and types of New Makeshift Covid -19 Hospital, Autopsy Block, oxygen Plant, Burn Unit Building and Maharaja Sansar Chand Guest House of Dr RPGMC Kangra at Tanda	134914/-	2700/-	One Months	8	350/-
21	Replacement of smoke Detector, hooter and Refilling of Portable Fire Extinguishers to Auditorium Building at Dr. RPGMC Kangra at Tanda	283702/-	5700/-	Three Months	8	350/-
22	Repair, Servicing & comprehensive maintenance of cassette type air conditioning	468460/-	9400/-	One year	8	350/-

	units installed in Ground floor of Trauma Centre, Casualty block and Anatomy block, Lecture Theatres and Examination hall Dr. RPGMC Kangra at Tanda for the year 2023-24.					
23	Repair and comprehensive maintenance of Air-Conditioning & Heating System of Central Library building Dr. RPGMC Kangra at Tanda for the year 2023-24.	208883/-	4200/-	One year	8	350/-
24	Providing and fixing of split type air-conditioning unit in the skill centre room Ground floor Anatomy block Dr. RPGMC Kangra at Tanda	195522/-	4000/-	One Month	8	350/-

HIM SUCHNA AVAM JAN SAMPARK VIBHAG



## DRAFT SCHEDULE OF QUANTITY

NAME OF WORK :-C/O Ayurvedic Health Sub Centre (Ground Floor) at Sansai with Tehsil Bajinath Distt. Kangra (H.P.) (S.H:- Providing E.I. therein.)			Job No. <del>25</del>		ESTIMATED COST: Rs.1,65,695/-only. EARNEST MONEY: Rs. 3400/-only TIME ALLOWED: Six Months	
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.					
	Group C.	25	1823	Rupees One Thousand Eight Hundred Twenty Three Only	Per point.	45575
	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					
		1	1894	Rupees One Thousand Eight Hundred Ninety Four Only	Per point.	1894
	SCI/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.	25	473	Rupees Four Hundred Seventy Three Only	P/Mtr.	11825
	SCI/KEI/Plaza make					
4	Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 2 Nos 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	18	755	Rupees Seven Hundred Fifty Five Only	P/Mtr.	13590
	SCI/KEI/Plaza make					
5	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required					

	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	30	395	Rupees Three Hundred Ninety Five Only	P/Mtr.	11850
	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	2	793	Rupees Seven Hundred Ninety Three Only	P/Mtr.	1586
	<b>SCI/KEI/Plaza make</b>					
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. <b>Makes: L&amp;T/Legrand/Schneider/Anchor</b>	4	582	Rupees Five Hundred Eighty Two Only	Each.	2328
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. <b>Makes: L&amp;T/Legrand/Schneider/Anchor</b>	3	750	Rupees Seven Hundred Fifty Only	Each.	2250
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:- <b>Makes: Legrand/Schiender/Anchor.</b>					
	6 Amp Single pole. Cat-A.	3	262	Rupees Two Hundred Sixty Two Only	Each	786
	16 Amp Single pole. Cat-A.	3	262	Rupees Two Hundred Sixty Two Only	Each	786
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. <b>Makes: Legrand /Schiender/Anchor.</b>					
	40 Amps. Cat-A.	1	487	Rupees Four Hundred Eighty Seven Only	Each	487
10	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. <b>Makes: Legrand/Schiender/Anchor.</b>					
	40 Amps. Cat-A.	1	2716	Rupees Two Thousand Seven Hundred Sixteen Only	Each	2716

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)Makes: Legrand/Schiender/Anchor.						
	Double door-12 way	1	2309	Rupees Two Thousand Three Hundred Nine Only	Each	2309	
12	Earthing with copper earthing plate 600mmx600mmx3mm 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	9046	Rupees Nine Thousand Forty Six Only	Per set	9046	
13	Supplying and laying 8 SWG Copper wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	20	45	Rupees Forty Five Only	Per Mtr	900	
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	5	2869	Rupees Two Thousand Eight Hundred Sixty Nine Only	Each	14345	
	Makes :-Ceiling Fan 1200 mm sweep, Category-A usha Technix Plus 3 Star, Philips,Bajaj.						
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						
	LED Surface mounting round downlighter 15 watt	6	2312	Rupees Two Thousand Three Hundred Twelve Only	Each	13872	
	Makes :-Wipro / Philips/Trilux)						
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					
	(As per cat. /price list Make:- Usha /Bajaj/Crompton	1	2269	Rupees Two Thousand Two Hundred Sixty Nine Only	Each	2269
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.					
	LED Batten light 20 W	6	1427	Rupees One Thousand Four Hundred Twenty Seven Only	Each	8562
	Makes :- Wipro / Philips /Trilux					
18	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.	7	1736	Rupees One Thousand Seven Hundred Thirty Six Only	Each	12152
	Makes :- Wipro /Philips /Trilux					
19	Providing and installation of LED fixture 600mmx600mm 36 W +/- 1 W LED with Surface Mounted with PMMA diffuser with having minimum system luman system 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.	1	6567	Rupees Six Thousand Five Hundred Sixty Seven Only	Each	6567
	Makes :- Wipro / Philips/Trilux					
	Total					165695

*Draft Schedule of quantity checked and approved for ₹. 165695/-*

Executive Engineer  
Electrical Division  
HPPWD Palampur



## DRAFT SCHEDULE OF QUANTITY

**NAME OF WORK:-**C/O Ayurvedic Health Center Building with residence at Tajwan in Tehsil Indora, Distt. Kangra (H.P.) (Sh:- Pdg. EI in there in).

Job No. 2

**ESTIMATED COST :** Rs.2,97,908/-only.  
**EARNEST MONEY :** Rs.6000/-only  
**TIME ALLOWED :** One Year

Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. <b>Make: Plaza/KEI/Polycab/ Anchor (Roma Penta)/ Havells(Reo)/SSK/SCI</b>	23	1101.00	Rupees One Thousand One Hundred One Only	Per Point	25323
i)	<b>Group A.</b>	29	1712.00	Rupees One Thousand Seven Hundred Twelve Only	Per Point	49648
ii)	<b>Group C.</b>					
2	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, 2 way piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. <b>Make: Plaza/KEI/Polycab/ Anchor (Roma Penta)/ Havells(Reo)/SSK/SCI</b>	1	1735.00	Rupees One Thousand Seven Hundred Thirty Five Only	Per Point	1735
	<b>Twin Control</b>					
3	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). <b>Make: Plaza/KEI/Polycab/ Anchor (Roma Penta)/ Havells(Reo)/SSK/SCI</b>	14	290.00	Rupees Two Hundred Ninety Only	each	4060

4	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. <b>Make: Plaza/KEI/Polycab/Anchor (Roma Pental/Havells/Reo)/SSK/SCI</b>	10	485.00	Rupees Four Hundred Eighty Five Only	each	4850
5	Wiring 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. <b>Make: KEI/Plaza/Anchor/SCI.</b>	72	473.00	Rupees Four Hundred Seventy Three Only	Per Meter	34056
6	Wiring 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. <b>Make: KEI/Plaza/Anchor/SCI.</b>	35	755.00	Rupees Seven Hundred Fifty Five Only	Per Meter	26425
7	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required. <b>Make: KEI/Plaza/Anchor/SCI.</b>					
i)	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	95	335.00	Rupees Three Hundred Thirty Five Only	Per Meter	31825
ii)	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	5	793.00	Rupees Seven Hundred Ninety Three Only	Per Meter	3965
8	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. <b>Make: KEI/Plaza/Anchor/SCI.</b>					
i)	3 x 1.5 sq. mm	30	111.00	Rupees One Hundred Eleven Only	Per Meter	3330
9	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase. 230 volts complete as required. <b>Make:- Anchor/Goldmedal</b>	2	187.00	Rupees One Hundred Eighty Seven Only	each	374
10	Supplying and fixing PVC batten/angle holder including connection etc. as required. <b>Make:- Anchor/Goldmedal</b>	5	102.00	Rupees One Hundred Two Only	each	510
11	Providing and installation exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required.					

i)	Exhaust Fan, Light duty, (Domestic) 300 mm sweep (Make: Usha, Model: Aeroclean LD/Bajaj (Model: Freshlee)/Anchor (Model: Anmol)/Crompton(Model: Drift air Plus .	5	2269.00	Rupees Two Thousand Two Hundred Sixty Nine Only	Each	11345
12	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 with 3 rated star.					
i)	Ceiling Fan 1200 mm sweep (Make: Usha, Model: Technix Plus)/Bajaj(Model: Sabse Tezz Kassels)/Crompton(Model: WWHE).	9	2869.00	Rupees Two Thousand Eight Hundred Sixty Nine Only	Each	25821
13	Providing and installation of IP20 Led fixture 20 W+/- 1W with Surface Mounted 4 Feet Batten Fixture with system efficacy $\geq 100\text{lm/W}$ 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..					
i)	LED Batten 20W, 4 feet long (Make: Crompton, cat no.CCS-100-20-65-HL2-DP-NWH 20W LED P )/Bajaj/Panasonic.	16	761.00	Rupees Seven Hundred Sixty One Only	Each	12176
14	Providing and installation of LED fixture 1200mmX300mm 36 W+/- 1W Surface Mounted with PMMA diffuser with having minimum system lumen efficacy $\geq 100\text{lm/W}$ with CRCA Housing and PMMA Diffuser with P.F.>0.95,THD<10%. CCT 5700 K ,CRI 80.The LED shall be tested with LM80-08 standard with Useful life of 50000 Hrs at L70, with 5- years warranty. The Input voltage range shall be 150V to 270V, 50/60 HZ complete with all accessories, including connections, testing and commissioning etc.as required complete in all respects..					
i)	LED Panel Light 36 watt '1'x4' , (Make: Bajaj, Cat no. BZSSL36L LED WH 1W/ipro/Panasonic).	2	6746.00	Rupees Six Thousand Seven Hundred Forty Six Only	Each	13492

15	Providing and fixing of IP65 LED Bulk head 10 W+/- 1W with system efficacy $\geq 100\text{lm/W}$ with Aluminium housing P.F. > 0.95 with THD < 10%, CCT 5700 K, CRI 70, Surge Protection 4 Kv. The LED with Useful life of 50000 Hrs at L70 with 5- years warranty. The Input voltage range shall be 150V to 270V, 50/60 HZ complete with all accessories, including connections, testing and commissioning etc. as required complete in all respects.					
i)	Bulk Head Light LED 10 W ( Make:- Bajaj Cat no. BIBWP 10W LED)/Wipro/Panasonic.	7	1415.00	Rupees One Thousand Four Hundred Fifteen Only	Each	9905
16	Supplying and fixing of LED wall Bracket having luminous flux 150 lumens, colour temp. 3000K, should be compatible with specification i.e. Power factor > 0.9, Harmonic distortion < 10% and efficacy > 100 lumens per watt, CRI rating > 80, suitable for Input voltage AC 220-240V, 50/60 HZ complete with all accessories, including connections, testing and commissioning etc. as required complete in all respect. with 5 year warranty Make- Philips, Jaquar & Wipro.					
i)	LED Wall Bracket 9W (Make: Jaquar, cat no. JNL-CHR-WL RB0480SE27 )/ Philips/Wipro.	4	1763.00	Rupees One Thousand Seven Hundred Sixty Three Only	Each	7052
17	Supplying & fixing following type of Surface mounted luminaires, white power coated CRCA housing diffuser to avoid glare, it should be compatible with specification i.e. Power Factor > 0.9, Harmonic Distortion < 20% and efficacy > 100 Lumens per watt. CRI rating > 70 suitable for input voltage AC 220-240 V, 50 Hz, complete with all accessories, connections, testing and commissioning etc. as required. with 5 year warranty Make:- Crompton/Bajaj/Panasonic.					
i)	Mirror light 5 Watt, 2 Feet Long Surface Mounted (at par with Crompton Cat no. CCS-103-05-65-SL-DP-NWH)	1	389.00	Rupees Three Hundred Eighty Nine Only	each	389
18	Providing & fixing surface/ recess mounting LED luminaire of following rating with powder coated CRCA housing with high power LED's diffuser to avoid glare it should be compatible with specification i.e. Power factor > 0.9, harmonic distortion < 10% and efficacy $\geq 100$ Lumens per watt, CRI rating > 70 suitable for input voltage: AC 220-240 V, 50 Hz with all accessories, connections, testing and commissioning etc. as required. with 5 year warranty. Make:- Crompton, Bajaj, Jaquar.					



i)	LED Down Light 12W (Make:- Crompton Cat no. LCDSPLN-R-12-CDL) Bajaj/Jaquar.	2	1271.00	Rupees One Thousand Two Hundred Seventy One Only	Each	2542
19	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)	20	265.00	Rupees Two Hundred Sixty Five Only	Each	5300
20	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)	2	616.00	Rupees Six Hundred Sixteen Only	Each	1232
21	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)	2	3616.00	Rupees Three Thousand Six Hundred Sixteen Only	Each	7232
22	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/isolator)					
i)	Double door-12 way (Make:- Schneider/ Legrand/L&T)	1	2309.00	Rupees Two Thousand Three Hundred Nine Only	each	2309
ii)	Double door-16 way (Make:- Schneider/ Legrand/L&T)	1	2954.00	Rupees Two Thousand Nine Hundred Fifty Four Only	each	2954
23	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. (Make: Sidhant/BEC/PolyFit)					
i)	25 mm. dia	5	265.00	Rupees Two Hundred Sixty Five Only	Per Meter	1325

24	Supplying and fixing of following sizes of 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:- (Make: BEC Plast/Anchor/ PolyFit)					
	25 mm. dia	5	113.00	Rupees One Hundred Thirteen Only	Per Meter	565
25	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/coke and salt as required.	1	6188.00	Rupees Six Thousand One Hundred Eighty Eight Only	Set	6188
26	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for conductor earth electrode, including connection/termination with GI thimble etc. as required.	30	41.00	Rupees Forty One Only	Per Meter	1230
27	Providing and fixing LED Bulb 9 watts to 10 watt in the existing fixture as required complete in all respect.	5	150.00	Rupees One Hundred Fifty Only	each	750
	<b>Total</b>					<b>297908</b>

*Draft Schedule of quantity checked and approved for 297908 only*

Executive Engineer  
Electrical Division  
HPPWD Palampur

## DRAFT SCHEDULE OF QUANTITY

NAME OF WORK :- C/O Ayurvedic Health Sub Centre at Ghirtholi with residence Tehsil Baijnath Distt. Kangra (H.P.) (S.H.- Providing E.I. therein.)		job No 3		ESTIMATED COST: Rs.2,90,168/-only. EARNEST MONEY: Rs.5900/-only TIME ALLOWED: Six Months		
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. <b>Make :- SCI/KEI/Plaza</b>					
	Group B.	20	1459	Rupees One Thousand Four Hundred Fifty Nine Only	Per point.	29180
	Group C.	25	1824	Rupees One Thousand Eight Hundred Twenty Four Only	Per point.	45600
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. <b>Make :- SCI/KEI/Plaza</b>					
	Group C.	3	1894	Rupees One Thousand Eight Hundred Ninety Four Only	Per point.	5682
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.	40	473	Rupees Four Hundred Seventy Three Only	P/Mtr.	18920
4	<b>Make :- SCI/KEI/Plaza</b>	30	755	Rupees Seven Hundred Fifty Five Only	P/Mtr.	22650

5	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required <b>Make :- SCI/KEI/Plaza</b>					
	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire <b>Make :- SCI/KEI/Plaza</b>	35 ✓	395 ✓	Rupees Three Hundred Ninety Five Only	P/Mtr.	13825
	2 X 10 sq. mm + 1 X 6 sq. mm earth wire <b>Make :- SCI/KEI/Plaza</b>	5 ✓	793	Rupees Seven Hundred Ninety Three Only	P/Mtr.	3965
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. <b>Make :- L&amp;T/Schenider/Legrand</b>	8 ✓	582 ✓	Rupees Five Hundred Eighty Two Only	Each.	4656
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. <b>Make :- L&amp;T/Schenider/Legrand</b>	11 ✓	750 ✓	Rupees Seven Hundred Fifty Only	Each.	8250
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:- <b>Make :- L&amp;T/Schenider/Legrand</b>					
	6 Amp Single pole. Cat-A.	7 ✓	265 ✓	Rupees Two Hundred Sixty Five Only	Each	1855
	16 Amp Single pole. Cat-A.	11 ✓	265 ✓	Rupees Two Hundred Sixty Five Only	Each	2915
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. <b>Make :- L&amp;T/Schenider/Legrand</b>					
	63 Amps. Cat-A.	2 ✓	616 ✓	Rupees Six Hundred Sixteen Only	Each	1232



10	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
	63 Amps. Cat-A. Make :- L&T/Schneider/Legrand	2	3616	Rupees Three Thousand Six Hundred Sixteen Only	Each	7232	
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/Schneider/Legrand						
	Double door-12 way	2	2309	Rupees Two Thousand Three Hundred Nine Only	Each	4618	
12	Earthing with GI earth 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.	2	9046	Rupees Nine Thousand Forty Six Only	P/Set	18092	
13	Supplying and laying 6 SWG GI wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	30	45	Rupees Forty Five Only	P/Mtr.	1350	
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	6	3191	Rupees Three Thousand One Hundred Ninety One Only	Each	19146	
	Makes :-Ceiling Fan 1200 mm sweep, Category-A usha Technix Plus 3 Star, Philips, Bajaj						

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						
	LED Surface mounting round downlighter 15 watt	14	2312	Rupees Two Thousand Three Hundred Twelve Only	Each	32368	
	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	4	2269	Rupees Two Thousand Two Hundred Sixty Nine Only	Each	9076	
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.						
	LED Batten light 20 W	10	1427	Rupees One Thousand Four Hundred Twenty Seven Only	Each	14270	
	Makes :-Wipro (Cat. No. LL20-281-XXX-AL1) Philips/Bajaj						
18	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.	7	1736	Rupees One Thousand Seven Hundred Thirty Six Only	Each	12152	
	Makes :-Wipro ( Cat. No.:-LW07-141-XXX-57-G1) Philips/Bajaj						

19	Providing and installation of LED fixture 1200mmx300mm 36 W +/- 1 W LED with Surface Mounted with PMMA diffuser with having minimum system luman system 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. Wipro Cat. no CRCO10SO38HP57G1L1 /Trilux/Philips	2	6567	Rupees Six Thousand Five Hundred Sixty Seven Only	Each	13134
	Makes :- Wipro Cat. no CRCO10SO38HP57G1L1 /Bajaj/Philips					
	Total					290168

*Detail Schedule of quantity checked and prices for  
2290168-01 m*

Executive Engineer  
Electrical Division  
HPPWD Palampur

## SCHEDULE OF QUANTITY

**NAME OF WORK:** Construction of Public Parking (Shopping Complex ) in  
**HPPWD Sub Division Hol** In District Chamba (H.P) (S.H.-Providing E.I. therein).

**Job No.** 4

**ESTIMATED COST:** Rs.2,90,120/-only.  
**EARNEST MONEY:** Rs.5800/-only  
**TIME ALLOWED:** One Months

Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
			RATE			
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.					
	<b>Make:- Legrand (Myrius)/ Schneider(Livia)/Anchor Roma (Plus)</b>					
	Group C.					
	Wiring for twin control light point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with 2-way, 5/6 amps. modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.	28	1715	Rupees One Thousand Seven Hundred Fifteen Only	Per point	48020
	<b>Make:- Legrand (Myrius)/ Schneider(Livia)/Anchor Roma (Classic)</b>					
	Group C.					
		2	1782	Rupees One Thousand Seven Hundred Eighty Two Only	Per point	3564
2	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required. <b>Make: Plaza/ KEI/ Polycab.</b>					
	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	60	371	Rupees Three Hundred Seventy One Only	Per metre	22260



	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	64	443	Rupees Four Hundred Forty Three Only	Per metre	28352
	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	65	618	Rupees Six Hundred Eighteen Only	Per metre	40170
3	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required. Make: Plaza/ KEI/ Polycab.					
i	3x2.5 Sq. mm.					
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..Make:- Legrand (Myrius)/ Schneider(Livia)/Anchor Roma (Classic)	10	161	Rupees One Hundred Sixty One Only	Per metre	1610
		16	547	Rupees Five Hundred Forty Seven Only	Each	8752
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..Make:- Legrand (Myrius)/Schneider(Livia) /Anchor Roma (Classic)	8	706	Rupees Seven Hundred Six Only	Each	5648
6	Providing and fixing decorative extruded tube fixture having high quality design suitable for LED tube up to 20Watt (2000 lumen) 6500K and it should be compatible with specifications i.e. power factor $\geq 0.9$ , harmonic distortion $\leq 10\%$ and efficacy $\geq 100$ lumens per watt, CRI $> 80$ , suitable for input voltage AC 220-240V, 50/60 Hz, including one no. tube rod 20 Watt complete with all accessories, connections, testing and commissioning etc. as required.					
	Make:-Bajaj/Panasonic/Wipro.					
i	LED Tube Fixture 20Watt					
		2	982	Rupees Nine Hundred Eighty Two Only	Each	1964
	Cat No: BCLAB 20W LED P					
7	Providing and installation of following type of surface mounting round type LED panel Light with aluminium die cast housing in white finish with anti glare polycarbonate diffuser and seprated energy efficient constant current, nonintegral, electronic driver, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing etc. as required. Make: Jaquar,Panasonic,Wipro or any other approved by Engineer-in-charge.					
	Make:-Bajaj/Panasonic/ Wipro					

	LED 12 Watt Round	10	786	Rupees Seven Hundred Eighty Six Only	Each	7860
	Cat No: PPAM16127R1					
	LED 18 Watt Round	16	1048	Rupees One Thousand Forty Eight Only	Each	16768
	Cat No: PPAM16187R1					
8	Providing and erection of LED 45 watt Street light luminaires powder coated pressure die-cast aluminium SMake:-Jaquar/Panasonic/ Wipro/LED Street light with heat resistant toughened glass including connections, testing and commissioning etc. as required complete in all respects. Make:-Bajaj/Panasonic/ Wipro					
	LED Street Light, 45 Watt	2	6183.00	Rupees Six Thousand One Hundred Eighty Three Only	each	12366
i	Cat No: PSTM27458					
9	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:- Make: Anchor, Legrand, Schneider.					
ii	Double door-6 way	8	1633	Rupees One Thousand Six Hundred Thirty Three Only	Each	13064
10	Supplying and fixing 6 amps to 32 amps rating, 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make: Anchor, Legrand, Schneider.	16	249	Rupees Two Hundred Forty Nine Only	Each	3984
11	Supplying and fixing 25 Amps. rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required:- Cat-A. Make: Anchor, Legrand, Schneider.	8	2513	Rupees Two Thousand Five Hundred Thirteen Only	Each	20104
12	Supplying and fixing 40 Amps. rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required : Cat-A. Make: Anchor, Legrand, Schneider.	8	459	Rupees Four Hundred Fifty Nine Only	Each	3672

13	Supplying and fixing 63 Amps. rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. (Make:- Anchor/Legrand/Schneider)	2	580	Rupees Five Hundred Eighty Only	Each	1160
14	Supplying and fixing sheet metal bus-bar chamber suitable for 63 Amp. 415 volts capacity with 4 No. copper strip bus-bars each of length 450mm & cross-sectional area (16mmx3.17mm), enclosure made from 1.6 mm thick M.S. sheet having overall dimensions (530mmx350mmx150mm) nominal with all accessories including connections, earthing the body etc. as required:-Bharat,Goldmedel	2	3544	Rupees Three Thousand Five Hundred Forty Four Only	Each	7088
15	Earthing with copper earth plate 600 mmx600 mmx 3 mm thick, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. ( but without charcoal or coke and salt ) complete as required.	2	17632	Rupees Seventeen Thousand Six Hundred Thirty Two Only	Set	35264
17	Supplying and laying 8 SWG Copper wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	50	169	Rupees One Hundred Sixty Nine Only	Per metre	8450
Total						290120

*Draft Schedule of Quantity of electrical equipment & 21/10/2017*

Executive Engineer  
Electrical Division  
HP PWD Palampur

## DRAFT SCHEDULE OF QUANTITY

NAME OF WORK:- Replacement of Switchgear system into new one Set No.4 & 5 at HPPWD Rest House Sihunta in Tehsil Bhattiyat Distt. Chamba (H.P.)			Job No. <b>5</b>		ESTIMATED COST: Rs.1,13,744/-only. EARNEST MONEY: Rs.2300/-only TIME ALLOWED: Six Months	
Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Wiring for light point / fan point / exhaust fan / 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.					
	Make:- Legrand (Myrius)/ Schneider(Livia) /Anchor Roma (Plus)/SCI					
	Group C.	19	1823	Rupees One Thousand Eight Hundred Twenty Three Only	Per point	34637
2	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HFRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required.Make:- KEI/Anchor/ Piazza/SCI					
i	2x2.5 Sq. mm.	20	395	Rupees Three Hundred Ninety Five Only	Per metre	7900
ii	2x4.0 Sq. mm.	44	471	Rupees Four Hundred Seventy One Only	Per metre	20724
iii	2x6.0 Sq. mm.	5	657	Rupees Six Hundred Fifty Seven Only	Per metre	3285
3	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HFRF) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required.Make:- KEI/Anchor/ Piazza/SCI					
	PVC insulated HRFRLS Copper conductor 1.5 Sq. mm.					
i	3x2.5 Sq. mm.	8	171	Rupees One Hundred Seventy One Only	Per metre	1368



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. <b>Make:- Legrand (Myrius)/ Schneider(Livia)/Anchor Roma (Plus)</b>	6	582	Rupees Five Hundred Eighty Two Only	Each	3492
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. <b>Make:- Legrand (Myrius)/ Schneider(Livia)/Anchor Roma (Plus)</b>	2	750	Rupees Seven Hundred Fifty Only	Each	1500
6	Supplying and fixing call bell / buzzer, suitable for D.C./A.C. single phase, 230 volts complete as required. <b>Make:- Anchor/SSK/GoldMedal</b>	2	187	Rupees One Hundred Eighty Seven Only	Each	374
7	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. <b>Make:- Usha/Bajaj/Crompton</b>					
1	<b>Exhaust Fan, Light duty, (Domestic) 300 mm sweep</b>	2	2269	Rupees Two Thousand Two Hundred Sixty Nine Only	Each	4538
	Providing installation, Testing and commissioning of Ceiling Fan with step electronic fan regulator, paino type, including wiring the down rod of standard length (up to 30 Cm) with 16/0.20 mm twin twisted flexible, cotton braided cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required.					
	<b>1200 mm sweep Make:- Usha (Technix Plus 3 Star) / (Bajaj (Ultima) (minimum 3-star rating).</b>	2	3191	Rupees Three Thousand One Hundred Ninety One Only	Each	6382
8	Providing and fixing decorative extruded tube fixture having high quality design suitable for LED tube up to 20Watt (2000 lumen) 6500K and it should be compatible with specifications i.e. power factor $\geq 0.9$ , harmonic distortion $\leq 10\%$ and efficacy $\geq 100$ lumens per watt, CRI $> 80$ , suitable for input voltage AC 220-240V, 50/60 Hz, including one no. tube rod 20 Watt complete with all accessories, connections, testing and commissioning etc. as required. with 5 year warranty <b>Make- Bajaj, Panasonic, Wipro</b>					
1	<b>LED Tube Fixture 20Watt</b>	2	975	Rupees Nine Hundred Seventy Five Only	Each	1950
	<b>Cat No: BCLAB 20W LED P</b>					

9	Providing and fixing LED Bulk head of following rating with pressure die casting aluminium housing and it should be compatible with specification i.e. Power Factor $\geq 0.9$ , Harmonic Distortion $< 20\%$ and efficacy $\geq 100$ Lumens per watt, CRI rating $> 70$ suitable for input voltage: 220-240 V, 50 Hz, complete with all accessories, connections, testing and commissioning etc. as required with 5 year warranty Make- Bajaj, Panasonic, Wipro					
	LED Bulk head 10Watt Cat No: BIBWP 10W LED	5	1322	Rupees One Thousand Three Hundred Twenty Two Only	Each	6610
10	plying & fixing following type of Surface mounted luminaires, white power coated CRCA housing diffuser to avoid glare, it should be compatible with specification i.e. Power Factor $> 0.9$ , Harmonic Distortion $< 20\%$ and efficacy $> 100$ Lumens per watt, CRI rating $> 70$ suitable for input voltage: AC 220-240 V, 50 Hz, complete with all accessories, connections, testing and commissioning etc. as required with 5 year warranty Make- Bajaj, Panasonic, Wipro					
11	Mirror light LED 10Watt Cat No: LL20-111-111-XXX-65NE3	2	532	Rupees Five Hundred Thirty Two Only	Each	1064
11	Supplying and fixing of fancy wall bracket suitable for input voltage: AC 220-240V, 50/60Hz, complete with all accessories, lamp holder, but excluding lamp including making connections, testing etc. as required: of Approved with 5 year warranty. Make:- Jaquar/Philips/Bajaj					
	Fancy Wall Bracket Cat. No. JNL-CHR-WL RB0480SE27	4	1645	Rupees One Thousand Six Hundred Forty Five Only	Each	6580
12	Supplying & fixing suitable size GI box with modular plate and cover in front on surface or in recess i/c providing and fixing 25 amp modular socket outlet and 25 Amps modular SP MCB, "C" curve including connection, painting etc. as required:- Make:- Legrand (Myrius) Schneider (Livio)/Anchor Roma (Plus)	2	775	Rupees Seven Hundred Seventy Five Only	Each	1550
13	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:- Make:- L&T, Legrand, Schneider.					

1	Double door-8 way	2	1897	Rupees One Thousand Eight Hundred Ninety Seven Only	Each	3794
14	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of Single pole in the existing MCB DB complete with connections etc. as required:- Make: L&T, Legrand, Schneider.	6	265	Rupees Two Hundred Sixty Five Only	Each	1590
15	Supplying and fixing 40 Amps. rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. (Make:- L&T/ Legrand/ Schneider)	2	2715	Rupees Two Thousand Seven Hundred Fifteen Only	Each	5430
16	Supplying and fixing 40Amps. rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. (Make:- L&T/Legrand/ Schneider)	2	488	Rupees Four Hundred Eighty Eight Only	Each	976
	Total					113744

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approved for 113744/2  
Executive Engineer

~~Executive Engineer~~  
Electrical Division  
HPPWD Palampur

## DRAFT SCHEDULE OF QUANTITY

**NAME OF WORK:-**Replacement of existing old and damaged Campus Lighting into new one in the HPPWD Rest House at Bankhet in Tehsil Dalhousie and District Chamba (H.P.).

**Job No.** 6

**ESTIMATED COST:** Rs.2,57,584/-only.  
**EARNEST MONEY:** Rs.5200/-only  
**TIME ALLOWED:** Three Months

Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying and fixing of ruby Small LED Post Top fixture of following capacity are made of Die cast alum. housing with three nos. die cast aluminium arms are provided to support the housing Power LED's are mounted on metal clad PCB's and LED's & PCB assembly are mounted extruded aluminium Heat Sinks. A UV stabilized PC diffuser is provided as complete in all respects as required:-					
i	<b>RUBY Small-40W LED</b>  <b>Makes: Twinkle LuxMax/K-Lite/Bajaj</b>	6	15012	Rupees Fifteen Thousand Twelve Only	Each	90072
2	Supplying and erection of Steel Ribbed Poles- are combination of Galvanised Ribbed steel tubes having 105mm dia at bottom and 81mm dia at Top with cast alum. Embellishments-Q1. The Poles are primer coated and painted with Polyurethane paint. Poles are suitable for Single/Double/Triple/Four Side Post Top / Drop Down Luminaires. The Poles has a service window at the bottom comprising four way 25Amp connector terminal and a MCB. Poles has a mild steel base plate having four numbers mounting holes and can be mounted with four numbers anchor bolts complete in all respects as required:-					
i	<b>3 Mtr. - LuxMax-Steel Ribbed Pole - 105 -81 with EMB-Q1</b>  <b>Makes: Twinkle LuxMax/K-Lite/Bajaj</b>	6	22849	Rupees Twenty Two Thousand Eight Hundred Forty Nine Only	Each	137094
3	Providing & Laying of one number aluminium conductor, PVC insulated and PVC sheathed armoured/ XLPE power cable, 1.1 KV grade of following sizes direct in ground including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering Make:- KEI/Anchor/Plaza/SCI					
i	<b>Armoured cable 6sq. mm (twin core)</b>	50	478	Rupees Four Hundred Seventy Eight Only	R Mtr.	23900



4	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required. Make:- KEI/Anchor/Plaza/SCI						
	PVC insulated HRFR LS Copper conductor 1.5 Sq. mm.						
i	3x1.5 Sq. mm.	20	111	Rupees One Hundred Eleven Only	Meter	2220	
5	Supplying and fixing modular 6 way bell indicator with buzzer, name plate including the cost of surface plastic gang box and cover plates with mounting frames suitable to operate on 230 volts A.C supply complete with all accessories, connection, testing and commissioning etc. as required complete in all respect.	2	2149	Rupees Two Thousand One Hundred Forty Nine Only	Each	4298	
	Makes:- Gold Medal(Cat No. 106567)/Bajaj/SSK						
	Total					257584	

*Def't Schedule of quantity checked and approved for ₹ 257584/-*

*[Signature]*  
Executive Engineer  
Electrical Division  
HPPWD Palampur

## SCHEDULE OF QUANTITY

SCHEDULE OF QUANTITY						
NAME OF WORK :- Replacement of Old Heating Points,Light Points,Tube Fixture and Sub main Control into new one at HRTC Building Patti In Tehsil Bharmour Distt. Chamba (H.P)			job No <del>104</del> 7		ESTIMATED COST: Rs 1,08,188/-only. EARNEST MONEY: Rs.2200/-only TIME ALLOWED:Six Months	
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Wiring for circuits/sub-main with following size PVC insulated heat resistant flame retardant (HRRFR) 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>Make:- KEI/Anchor/Plaza/SCI</b>					
i	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	82.5	471	Rupees Four Hundred Seventy One Only	Per metre	38856
2	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRRFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required. <b>Make:KEI/Plaza/Anchor/SCI</b>					
i	3x1.5 Sq. mm.	35	111	Rupees One Hundred Eleven Only	Per mtr.	3885
ii	3x10 Sq. mm.	24	618	Rupees Six Hundred Eighteen Only	Per mtr.	14832
3	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. <b>Make: Anchor (Panta)/ SSK(Touch)or any other as approved by Engineer-in-Charge.</b>	5	290	Rupees Two Hundred Ninety Only	Each	1450
4	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 FRLSont including providing and fixing 6 pin 5/6 & 15/16 amps socket outlet and 15/16 amps piano type switch, connection, painting etc. as required. <b>Make: Anchor (Panta)/ SSK(Touch)or any other as approved by Engineer-in-Charge.</b>	10	485	Rupees Four Hundred Eighty Five Only	Each	4850

5	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required:-	1	194	Rupees One Hundred Ninety Four Only	Each	194
6	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:- <b>Make:-Usha/Bajaj/Anchor</b>					
i	Exhaust Fan, Light duty, (Domestic) 300 mm sweep	2	2269	Rupees Two Thousand Two Hundred Sixty Nine Only	Each	4538
7	Supplying and fixing surface mounting following size LED solution suitable for surface application with the use of the latest technology 6/12/18 Watt (600/1200/1800 lumen) 6500K and it should be compatible with specifications i.e. power factor $\geq 0.9$ , harmonic distortion $\leq 10\%$ and efficacy $\geq 100$ lumens per watt, CRI $> 80$ , suitable for input voltage AC 220-240V, 50/60 Hz complete with all accessories, connections, testing and commissioning etc. as required. <b>Make:-Bajaj/Panasonic/ Wipro</b>					
i	LED 12 Watt Square	6	836	Rupees Eight Hundred Thirty Six Only	Each	5016
	Cat No: PPAM17127R1					
8	Providing and fixing decorative extruded tube fixture having high quality design suitable for LED tube up to 20Watt (2000 lumen) 6500K and it should be compatible with specifications i.e. power factor $\geq 0.9$ , harmonic distortion $\leq 10\%$ and efficacy $\geq 100$ lumens per watt, CRI $> 80$ , suitable for input voltage AC 220-240V, 50/60 Hz, including one no. tube rod 20 Watt complete with all accessories, connections, testing and commissioning etc. as required. <b>Make:-Bajaj/Panasonic/Wipro.</b>					
i	LED Tube Fixture 20Watt	6	1190	Rupees One Thousand One Hundred Ninety Only	Each	7140
	Cat No: BCLAB 20W LED P					
9	Supplying and fixing bakelite batten/angle holder including connections etc. as required:-	12	98	Rupees Ninety Eight Only	Each	1176
10	Supplying and fixing LED retrofit lamp suitable for B-22 holder base fittings with polycarbonate diffuser and aluminium heat sink as required complete in all respects.					

	9 Watt LED, B-22	12	199	Rupees One Hundred Ninety Nine Only	Each	2388
	Makes:- Tisva (Cat.No.AL916611R 9W/ B22) /Panasonic / Osram.					
11	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:- (Make:- Anchor/ Legrand/ Schneider)					
i	Double door-12 way	3	2309	Rupees Two Thousand Three Hundred Nine Only	Each	6927
12	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of Single pole in the existing MCB DB complete with connections etc. as required:- Cat-A. (Make:- Anchor/ Legrand/ Schneider)	16	265	Rupees Two Hundred Sixty Five Only	Each	4240
13	Supplying and fixing 63 Amps. rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. (Make:- Anchor/ Legrand/ Schneider)	3	3616	Rupees Three Thousand Six Hundred Sixteen Only	Each	10848
14	Supplying and fixing 63 Amps. rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. (Make:- Anchor/Legrand/Schneider)	3	616	Rupees Six Hundred Sixteen Only	Each	1848
	Total					108188

*Work Schedule of quantity checked and approved for 10/8/2017*

Executive Engineer  
Electrical Division  
HPPWD Palampur



## DRAFT SCHEDULE OF QUANTITY

NAME OF WORK:-Construction of Mukhya Mantri Lok Bhawan at Chilbanglow in Tehsil & Distt. Chamba H.P.(First Floor) Sub-Head:- Providing E.I therein).		Job No. 8		ESTIMATED COST: Rs.3,27,544-Only. EARNEST MONEY: Rs.6600/-only TIME ALLOWED: One Year		
Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq mm 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 Make : KEI/Plaza/SCI					
1.1	Group C	41	1823.00	Rupees One Thousand Eight Hundred Twenty Three Only	Point	74743
2	Wiring or twin control light point with 15 sqmm FRLS PVC insulated copper conductorsingle core cable in surface/recessed steel conduit, 2way 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 Make : KEI/Plaza/SCI					
2.1	Group C	1	1894.00	Rupees One Thousand Eight Hundred Ninety Four Only	Point	1894
3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. Make : KEI/Plaza/SCI					
3.1	2 X 2.5 sq. mm	60	395.00	Rupees Three Hundred Ninety Five Only	P/Mtr	23700
3.2	2x4.0 Sq. mm.	50	471.00	Rupees Four Hundred Seventy One Only	P/Mtr	23550

3.3	2x6 Sq. mm.	4	657.00	Rupees Six Hundred Fifty Seven Only	P/Mtr	2628
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/SCI					
4.1	4x4.0 Sq. mm.	20	771.00	Rupees Seven Hundred Seventy One Only	P/Mtr	15420
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. Make : KEI/Plaza/SCI					
5.1	3x2.5 Sq. mm.	35	171.00	Rupees One Hundred Seventy One Only	P/Mtr	5985
6	Supplying and fixing following size/ modules. GI box alongwith modular base & cover plate for modular switches in recess etc as required. Makes:- L&T/Legrand/Schneider					
6.1	3 module - Modular GI box with Modular base & cover plate	5	582.00	Rupees Five Hundred Eighty Two Only	Each	2910
7	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess. including providing and fixing 3 Nos. 3 pin 5/6 Amps modular Socket outlet and 3 Nos. 5/6 Amps modular switches. connection etc. as required. For light plugs to be used in non residential building) Makes:- L&T/Legrand/Schneider					
7.1	Modular GI box for 12 module	1	1366.00	Rupees One Thousand Three Hundred Sixty Six Only	Each	1366
8	Providing and installation exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections testing and commissioning etc. as required. Make:- Crompton/Usha/Bajaj					
8.1	Exhaust Fan, Light duty, (Domestic) 300 mm sweep	9	2269	Rupees Two Thousand Two Hundred Sixty Nine Only	Each	20421

9	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 3 rated star. Make:- Crompton/Usha/Bajaj					
9.1	Ceiling Fan 1200 mm sweep	9	3191	Rupees Three Thousand One Hundred Ninety One Only	Each	28719
10	Providing and fixing decorative extruded tube fixture having high quality design suitable for LED tube up to 20Watt (2000 lumen) 6500K and it should be compatible with specifications i.e. power factor $\geq 0.9$ , harmonic distortion $\leq 10\%$ and efficacy $\geq 100$ lumens per watt, CRI $> 80$ , suitable for input voltage AC 220-240V, 50/60 Hz, including one no. tube rod 20 Watt complete with all accessories, connections, testing and commissioning etc. as required:with 5 year warranty Make:- Wipro/Panasonic/Bajaj.					
10.1	LED Tube Fixture 20Watt	6	975	Rupees Nine Hundred Seventy Five Only	Each	5850
11	Providing and Fixing of 1200 mm X fixture 300 mm LED fixture 36 W +/- 1W Surface mounted with HET Plastic diffuser with CRCA Powder Coated housing having minimum system lumen efficacy 1001lm/W wit at L70 with five years warranty. The LEDs used in the luminaire shall have CCT of 5700 Kwith CRI of minimum 80. The Input voltage range shall be 150Vto 270V, 50/60 HZ complete with all accessories, including connections, testing and commissioning etc as required complete in all respects.					
11.1	LED Panel 4'x1' 36 watt Makes: Philips Wipro/Bajaj	12	7568	Rupees Seven Thousand Five Hundred Sixty Eight Only	Each	90916

12	Providing and fixing of IP65 system Bulkhead led fixture 10 W +/- 1 W Wall Mounted with minimum lumen efficacy of 100 lm/W with Pressure Die Cast Aluminum housing, Polycarbonate Opal Diffuser and P.F. >0.95 with THD <10%, CRI 80. The LED shall be tested with LM80-08 standard with Useful life of 50000 Hrs at L70 with five years warranty. The LEDs used in the luminaire shall have CCT of ANSI Bin 5700 K only with CRI of minimum 80. The Input voltage range shall be 140V to 280V, 50/60 HZ complete with all accessories, including connections, testing and commissioning etc. as required complete in all respects 5 year warranty Make:- Wipro/Panasonic/Bajaj.					
12.1	LED Bulk Head Light 10W					
13	Providing and erection of LED 45 Watt street light luminaries, powder coated pressure die-cast aluminium SMDLED street light with heat resistant toughened glass including glass including connections, testing and commissioning etc. as required. 5 year warranty Make:- Wipro/Panasonic/Bajaj.	4	1736	Rupees One Thousand Seven Hundred Thirty Six Only	Each	6944
13.1	Street Light LED-45 watt.					
14	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, interconnections, powder painted, including earthing etc. as required.-(But without MCB/RCCB/Isolator). Makes:- L&T/Legrand/Schneider	2	6167	Rupees Six Thousand One Hundred Sixty Seven Only	Each	12334
14.1	Double door-4 way	1	1572	Rupees One Thousand Five Hundred Seventy Two Only	Each	1572
14.2	Double door-12 way	1	2309	Rupees Two Thousand Three Hundred Nine Only	Each	2309
15	Supplying and erection 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 miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections testing and commissioning etc. as required:-. Makes:- L&T/Legrand/Schneider					



15.1	Single pole.	12	265	Rupees Two Hundred Sixty Five Only	Each	3180
16	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. Makes:- L&T/Legrand/Schneider					
16.1	40 Amps.	1	488	Rupees Four Hundred Eighty Eight Only	Each	488
17	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 miliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required. Makes:- L&T/Legrand/Schneider					
17.1	40 Amps.	1	2715	Rupees Two Thousand Seven Hundred Fifteen Only	Each	2715.
	Total					327544

*Self Schedule of quantity checked and approved for ₹ 327544/-*

Executive Engineer  
Electrical Division  
HPPWD Palampur

*us*

## DRAFT SCHEDULE OF QUANTITY

**NAME OF WORK :-** C/O Warehouse of Electronic Voting Machine (EVM) and VVPATs at Chamba Distt. Chamba .(HP).(SH:- Balance work of Fire Fighting system therein).

**job No** ~~15~~ 9

**ESTIMATED COST:** Rs.3,88,698/-only.  
**EARNEST MONEY:** Rs.7800/-only  
**TIME ALLOWED:** Three Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1.00	Providing, laying, jointing and testing in following sizes of MS Class 'C' (heavy class) pipes Conforming to IS: 1239/3589 with accessories like fittings including tees, elbows, reducers, flanges gaskets, G.I. nus, blots complete with all accessories as required. <b>Make :- Jindal/Tata/Surya Tube.</b>					
1.01	80 mm dia	80	1750.00	Rupees One Thousand Seven Hundred Fifty Only	P/RM	140000
2.00	Providing Cast iron /steel Foot Valve Confirming to type P.N 1.6 of I.S 13095-1991 Complete with Flanges bolt ,nuts ,gasket etc. As per table 'E' specification complete in all respect hydraulically test to 20 K./sqcm. <b>Make SANT,ZOLOTO,LEADER</b>					
2.01	150 mm	1	17148	Rupees Seventeen Thousand One Hundred Forty Eight Only	Each	17148
3.00	Providing, fixing of 63 mm dia, 15 mtr long non-percolating flexible hose (RRL- type A) as per IS : 636, Type A with Gunmetal male & female instantaneous type coupling (IS 903). <b>Make:- Minimax /SEASE/Tyco</b>	14	11287.00	Rupees Eleven Thousand Two Hundred Eighty Seven Only	Each	158018
4.00	Providing and fixing angle sport for MS ring line Pipe For Bountry wall. size 32x5mm	80	150	Rupees One Hundred Fifty Only	Each	12000
5.00	Supply, installation, testing & commissioning of : Gun metal ISI marked odlique pattern hydrant landing valve with 80 mm dia flanged inlet and 63 mm dia instantaneous type female outlet complete with gunmetal cap and G.I. chain, twist release type plug and all accessories as per IS: 5290-1983 (Type 'A'). <b>Make:- Minimax /SEASE/Tyco</b>	2	18440.00	Rupees Eighteen Thousand Four Hundred Forty Only	Each	36880

6.00	Providing & fixing 63 mm dia Gun metal Branch pipe with Gun metal with 20 mm (nominal internal dia) Size Gun metal Nozzle with standard inlet instantaneous lack type 63 mm dia Coupling Branch Pipe & Nozzle shall Confirm I.S 903..Make:- Minimax /SEASE/Tyco	2	5569.00	Rupees Five Thousand Five Hundred Sixty Nine Only	Each	11138
7.00	Providing & fixing fibre glass reinforced Fire Hose Cabinet ( 30"x24"x10") out door type, made out of sheet having glazed door with 6mm thick clear Glass including necessary Locking arrangement with allen Key, powder coating with Post Office Red Paint and for Hoseing 2 Nos .RRL Hose Pipe, 1 No Branch pipe including grounding and suitable inscribing the words" Hose Cabinet" on the Box complete as required. .Make:- Minimax /SEASE/Tyco	2	6757.00	Rupees Six Thousand Seven Hundred Fifty Seven Only	Each	13514
TOTAL						388698

*Draft Estimate of Quantity checked and approved for 388698/-*

Executive Engineer  
Electrical Division  
HPPWD Palampur

## DRAFT SCHEDULE OF QUANTITY

NAME OF WORK :- Construction of Suvridha Kendra in SDM office Complex at Chamba(H.P) (First Floor)(SH:- Providing E.I. therein).		job No 10		ESTIMATED COST: Rs.3,17,555/-only. EARNEST MONEY: Rs.6400/-only TIME ALLOWED: Six Months		
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1.00	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface /recessed 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 modular switch, modular plate and G.I. box)					
1.10	Group C  Make : KEI/Plaza/Anchor/SCI	32	1824.00	Rupees One Thousand Eight Hundred Twenty Four Only	P/Point	58368
2.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.					
2.10	2 X 2.5 sq. mm	40	395.00	Rupees Three Hundred Ninety Five Only	P/Mtrs.	15800
2.20	2x4.0 Sq. mm.	90	473.00	Rupees Four Hundred Seventy Three Only	P/Mtrs.	42570
2.30	2x10 Sq. mm.  Make : KEI/Plaza/BEC/SCI	10	793.00	Rupees Seven Hundred Ninety Three Only	P/Mtrs.	7930
3.00	Wiring for circuit / sub-main 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. (4X4+2X4)HRFRLS/PVC insulated single core copper conductor cable for earthing as required.	26	755.00	Rupees Seven Hundred Fifty Five Only	P/Mtr	19630



4.00	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/recessed steel/ PVC conduit as required.						
4.10	3x2.5 Sq. mm. <b>Make : KEI/Plaza/Anchor/Sci</b>	15	171.00	Rupees One Hundred Seventy One Only	P/Mtrs.	2565	
5.00	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.						
5.10	1 or 2 module - Modular GI box with Modular base & cover plate. <b>Make:-Anchor (Roma plus) /L&amp;T/Legrand/Schenider</b>	8	279.00	Rupees Two Hundred Seventy Nine Only	Each	2232	
6.00	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 Nos. 3 pin 5/6 Amps modular Socket outlet and 3 Nos. 5/6 Amps modular switches, connection etc. as required. For light plugs to be used in non residential building).						
6.10	Modular G.I box for 12 module <b>Makes:- Anchor (Roma plus) /L&amp;T/Legrand/Schenider</b>	8	1366.00	Rupees One Thousand Three Hundred Sixty Six Only	Each	10928	
7.00	Supplying and fixing suitable size G.I box with modular plate and cover in FRLS 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.	8	750.00	Rupees Seven Hundred Fifty Only	Each	6000	
8.00	Supplying and fixing RJ jack with cat 6 in the existing switch box/cover plate including connection etc. as required. <b>Makes:- Anchor (Roma plus) /L&amp;T/Legrand/Schenider</b>	8	489	Rupees Four Hundred Eighty Nine Only	Each	3912	
8.10	Supplying and drawing LAN cable CAT-6, solid copper conductor protected with PVC sheath in the existing surface/recessed steel /PVC conduit as required.						
	LAN Cable Cat-6	55	47	Rupees Forty Seven Only	P/Mtrs	2585	

9.00	Supplying and Fixing of following size of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.					
9.10	PVC conduit 25mm.	55	113.00	Rupees One Hundred Thirteen Only	Each	6215
	<b>Makes:- BEC PlastAnchor /PolyFit</b>					
	Providing and Fixing of LED fixture 600mmX600mm 36 Watt +/- 1W Surface mounted fixture with PMMA diffuser with having minimum system lumen efficacy of 100 lm/W with CRCA					
10.00	housing PMMA Diffuser with P.F. >0.95 with THD<10% , CCT 5700K, CRI 80. The LED Shall be tested with LM80-08 standered with Useful life 50000 Hrs at L70 Bajaj Cat No. 1 /wipro/Philips.with Five Year Warranty					
10.10	<b>Square LED Panel 2'x2' 36 watt Surface.</b>	8	6567	Rupees Six Thousand Five Hundred Sixty Seven Only	Each	52536
11.00	Supplying and fixing following type of Surface mounted luminaires, white power coated CRCA housing diffuser to avoid glare. it should be compatible with specification i.e. power factor> 0.9, Harmonic Distortion < 20% 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.					
11.10	<b>LED Batten Light 20Watt.</b>	6	1044.00	Rupees One Thousand Forty Four Only	Each	6264
	<b>Make Bajaj./ wipro/ Philips.</b>					
12.00	Providing and erection of LED 45 Watt street light luminaires, powder coated pressure die-cast aluminium SMDLED street light with heat resistant toughened glass including glass including connections, testing and commissioning etc. as required.					

12.10	Street Light LED-45 watt.Make Bajaj./ wipro/ Philips.	2	6575	Rupees Six Thousand Five Hundred Seventy Five Only	Each	13150
13.00	Wall light fixture, brushed nicke lfinish body, Opal Glass diffuser, suitable for 7 Watt retrofit LED lamp E27 base					
13.10	Fancy Wall Bracket.Make Bajaj./ wipro/ Philips.	2	1763.00	Rupees One Thousand Seven Hundred Sixty Three Only	Each	3526
14.00	Providing and fixing LED Bulk head of following rating with pressure die casting aluminium husing and it should be compatible with specification i.e power factor> 0.9, Harmonic distrotron <20% and efficacity>100 Lumens per watt, CRI rating >70 suitable for input voltage : 220-240V, 50 Hz complete with all accessories, connections, testing and commissioning etc. as required.					
14.10	LED Bulk Head Light 10W(Make Bajaj./ wipro/ Philips).	1	1415	Rupees One Thousand Four Hundred Fifteen Only	Each	1415
15.00	Providing, installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.					
15.10	Ceiling Fan 1200 mm sweep	3	2869	Rupees Two Thousand Eight Hundred Sixty Nine Only	Each	8607
15.20	Wall Fan.	8	3032	Rupees Three Thousand Thirty Two Only	Each	24256
	Makes:- Usha/Anchor/Bajaj					
16.00	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:-					

16.10	Exhaust Fan, light duty 300mm	2	2269	Rupees Two Thousand Two Hundred Sixty Nine Only	Each	4538
	<b>Makes:- Usha/Anchor/Bajaj</b>					
17.00	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, interconnections, powder painted, including earthing etc. as required:-(But without MCB/RCCB/Isolator). <b>Make:- Schenider/L&amp;T/Legrand</b>					
17.10	<b>Double door-04 way</b>	1	1572	Rupees One Thousand Five Hundred Seventy Two Only	Each	1572
17.20	<b>Double door-16 way</b>	1	2954	Rupees Two Thousand Nine Hundred Fifty Four Only	Each	2954
18.00	Supplying and erection 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 miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections testing and commissioning etc. as required:- <b>Make:- Schenider/L&amp;T/Legrand</b>					
18.10	<b>Single pole.</b>	20	265	Rupees Two Hundred Sixty Five Only	Each	5300
19.00	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 miliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
19.10	<b>63 Amps. Make:- Schenider/L&amp;T/Legrand</b>	1	3616	Rupees Three Thousand Six Hundred Sixteen Only	Each	3616



20.00	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
20.10	<b>63 Amps. Make:- Schenider/L&amp;T/Legrand</b>	1	616	Rupees Six Hundred Sixteen Only	Each	616
21.00	Earthing with G.I. earth plate 600 mmx600 mmx 6 mm thick, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/coke and salt as required.	1	8830	Rupees Eight Thousand Eight Hundred Thirty Only	Per set	8830
22.00	Providing and laying earth connection from earth with 4.00mm dia copper wire in 15 mm dia G.I. pipe from earth electrode including connection with copper thimble excavation and re-filling as required.	40	41	Rupees Forty One Only	P/Run. Mtrs.	1640
<b>Total</b>						<b>317555</b>

*Deelf Schedule of quantity checked and approved for ₹. 317555/ru)*

Executive Engineer  
Electrical Division  
HPPWD Palampur

# DRAFT SCHEDULE OF QUANTITY

NAME OF WORK :- Construction of Suvidha Kendra in SDM office Complex at Chamba(H.P) (Second Floor)(SH:- Providing E.I. therein).				ESTIMATED COST: Rs.1,56,376/-only.	
Job No 1411				EARNEST MONEY: Rs.3200/-only	
				TIME ALLOWED: Six Months	
SR. NO.	DESCRIPTION	QTY.	RATES		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 modular switch, modular plate and G.I. box)				
1.1	Group C	15	1824.00	Rupees One Thousand Eight Hundred Twenty Four Only	P/Point 27360
	Make : KEI/Plaza/Anchor/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	2 X 2.5 sq. mm	20	395.00	Rupees Three Hundred Ninety Five Only	P/Mtrs. 7900
2.2	2x4.0 Sq. mm.	20	473.00	Rupees Four Hundred Seventy Three Only	P/Mtrs. 9460
2.3	2x6 Sq. mm.	10	657.00	Rupees Six Hundred Fifty Seven Only	P/Mtrs. 6570
	Make : KEI/Plaza/BEC/SCI				
3	Wiring for circuit / sub-main 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. (4X4+2X4)HRRFRLS/PVC insulated single core copper conductor cable for earthing as required.	10	755.00	Rupees Seven Hundred Fifty Five Only	P/Mtr 7550
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.				

4.1	3x2.5 Sq. mm. <b>Make : KEI/Plaza/Anchor/SCI</b>	10	171.00	Rupees One Hundred Seventy One Only	P/Mtrs.	1710
5	Supplying and fixing suitable size G.I box with modular plate and cover in front on surface or in recess, including providing and fixing 3 Nos. 3 pin 5/6 Amps modular Socket outlet and 3 Nos. 5/6 Amps modular switches, connection etc. as required. For light plugs to be used in non residential building).					
5.1	Modular G.I box for 12 muddle <b>Makes:- Anchor (Roma plus) / Legrand/ Schenider</b>	1	1366.00	Rupees One Thousand Three Hundred Sixty Six Only	Each	1366
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 connection etc. as required. <b>Makes:- Anchor (Roma plus) / Legrand/ Schenider</b>	1	582.00	Rupees Five Hundred Eighty Two Only	Each	582
7	Supplying and fixing suitable size G.I box with modular plate and cover in FRLS 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. <b>Makes:- Anchor (Roma plus) / Legrand/ Schenider</b>	1	750.00	Rupees Seven Hundred Fifty Only	Each	750
8	Providing and installation of LED fixture 1200mmx300mm 36 W+/- 1 W surface mounted with PMMA diffuser with having minimum system lumen efficacy of 100lm/W with CRCA housing and PMMA Diffuser with P.F>0.95, THD<10%, CCT 5700 K, CRI 80. The LED shall be tested with LM80-08 standard with Useful life 50000 Hrs at L70 Bajaj Cat. No. BzSSL 36L LED WH 1W/pro/philips.with Five Year Warranty.					
8.1	<b>Rectangular LED panel Light 4'x1 36 Watt Surface.</b>	8	7234.00	Rupees Seven Thousand Two Hundred Thirty Four Only	Each	57872
9	Wall light fixture, brushed nicke lfinish body, Opal Glass diffuser, suitable for 7 Watt retrofit LED lamp E27 base					

9.1	Fancy Wall Bracket.	1	1763.00	Rupees One Thousand Seven Hundred Sixty Three Only	Each	1763
10	Supplying and fixing Call/bell/ buzzer suitable for single phase, 230 V	1	223.00	Rupees Two Hundred Twenty Three Only	Each	223
11	Providing, installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.					
11.1	Ceiling Fan 1200 mm sweep Make:- Usha /Bajaj/ Havells.	6	2869	Rupees Two Thousand Eight Hundred Sixty Nine Only	Each	17214
12	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus- bar, wire-set, neutral link, earth bar, din-bar, interconnections, powder painted, including earthing etc. as required:- (But without MCB/RCCB/isolator). Make:- Anchor/Legrand/Schneider					
12.1	Double door-08 way	1	1897	Rupees One Thousand Eight Hundred Ninety Seven Only	Each	1897
13	Supplying and erection 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 miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections testing and commissioning etc. as required:-					
13.1	Single pole. Make:- Anchor Uno/Legrand/Schneider	4	265	Rupees Two Hundred Sixty Five Only	Each	1060
14	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.					



40 Amps. Make:- Anchor Unol/egrand/Schneider					
14.1		1	2715	Rupees Two Thousand Seven Hundred Fifteen Only	Each 2715
15	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
15.1	40 Amps. Make:- Anchor Unol/egrand/Schneider	1	488	Rupees Four Hundred Eighty Eight Only	Each 488
16	Earthing with G.I earth plate 600 mmx600 mmx 6 mm thick, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/coke and salt as required.	1	8830	Rupees Eight Thousand Eight Hundred Thirty Only	Per set 8830
17	Providing and laying earth connection from earth with 4.00mm dia copper wire in 15 mm dia G.I pipe from earth electrode including connection with copper thimble excavation and re-filling as required.	26	41	Rupees Forty One Only	P/Run. Mtrs. 1066
Total					156376

*Deptt. Schedule of quantity checked and approved for 15/3/26/m*

Executive Engineer  
Electrical Division  
HPPWD Palampur

## SCHEDULE OF QUANTITY

NAME OF WORK :- Replacement of Electrical Installation & switchgear system into new one in S.P. Office Chamber, Rest-Room & Toilet at Chamba in Tehsil & Dist. Chamba (H.P.)						ESTIMATED COST: Rs.3,23,981/-only.	
						EARNEST MONEY: Rs.6500/-only	
						TIME ALLOWED: Six Months	
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT	
			FIGURES	WORDS			
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface /recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.						
1.1	Group C (Make : KEI/Plaza/Anchor/SCI	23	1823.00	Rupees One Thousand Eight Hundred Twenty Three Only	P/Point	41929	
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. Make : KEI/Plaza/Anchor/SCI						
2.1	2 X 1.5 sq. mm (For computer wiring).	20	326.00	Rupees Three Hundred Twenty Six Only	P/Mtr	6520	
2.2	2 X 2.5 sq. mm (For circuit wiring).	35	395.00	Rupees Three Hundred Ninety Five Only	P/Mtr	13825	
2.3	2x4.0 Sq. mm.	60	471.00	Rupees Four Hundred Seventy One Only	P/Mtr	28260	
2.4	2x6.0 Sq. mm. (For A.C. Wiring).	20	657.00	Rupees Six Hundred Fifty Seven Only	P/Mtr	13140	
2.5	2x10 Sq. mm.	10	793.00	Rupees Seven Hundred Ninety Three Only	P/Mtr	7930	
3	Wiring for circuit / sub-main wiring alongwith earth wire with the following sizes of FRLSPVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required Make : KEI/Plaza/Anchor/SCI						

3.1	4x4 Sq. mm.	40	771.00	Rupees Seven Hundred Seventy One Only	P/Mtr	30840
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					
4.1	3x2.5 Sq. mm.	30	171.00	Rupees One Hundred Seventy One Only	P/Mtr	5130
5	Supplying and fixing following size/modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required. Make:- L&T/ Legrand/Schneider					
5.1	1 or 2 module (75mmx75mm). Makes:- Anchor (Roma plus)	1	276	Rupees Two Hundred Seventy Six Only	Each	276
6	Supplying and fixing suitable size, GI box with modular plate base & cover plate for modular switches in recess etc as required. Makes:- Anchor (Roma plus)					
6.1	6 module - Modular GI box with Modular base & cover plate Make:- L&T/ Legrand/Schneider	8	750.00	Rupees Seven Hundred Fifty Only	Each	6000
7	Supplying and fixing suitable size G.I box with modular plate and cover in front on surface or in recess, including providing and fixing 3 Nos. 3 pin 5/6 Amps modular Socket outlet and 3 Nos. 5/6 Amps modular switches, connection etc. as required. For light plugs to be used in non residential building). Makes:- Anchor (Roma plus) L&T/ Legrand/Schneider					
7.1	Modular G.I box for 12 module	1	1366.00	Rupees One Thousand Three Hundred Sixty Six Only	Each	1366
8	Supplying and drawing Lan Cable Cat 6 solid copper conductor protected with PVC sheath in the existing surface/recessed, steel/PVC conduit as required. Make:- SCI/KEI/Plaza					
8.1	1 Pair.	30	70.00	Rupees Seventy Only	Each	2100
9	Supplying and fixing RJ 45 jack with cat 6 in the existing switch box/cover plate including connections etc. as required. Make:- SCI/KEI/Plaza					
9.1	RJ 45 Comp. socket Cat-6.	1	49.00	Rupees Forty Nine Only	Each	49

10	Supplying and fixing following rating Modular switch/Socket in the existing switch box/ cover plate including connections etc. as required.Makes:- Anchor/ L&T/Schneider					
10.1	Telephone socket outlet modular type.	1	116.00	Rupees One Hundred Sixteen Only	Each	116
11	Supplying and fixing following modular switch/ socket on the existing modular plate & switch/ box including connections but excluding modular plate etc. as required.Makes:- Anchor/ L&T/Schneider					
11.1	TV antenna socket outlet	1	157.00	Rupees One Hundred Fifty Seven Only	Each	157
12	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surfacel recessed steel PVC conduit as required.Make:- SC/KEI/Plaza					
12.1	Co-axial TV cable	30	36.00	Rupees Thirty Six Only	Each	1080
13	Supplying and Fixing of following size of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.Make :- PolyFit/Sidharth/Diplast					
13.1	PVC conduit 25mm.	60	113.00	Rupees One Hundred Thirteen Only	Each	6780
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, making good the damages, electrical connections, testing etc. complete as Item No 44 required:- Make:- Racold/Usha/Bajaj					
14.1	25 Liter capacity water heater (Cat-A)	1	10250	Rupees Ten Thousand Two Hundred Fifty Only	Each	10250



15	Supplying&fixing suitable size GI box with modular plate and cover in front surface or in recessible providing and fixing 25 amp modular socket outlet and 25 Amps modular SP MCB, "C" curve including connection, painting etc. as required. Modular GI box for 3 module <b>Makes:- Anchor/ L&amp;T/Legrand</b>	2	775	Rupees Seven Hundred Seventy Five Only	Each	1550
16	Providing and installation exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections testing and commissioning etc. as required: <b>Make :- Usha /Bajaj/Havells</b>					
16.1	<b>Exhaust Fan, Light duty, (Domestic) 300 mm sweep</b>	1	2269	Rupees Two Thousand Two Hundred Sixty Nine Only	Each	2269
17	Providing, installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required. <b>Make:- Usha/Bajaj/Havells with Not Less than 3 star rating</b>					
17.1	<b>Ceiling Fan 1200 mm sweep</b>	2	3191	Rupees Three Thousand One Hundred Ninety One Only	Each	6382
17.2	<b>Ceiling Fan 1400 mm sweep</b>	2	3252	Rupees Three Thousand Two Hundred Fifty Two Only	Each	6504
18	Providing and fixing decorative extruded tube fixture having high quality design suitable for LED tube up to 20Watt (2000 lumen) 6500K and it should be compatible with specifications i.e. power factor $\geq 0.9$ , harmonic distortion $\leq 10\%$ and efficacy $\geq 100$ lumens per watt, CRI $> 80$ , suitable for input voltage AC 220-240V, 50/60 Hz, including one no. tube rod 20 Watt complete with all accessories, connections, testing and commissioning etc. as required. with 5 year warranty <b>(Make Bajaj /Havells/Wipro</b>					
18.1	<b>LED Tube Fixture 20Watt</b>	1	975	Rupees Nine Hundred Seventy Five Only	Each	975

19	Providing and fixing LED Mirror Light of IP20 Feet Led fixture 10 W+/- 1W with Surface Mounted 2 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.					
19.1	<b>LED Mirror Light 10W Wipro/Bajaj</b>	1	665	Rupees Six Hundred Sixty Five Only	Each	665
20	Wall light fixture, brushed nickel finish body, opal Glass diffuser, suitable for 7 Watt retrofit LED lamp E27 base with 5 year warranty <b>Make:- Philips/Decon/Wipro</b>					
20.1	<b>Fancy wall bracket.</b>	1	1645	Rupees One Thousand Six Hundred Forty Five Only	Each	1645
21	Providing and fixing of LED fixture 600mmx600mm36watt+/-1W surface mounted fixture with HET plastic diffuser with minimum system lumen efficacy of 100lm/W with CRCA housing having P.F.>0.95 with THD<10%, 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 2700 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. <b>(Make philips/Bajaj/Wipro.</b>					
21.1	<b>LED Panel 2'x2' 36 watt.</b>	6	4834.00	Rupees Four Thousand Eight Hundred Thirty Four Only	Each	29004
22	Providing and fixing surface/recess mounting Square/Round LED downlighter suitable for surface application with the use of the latest technology 18/20 watt (1800 Lumen) 6000K a ESnoud be compatible with specification i.e. Power Factor> 0.9, Harmonic Distortion aeticacy 100 Lumens per wat, CRI ratings 80 suitable for input voltage: AC 220-240 OH, complete with all accessories, connections, testing and commissioning etc. as required. with 5 year warranty <b>Makes : Panasonic (Cat No PDL M11206BS)/Philips/ Bajaj/wipro.</b>					

22.1	Square/round LED Panel Light 18 W surface.	4	2870	Rupees Two Thousand Eight Hundred Seventy Only	Each	11480
23	Supplying and fixing call bell/Ding dong suitable for single phase, 230 volts, complete as required. Make:- Gold Medal /SSK/Anchor	1	117	Rupees One Hundred Seventeen Only	Each	117
24	Providing and erection of LED 45 Watt street light luminaries, powder coated pressure die-cast aluminium SMDLED street light with heat resistant toughened glass including glass including connections, testing and commissioning etc. as required. with 5 year warranty Make Jaquar/Panasonic/Wipro.					
24.1	Street Light LED-45 watt.	3	4097	Rupees Four Thousand Ninety Seven Only	Each	12291
25	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus- bar, wire-set, neutral link, earth bar, din-bar, interconnections, powder painted, including earthing etc. as required:- (But without MCB/RCCB/isolator). Make:- L&T/Legrand/Schneider					
25.1	Double door-4 way	1	1572	Rupees One Thousand Five Hundred Seventy Two Only	Each	1572
25.2	Double door-16 way	1	2954	Rupees Two Thousand Nine Hundred Fifty Four Only	Each	2954
26	Supplying and erection 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 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					
26.1	Single pole.	15	265	Rupees Two Hundred Sixty Five Only	Each	3975

27	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. Makes:- L&T/Legrand/Schneider					
27.1	63 Amps.	1	616	Rupees Six Hundred Sixteen Only	Each	616
28	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required. Makes:- L&T/Legrand/Schneider					
28.1	63 Amps.	1	3616	Rupees Three Thousand Six Hundred Sixteen Only	Each	3616
	Makes:- L&T/Legrand/Schneider					
29	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required. and providing masonry enclosure with cover plate having locking	2	18749	Rupees Eighteen Thousand Seven Hundred Forty Nine Only	Each	37498
30	Providing and laying earth connection from earth electrode with 4.00 mm dia copper wire in 15 mm dia G.I. pipe from earth electrode including connection with copper thimble excavation and re-filling as required	80	314	Rupees Three Hundred Fourteen Only	P/Mtr	25120
	Total					323981

Executive Engineer  
 Electrical Division  
 HPPWD Palampur



## DRAFT SCHEDULE OF QUANTITY

DRAFT SCHEDULE OF QUANTITY						
NAME OF WORK:-Annual Repair and Maintenance of Electrical Installation to various Govt. Non-Residential Building under ESD Chamba in Distt. Chamba (H.P.)(SH:- Annual Repair & Maintenance of A.C's 1.50/2.00 Tone capacity Window Type / Split type for the year 2023-24.)(w.e.f. 01-02-2023 to 31-01-2024).			Job No. <u>2</u> <u>13</u>		ESTIMATED COST: Rs.1,83,900/- only. EARNEST MONEY: Rs.3700/-only TIME ALLOWED: One Year	
Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Annual Repair & Maintenance (Routine and Preventive) of Split Air-Conditioning Units having following capacity(LG make) Hot & Cold including maintenance of voltage stabilizer and all other accessories extra copper pipes with sleeves, wire, insulation and battens etc. with drain Pipe, servicing, cleaning the filters, charging/topping up of refrigerent/R-22 Gas when required through out the year but excluding the replacement of the compressor of A. C. units if beyond repair. The repair and maintenance has been done as per instructions and directions to the best satisfaction of Engineer-in-charge.					
1.1	Window type AC Units 1.5 T.R capacity	1	4000	Rupees Four Thousand Only	Each	4000
1.2	Split type AC Units 1.5 T.R capacity	23	4300	Rupees Four Thousand Three Hundred Only	Each	98900
1.3	Split type AC Units 2.00 T.R capacity	6	4500	Rupees Four Thousand Five Hundred Only	Each	27000
2	Replacement /repair of voltage stabilizer PCB Remote of air-conditioner unit and as desired by the Engineer in Charge.	30	1800	Rupees One Thousand Eight Hundred Only	Each	54000
	Total					183900

Self-Schedule of quantity checked and approved for Rs. 183900 only

Executive Engineer  
Electrical Division  
HPPWD Palampur

## DRAFT SCHEDULE OF QUANTITY

**NAME OF WORK :-** Replacement of E.I safety devices in Assistant Director office of Jurcey Cattle Breeding Farm at Palampur in Tehsil Palampur Distt. Kangra HP

job No 14

**ESTIMATED COST:** Rs.2,65,205/-only.  
**EARNEST MONEY:** Rs.5400/- only  
**TIME ALLOWED:** One Month

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.					
	<b>Group C.</b>	33	1824	Rupees One Thousand Eight Hundred Twenty Four Only	Per point.	60192
	<b>SCI/KEI/Plaza make</b>					
2	supplying and fixing following type of Surface mounted luminaire , white power coated CRCA housing diffuser to avoid glare, it should be compatible with specification i.e. Power Factor > 0.9, Harmonic Distortion < 10% and efficacy > 100 lumens per watt, CRI rating > 70 Suitable for input voltage AC 220-240 V , 50 Hz, Complete with all accessories , connections, testing and commissioning etc. as required with 5 year warranty.					
	<b>LED Batten light 20 W</b>	6	761	Rupees Seven Hundred Sixty One Only	Each	4566
	<b>Make Crompton Cat. no. CCS-100-20-65-HL2-DP-NWH/ Bja/ Wipro</b>					
3	Providing and installation of following type of IP 20 W+/- 1W with surface mounted 4 feet batten fixture with system efficacy of 100 lm/W with Aluminum housing and P. F $\geq$ 0.95 with THD < 20%, CCT 6500 K, CRI 80, The input voltage range shall be 150V to 270V with 5 year warranty.					
	<b>Wipro (Cat No :-LL20-281-xxx-AL-1</b>	4	1178	Rupees One Thousand One Hundred Seventy Eight Only	Each	4712
	<b>Makes :-Wipro (Cat No :-LL20-281-xxx-AL-1/Philips/Bajaj</b>					
4	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	4	3191	Rupees Three Thousand One Hundred Ninety One Only	Each	12764
	Makes :-Ceiling Fan 1200 mm sweep, Category-A usha Technix Plus 3 Star,Philips,Bajaj with 3 rated star					
5	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.	4	1432	Rupees One Thousand Four Hundred Thirty Two Only	Each	5728
	Makes :-Wipro ( Cat. No.:-LW07-141-XXX-57-G1) Philips/Bajaj					
6	Supplying and fixing call bell/buzzer suitable for single phase, 230 volts, complete as required.Make :- GoldMedal/Anchor/SSK.	4	217	Rupees Two Hundred Seventeen Only	Each	868
7	Supplying and fixing batten/Angle holder including connection as required.Make :- Havells/Anchor/SSK.	10	92	Rupees Ninety Two Only	Each	920
8	Supplying and fixing suitable size G I box with modular plate and cover in front on surface or in recess including providing and fixing 3Nos. 3 pin 5/6 amps modular socket outlet and 3 Nos. 5/6 amps. modular switch, connections etc. as required.(For light plugs be used in non residential building)	5	1329	Rupees One Thousand Three Hundred Twenty Nine Only	Each	6645
	Make :-L&T,Legrend,Schenider					
9	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.	6	582	Rupees Five Hundred Eighty Two Only	Each.	3492
	Make :-L&T,Legrend,Schenider					
10	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.	8	750	Rupees Seven Hundred Fifty Only	Each.	6000
	Make :-L&T,Legrend,Schenider					
11	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.	55	473	Rupees Four Hundred Seventy Three Only	P/Mtr.	26015
	SCI/KEI/Plaza make					

12	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.	50	755	Rupees Seven Hundred Fifty Five Only	P/Mtr.	37750
	SCI/KEI/Plaza make					
13	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	90	395	Rupees Three Hundred Ninety Five Only	P/Mtr.	35550
	2x6Sqmm+ 1 X 6 sq. mm earth wire	25	657	Rupees Six Hundred Fifty Seven Only	P/Mtr.	16425
	2x10Sqmm+ 1 X 6 sq. mm earth wire	5	793	Rupees Seven Hundred Ninety Three Only	P/Mtr.	3965
	SCI/KEI/Plaza make					
14	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	35	171	Rupees One Hundred Seventy One Only	P/Mtr.	5985
	SCI/KEI/Plaza make					
15	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-16 way	1	2954	Rupees Two Thousand Nine Hundred Fifty Four Only	Each	2954
	Double door-12 way	1	2309	Rupees Two Thousand Three Hundred Nine Only	Each	2309
	Make :-L&T,Legrend,Schneider					
16	Supplying and fixing of 6 amps. to 32 amps. rating, 240/415 volts,10 KA 'C' curves, miniature circuit breaker suitable for inductive load of following poles in the existing miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections testing and commissioning etc. as required:-					
	6 Amp Single pole. Cat-A.	4	265	Rupees Two Hundred Sixty Five Only	Each	1060



	16 Amp Single pole. Cat-A.	8	265	Rupees Two Hundred Sixty Five Only	Each	2120
	Make :-L&T,Legrend,Schenider					
17	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.	2	616	Rupees Six Hundred Sixteen Only	Each	1232
	Make :-L&T,Legrend,Schenider					
18	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 miliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	63 Amps. Cat-A.	2	3616	Rupees Three Thousand Six Hundred Sixteen Only	Each	7232
	Make :-L&T,Legrend,Schenider					
19	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. etc. ( with charcoal or coke and salt ) complete as required.	1	8592	Rupees Eight Thousand Five Hundred Ninety Two Only	Per set	8592
20	Supplying and laying 6SWG G.I wire at 0.50 mtr. Below ground level for earth electrode conductor including soldering etc. as required.	25	40	Rupees Forty Only	Per Mtr	1000
21	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 25 amps modular socket outlet and 25 amps, modular switch, connections etc. as required.	1	775	Rupees Seven Hundred Seventy Five Only	Each.	775
	Make :-L&T,Legrend,Schenider					
22	Providing and erection of LED 20 watt street light luminaries of Crompton Greaves Electric having cat No. /ordering code LSTS-20-CDL-M, powder coated pressure die-cast aluminium SMDLED streetlight with heat resistant toughened glass it should be compatible with specification i.e. power factor $\geq 0.9$ , Harmonic Distortion < 10% and efficiency $\geq 100$ Lumens per watt, CRI rating> 70 suitable for input voltage: AC 220-240 V, 50 Hz. with 5- years warranty including connection, testing and commissioning etc. as required.					

	Street light fixture 20 watt LED with Lens, Make: Crompton (cat No. LSTS-20 CDL-M)/Bajaj/Wipro	1	1567.00	Rupees One Thousand Five Hundred Sixty Seven Only	Each	1567
23	Supplying and erection of street light bracket made of G.I. pipe 'A' class of suitable length and dia, the pipe bended to give an angle of 100 to 110 degree fitted with bolt & nuts at the top of existing pole or wall including painting the pipe with two coats of approved paint over priming coat complete in all respects as required:-					
	40 mm dia. G.I. pipe, heavy class	1	787.00	Rupees Seven Hundred Eighty Seven Only	Each	787
24	Supplying and fixing LED Chargeable lamp on existing holder as required	10	400.00	Rupees Four Hundred Only	Each	4000
	Make :- Syska,Anchor,Phillips					
	Total					265205

Self served by quantity check and approved by 26.5.2024

Executive Engineer  
Electrical Division  
HPPWD Palampur

## SCHEDULE OF QUANTITY

NAME OF WORK :- R/M of EI to various Govt. Non residential building in Distt. Kangra under Electrical Sub-Division HP PWD Dharamshala Distt. Kangra (HP)			Job No. 15		ESTIMATED COST: Rs 2,43,820/-only. EARNEST MONEY: Rs.4900/-only TIME ALLOWED: One Year	
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Engagement of temporary basis of Electrician - II in the Office of The Assistant Engineer . Electrical Sub Division. HPPWD Dharamshala during working hours (10.00 a.m. to 5.00 p.m.) or as & when required by the office in charge.	365	668	Rupees Six Hundred Sixty Eight Only	Per Day	243820
Total						243820
Terms And Condition:-						
1	The agency shall have to provide services as required in schedule of work.					
2	The services is required during normal working hours i.e. 10.00 AM to 5.00 PM or as required.					
3	The services have to be provided as per direction of office in-charge.					
4	The agency shall have to pay /provided minimum wages / rest / holiday as per HP State Govt.labour norms applicable for daily paid workers.					
5	Nothing extra shall have to pay / issued on account of liberties. T&P soap,duster etc.					
6	The services are required temporarily and can be terminated at any time without assigning any reason.					
7	Nothing extra shall have to paid for absent period.					
8	Nothing extra shall be made on monthly basis.					
9	The staff shall have to report daily to concerned office in-charge.					
10	Period of service depends upon the requirement of work and can be increased /decreased / terminated without assigning any reason.					
11	The worker should be fully insured.					

Draft schedule of quantity checked and approved for 243820/-

Executive Engineer  
Electrical Division  
HPPWD Palampur

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## SCHEDULE OF QUANTITY

NAME OF WORK :- R/M of EI to various Govt. Non residential building in Distt. Kangra under Electrical Sub-Division HP PWD Dharamshala Distt. Kangra (HP).					ESTIMATED COST: Rs.3,57,335/-only. EARNEST MONEY: Rs.7200/-only	
Job No 12					TIME ALLOWED: One year	
SR. NO.	DESCRIPTION	QTY.	FIGURES	RATES WORDS	UNIT	AMOUNT
1	Engagement of temporary basis of Drafts Man in the Office of Executive Engineer, Electrical Division, HPPWD Palampur during working hours (10.00 a.m. to 5.00 p.m.) or as & when required by the office in charge.	365	979	Rs. Nine hundred seventy nine only	Per Day	357335
	<b>Total</b>					<b>357335</b>
<b>Terms And Condition:-</b>						
1	The agency shall have to provide services as required in schedule of work.					
2	The services is required during normal working hours i.e. 10.00 AM to 5.00PM or as required.					
3	The services have to be provided as per direction of office in-charge.					
4	The agency shall have to pay /provided minimum wages / rest / holiday as per HP State Govt. labour norms applicable for daily paid workers.					
5	Nothing extra shall have to pay / issued on account of liberties, T&P soap, duster etc.					
6	The services are required temporarily and can be terminated at any time without assigning any reason.					
7	Nothing extra shall have to paid for absent period.					
8	Nothing extra shall be made on monthly basis.					
9	The staff shall have to report daily to concerned office in-charge.					
10	Period of service depends upon the requirement of work and can be increased / decreased / terminated without assigning any reason.					
11	The worker should be fully insured.					

*Beethi Seivale of quantity checked and approved for 357335/-*

Executive Engineer  
Electrical Division  
HP PWD Palampur



## SCHEDULE OF QUANTITY

**NAME OF WORK :-** R/M of EI to various Govt. Non residential building in Distt. Kangra under Electrical Sub-Division HP PWD Palampur Distt. Kangra (HP)  
w.e.f. 20-08-2023 to 19-06-2024.

Job No 17

**ESTIMATED COST:** Rs. 2,63,568/-only.  
**EARNEST MONEY:** Rs. 5300/-only  
**TIME ALLOWED:** 304 Days

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Engagement of temporary basis of Computer operator in the Office of Executive Engineer, Electrical Division, HPPWD Palampur during working hours (10.00 a.m. to 5.00 p.m.) or as & when required by the office in charge.	304	867	Rs. Eight hundred sixty seven only	Per Day	263568
	<b>Total</b>					<b>263568</b>
<b>Terms And Condition:-</b>						
1	The agency shall have to provide services as required in schedule of work.					
2	The services is required during normal working hours i.e. 10.00 AM to 5.00PM or as required.					
3	The services have to be provided as per direction of office in-charge.					
4	The agency shall have to pay /provided minimum wages / rest / holiday as per HP State Govt. labour norms applicable for daily paid workers.					
5	Nothing extra shall have to pay / issued on account of liberties, T&P soap, duster etc.					
6	The services are required temporarily and can be terminated at any time without assigning any reason.					
7	Nothing extra shall have to paid for absent period					
8	Nothing extra shall be made on monthly basis.					
9	The staff shall have to report daily to concerned office in-charge.					
10	Period of service depends upon the requirement of work and can be increased / decreased / terminated without assigning any reason.					
11	The worker should be fully insured.					

Draft schedule of quantity checked and approved  
for 263568/-

  
Executive Engineer  
Electrical Division  
HP PWD Palampur

## SCHEDULE OF QUANTITY

NAME OF WORK :- RM of EI to various Govt. Non residential building in Distt. Kangra under Electrical Sub-Division HP PWD Palampur Distt. Kangra (HP)			Job No 18		ESTIMATED COST: Rs 2,15,350/-only. EARNEST MONEY: Rs.4400/-only TIME ALLOWED: One Year	
SR. NO.	DESCRIPTION	QTY.	FIGURES	RATES WORDS	UNIT	AMOUNT
1	Providing services on temporary basis of Peon in the Office of The Executive Engineer , Electrical Division, HPPWD Palampur after working hours (9.00 a.m. to 5.00 p.m.) or as & when required by the office in charge.	365	590	Rupees Five Hundred Ninety Only	Per Day	215350
Total						215350
<b>Terms And Condition:-</b>						
1	The agency shall have to provide services as required in schedule of work					
2	The services is required during normal working hours i.e. 9.00 AM to 5.00 PM or as required.					
3	The services have to be provided as per direction of office in-charge.					
4	The agency shall have to pay /provided minimum wages / rest / holiday as per HP State Govt.labour norms applicable for daily					
5	Nothing extra shall have to pay / issued on account of liberties. T&P soap.duster etc.					
6	The services are required temporarily and can be terminated at any time without assigning any reason.					
7	Nothing extra shall have to paid for absent period.					
8	Nothing extra shall be made on monthly basis.					
9	The staff shall have to report daily to concerned office in-charge.					
10	Period of service depends upon the requirement of work and can be increased /decreased / terminated without assigning any					
11	The worker should be fully insured.					

Do not sign duplicate quantity check and copy provided by 15/12/2015

Executive Engineer,  
Electrical Division  
HPPWD Palampur



## SCHEDULE OF QUANTITY

NAME OF WORK :- Replacement of batteries for 30 KVA UPS in CTVS Lab, 2nd floor of Super Specialty Block, Dr. RPGMC Kangra at Tanda.			Job No & 19		ESTIMATED COST: Rs 2,72,066/-only. EARNEST MONEY: Rs.5500/-only TIME ALLOWED: One Month	
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying erection, testing & commissioning of batteries having following capacity sealed maintenance free- lead acid battery with suspended electrolyte (leak proof) suitable for different capacities UPS System etc. as required complete in all respects and to the best satisfaction of Engineer -in- Charge.					
	Battery 12 Volt 65 Ah	1	272066	Rupees Two Lacs Seventy Two Thousand Sixty Six Only	Each	272066
	Make :- Exide (EP 65 Ah-12V SMF)/ Panasonic/Quanta					
	Total					272066

Draft schedule of quantity checked and  
approved for Rs 272066/-

Executive Engineer  
Electrical Division  
HPPWD Palampur

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## DRAFT SCHEDULE OF QUANTITY

NAME OF WORK :Refilling of portable Fire Extinguishers of different capacity and types of New Makeshift covid -19 Hospital, Autopsy Block, oxygen Plant,Burn Unit Building and Maharaja Chand Guest House of Dr, RPGMC Kangra at Tanda.			Job No <del>12</del> 20		ESTIMATED COST: Rs.1,34,914/-only. EARNEST MONEY: Rs.2700/-only TIME ALLOWED: One Month	
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Refilling of Portable Fire extinguishers, CO2 type 4.5 kg. Capacity complete in all respect.	23	1450.00	Rupees One Thousand Four Hundred Fifty Only	Each	33350
2	Refilling of Portable Fire extinguishers Water Co2 Gas Cartridge type capacity 9 litrs. Complete in all respect,	6	735.00	Rupees Seven Hundred Thirty Five Only	Each	4410
3	Refilling of Portable Fire extinguishers Water type(S/P) Capacity 9 litrs. complete in all respect.	6	750.00	Rupees Seven Hundred Fifty Only	Each	4500
4	Refilling of Portable Fire extinguishers ABC type(filled with 50 Map Powder) 4 kg capacity complete in all respect.	3	1260.00	Rupees One Thousand Two Hundred Sixty Only	Each	3780
5	Refilling of Portable Fire extinguishers ABC type (filled with 50 Map Powder) 6 kg.capacity complete in all respect.	5	1590.00	Rupees One Thousand Five Hundred Ninety Only	Each	7950
6	Refilling of Portable Fire extinguishers ABC type (filled with 50 Map Powder) 9 kg.capacity complete in all respect.	17	2190.00	Rupees Two Thousand One Hundred Ninety Only	Each	37230
7	Replacement of ABC Type Cylindern discharge pipe complete in all repeat.	3	550.00	Rupees Five Hundred Fifty Only	Each	1650
8	Replacement of Water type cylinder discharge pipe complete in all repeat	2	500.00	Rupees Five Hundred Only	Each	1000
9	Replacement of Co2 Cylinder 4.5 kg. cap. discharge pipe with flexible Hose complete in all respect	7	850.00	Rupees Eight Hundred Fifty Only	Each	5950
10	Providing and Fixing of Portable fire Extinguishers Carbon Dioxide (Co2) type 4.5 kg. Capacity ISI mark IS:15683 fitted with 1 meter hose with bend horn complete in all respect. Make: Minimax/OMEX/Cease Fire.	3	10016.00	Rupees Ten Thousand Sixteen Only	Each	30048
11	Providing and Fixing of Portable fire Extinguishers ABC type 9 kg Capacity ISI mark IS: 15683 complete in all respect. Make: Minimax/OMEX/Cease Fire.	1	5046.00	Rupees Five Thousand Forty Six Only	Each	5046
Total						134914

Draft schedule of quantity checked and approved for ₹ 134914 only

Executive Engineer  
 Electrical Division  
 HPPWD Palampur



## DRAFT SCHEDULE OF QUANTITY

NAME OF WORK : Replacement of smoke Detector,hooter,and Refilling of Portable Fire Extinguishers to Auditorium Building at Dr. RPGMC Kangra at Tanda.			Job No <del>15</del> 21		ESTIMATED COST: Rs.2,83,702/-Only. EARNEST MONEY: Rs.5700/-only TIME ALLOWED: Three Months	
SR. NO.	DESCRIPTION	QTY.	FIGURES	RATES	UNIT	AMOUNT
				WORDS		
1	Refilling of Portable Fire extinguishers,CO2 type 4.5 kg. Capacity complete in all respect.	15	1450.00	Rupees One Thousand Four Hundred Fifty Only	Each	21750
2	Refilling of Fire extinguishers,CO2 type 9.0 kg. Capacity complete in all respect.	1	2750.00	Rupees Two Thousand Seven Hundred Fifty Only	Each	2750
3	Refilling of Portable Fire extinguishers Water type(S/P) Capacity 9 litrs. complete in all respect.	10	750.00	Rupees Seven Hundred Fifty Only	Each	7500
4	Refilling of Portable Fire extinguishers ABC type (filled with 50 Map Powder) 6 kg. capacity complete in all respect.	2	1590.00	Rupees One Thousand Five Hundred Ninety Only	Each	3180
5	Refilling of Portable Fire extinguishers Mechanical Foam type 9 liters Capacity. Complete in all respect.	4	900.00	Rupees Nine Hundred Only	Each	3600
6	Refilling of Fire extinguishers DCP type Trolley on mounted wheel 25 kg Capacity.	1	3200.00	Rupees Three Thousand Two Hundred Only	Each	3200
7	Refilling of Portable Fire Extinguishers Modular type Clean Agent 5 Kg. Capacity.	1	2500.00	Rupees Two Thousand Five Hundred Only	Each	2500
8	Providing and Fixing of Portable Fire Extinguishers ABC Type 2 kg. Capacity. ISI mark IS:15683 Complete in all respect.	2	2312.00	Rupees Two Thousand Three Hundred Twelve Only	Each	4624
9	Providing and Fixing of Portable Fire Extinguishers ABC Type 6 kg. Capacity. ISI mark IS:15683 Complete in all respect.	7	3748.00	Rupees Three Thousand Seven Hundred Forty Eight Only	Each	26236
10	Providing and Fixing of Portable Fire Extinguishers Water Type(S/P) 9 liters. Capacity. ISI mark IS:15683 Complete in all respect.	9	3618.00	Rupees Three Thousand Six Hundred Eighteen Only	Each	32562
11	Supplying , Fixing , testing and Commissioning of Optical/ addressable smoke detector with indicator including mounting base as required complete in all respect and to the best satisfactory of Engineer-in- charge.Make: Morley/ IAS, Bosch. Notifier	36	3800.00	Rupees Three Thousand Eight Hundred Only	Each	136800

12	Supplying , Fixing , testing and Commissioning of sounder / Hooter addressable with flashers including mounting base as required complete in all respect and to the best satisfactory of Engineer-in-charge. Make: Morley/ IAS, Bosch. Notifier	5	7800.00	Rupees Seven Thousand Eight Hundred Only	Each	39000
	<b>Total</b>					<b>283702</b>

*Depth Schedule of quantity checked and approved for 283702*

Executive Engineer  
Electrical Division  
HPPWD, Palampur

# SCHEDULE OF QUANTITY

NAME OF WORK:- Repair, Servicing & Comprehensive Maintenance of cassette type air-conditioning units installed in Ground Floor of Trauma Centre, Casualty Block and Anatomy Block, Lecture Theatres and Examination Hall, Dr. R.P.G.M.C Kangra at Tanda for the year 2023-24.		Job No. <b>22</b>	ESTIMATED COST: Rs.4,68,460/-only. EARNEST MONEY: Rs.9400/-only TIME ALLOWED: One Year
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Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Repair, Servicing & Comprehensive Maintenance of cassette type A.C. units (Hot & Cold) 'Daikin' make includes following services in case of breakdown during the AMC contract period as required complete in all respects and to the best satisfaction of Engineer-in-charge.	79.40	5900.00	Rupees Five Thousand Nine Hundred Only	Per T.R.	468460
i)	Quarterly services i.e. 3 dry and 1 wet or immediate attendance of breakdown if any, Refrigerent Gas charging (if required) , Replacement of compressor oil , Sapre Parts shall be replaced in case of minor breakdown during AMC. Compressor and PCB parts are Excluded in AMC as required complete in all respects.					
ii)	Routine Maintenance and proper Operation of Air-conditioner including regular cleaning of Air-Filter, Checking of communication wire, PCB, Checking of running and starting capacitor, Checking of 3 phase supply at outdoor ,cleaning of condensor coil,cleaning of Evaporator Unit , Cleaning of indoor Panel ,Checking of ODU fan coil motor , Checking of IDU motor , checking of fans of ODU as well IDU, Cleaning of panel and emergency break down service as required complete in all respects and to the best satisfaction of Engineer-in-charge.					
	Casualty Room G.F Tanda - (3.3 TR X 02 No.=6.6)+ (2.6 TR X 04 No=10.40.)= 17 TR					
	Examination Hall Tanda - (3.3 TR X 10 No.)= 33					
	Lecture Hall I-II - (3.8 TR X 04 No.)= 15.2					
	Conference hall G.F Anatomy Block- (3.8 TR X 02 No.)= 7.6					
	Demonstration Room G.F Anatomy Block - (3.3 TR X 02 No.)= 6.6					
	<b>Total</b>					<b>468460</b>

*Do not schedule of quantity checked and approved by 468460*

Executive Engineer  
Electrical Division  
HPPWD Palampur

*[Signature]*

## SCHEDULE OF QUANTITY

**NAME OF WORK:-** Repair and Comprehensive Maintenance of Air-Conditioning & Heating System of Central Library Building Dr. RPGMC Kangra at Tanda for the year 2023-24.

Job No. **23**

**ESTIMATED COST:** Rs.2,08,883/-only.  
**EARNEST MONEY:** Rs.4200/-only  
**TIME ALLOWED:** One Year

Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Repair & Maintenance (Routine & Preventive) of various makes/type and different capacity Ductable Split type AC/s with mandatory services and all emergency break down services as and when required from time to time as per the best satisfaction of Engineer-in-charge.					
a)	Thermostat, Relay, OLP, Fan-Motors, PCB Heaters, temperature sensors, Evaporators, Condensers, Refrigerant charging, Driers, Capillary, Blowers, Fan Blade, Control Box, Electrical Switches, Capacitors, Bearing & Lip Seal, Electrical Valves, Remote PCB including cost of their replacement but excluding the cost of replacement of compressor if beyond repair.					
b)	All defective components shall be replaced with compatible working parts and defective parts shall be company's/firm/contractors' property.					
i)	Air- Conditioning System (For Seven Months) (84x3000x7/12)	49	3200	Rupees Three Thousand Two Hundred Only	Per T.R	156800
ii)	Heating System (For Five Months) (62.5x2000x 5/12)	26.0415	2000	Rupees Two Thousand Only	Per KW	52083
	<b>Total</b>					<b>208883</b>

Draft submitted to the competent authority for clearance  
 approved by the competent authority on 20/08/23

Executive Engineer  
 Electrical Division  
 HPPWD Palampur



## SCHEDULE OF QUANTITY

NAME OF WORK:- Providing and fixing of split type air-conditioning unit in the skill center room Ground Floor Anatomy Block Dr. RPGMC Kangra at Tanda.		Job No. 24		ESTIMATED COST: Rs.1,95,522/-only. EARNEST MONEY: Rs.4000/-only TIME ALLOWED: One Month		
Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying, installation, testing and commissioning of 1.8/2TR Ton (Hot & Cold) 3 star Inverter Split type Air-Conditioning unit of following make confirming to I.S.I.-1391 PART-1992 with ammendment No. 1 (expect power consumption norms) fitted with hermetically shielded air-compressor as required complete in all respects.					
	A.C. Unit 1.8/2TR Ton capacity (Split Inverter)	2	85411.00	Rupees Eighty Five Thousand Four Hundred Eleven Only	Each	170822
2	Makes:- Voltas (Model No. : SAC 183VH SZS (R-32)/3 Star)/ Daikin/ Mistubishi.					
	Supplying and fixing wall mounting voltage stabilizer of following rating with output 240 volts with voltage regulation range from 130 volt to 280 volt and auto cut off beyond this range and time delay operation for the surges and fluctuations suitable for 1.5 TR capacity split type Air-Conditioner including making connections etc. as required complete in all respects.					
3	Automatic Voltage Stabilizer 5 KVA	2	6800.00	Rupees Six Thousand Eight Hundred Only	Each	13600
	Makes:- V-Guard/Godrej/Wirpool					
3	Providing & fixing of M.S. Outdoor heavy duty stand powder coated suitable suitable to hang 1.5/2.0 TR Split type AC with six nos. anchor bolts as required complete in all respects and as per direction of Engineer in charge.	2	950.00	Rupees Nine Hundred Fifty Only	Each	1900

4	Providing & fixing of extra copper tubes for refrigerant and condensate (1/4" - 1/2") for 1.5 T.R. split type A.C. units and wiring with suitable size of HRFRLS copper conductor single core cables, including the cost of insulation etc. as required complete in all respects.	6	1200.00	Rupees One Thousand Two Hundred Only	Per Meter	7200
5	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.	10	200.00	Rupees Two Hundred Only	Per Meter	2000
Total						195522

*As per schedule of quantity checked and approved by 19.5.522/2*

Executive Engineer  
Electrical Division  
HPPWD Palampur