



Office of the  
Executive Engineer  
Electrical Division, HP PWD Una  
Tel: +911975223484, Fax: +911975223484  
E-mail: [ee-eleu-hp@nic.in](mailto:ee-eleu-hp@nic.in)

No.PW/EDU/CB//TA/e-tender/2023-24/-

1489-1509

Dated

08-08-2023

To

✓  
The Executive Engineer (IT) Cell,  
Nirman Bhawan, Nigam Vihar  
Shimla-171002


Subject: - Regarding publication of Tenders Notice.

Sir,

**"JAI HIND"**

Enclosed please find herewith Tenders Notice along with Schedule of Quantities for uploading the same on Departmental website as per Notification no. PBW-(B)1/2020 dated 16.07.2021 as the work mentioned in the Tender Notice are urgent in nature and in Public interest. This is for your kind information and necessary action at your end please.

DA:-As above.

  
Executive Engineer,  
Electrical Division,  
HPPWD Una.

Copy along with its enclosures is forwarded to the following for favour of information please:-

1. The Superintending Engineer, 2<sup>nd</sup> Electrical Circle, HPPWD, Dharamshala.
2. The Assistant Engineer, Electrical Sub Division, HP PWD Hamirpur/Una & Bilaspur.
3. All the contractors working under the control of this Division.
4. All the Head of Branches in this office.
5. Notice Board.

✓  
Executive Engineer,  
Electrical Division  
HPPWD, Una



Office of the  
Executive Engineer  
Electrical Division, HP PWD, Una  
Tel: +911975223484, Fax: +911975223484  
E-mail: ee-eleu-hp@nic.in

30/05/2023  
Dated

No.PW/EDU/CB//TA/tender/2023-24/-

1397-1422

To,

✓ The Director,  
Information & Public Relation Deptt.,  
H. P. Shimla-171002.

Subject: - Regarding publication of tenders notice.

Sir,

**"JAI HIND"**

Enclosed please find herewith tenders notice for publication in **Giriraj/Tribune/ Punjab Kesari/Hindustan Times Newspaper** as well as in the other reputed/ leading newspapers on or before **07.06.2023**, at the earliest under intimation to this office please.

DA:-As above.

  
Executive Engineer,  
Electrical Division,  
HPPWD, Una.

Copy along with its enclosures is forwarded to the following for favour of information please:-

1. The Engineer-in-Chief, HPPWD., Shimla-2.
2. The Superintending Engineer, 2<sup>nd</sup> Electrical Circle, HPPWD, Dharamshala.
3. The Assistant Engineer, Electrical Sub Division, HP PWD Hamirpur/Una & Bilaspur.
4. All the contractors working under the control of this Division.
5. Drawing Branch in this office.
6. Notice Board.

✓  
Executive Engineer,  
Electrical Division,  
HPPWD, Una



**PUBLIC WORKS DEPARTMENT**

**\*CORRIGENDUM\***

The Offline tenders for Job No. 1 to 24 has been called vide this office Letter No. PW/EDU/CB/TA/Tender/2023-24/- 1397-1422 dated 30.05.2023 and published in Giri Raj vide Released order No. 0965/2023-24 (Classified) dated 07-06-2023, and the bids which are to be opened on dated 17.06.2023 at 11:00 A.M. Out of which the Job No. 06 and 07 there are corrections in the NIT and Job No. 22 there are some corrections in the DNIT as per the detail given below:-

Sr. No.	Job No.	Name of Work	Estimated. Cost (In Rs.)	Earnest Money (in Rs.)	Time Limit	Cost of form (In Rs.)	Eligibility of Contractor
1	06	R/M of E.I in various N/R buildings under ESD Hamirpur Distt Hamirpur HP (SH:- Providing inverter in rest house sera therein.)	Rs. 1,34,257 /-	Rs. 2,700/-	Six Months	350/-	May be read as Specialized Job instead of Class-D,C
2	07	R/M of E.I in various N/R building under ESD Hamirpur Distt Hamirpur HP (SH:- Providing air conditioner in rest house sera Therein.)	Rs. 2,72,697/-	Rs. 5,500/-	Six Months	350/-	May be read as Specialized Job instead of Class-D,C
3	22	C/o New Canteen at Govt. College Beetan, Distt. Una (HP) (SH:- Providing E.I. therein)	May be read as Rs. 2,37,147/- instead of Rs. 2,00,754 /-	May be read as Rs. 5,000/- instead of Rs. 4,000/-	Six Months	350/-	Class-D,C

Rest of terms and conditions shall remain unchanged.


**HIM SUCHANA AVAM JAN SAMPARK**

  
Executive Engineer,  
Electrical Division,  
HPPWD Una.  
Dated 08/06/2023

No-PW/EDU/CB/TA/Tender/2023-24/- 1510-30

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

1. The Superintending Engineer 2nd Electrical Circle HPPWD Dharamshala.
2. All the Assistant Engineers working under this Division.
3. All the Head of branches of this office.
4. All the contractors working under the control of this Division.
5. Notice Board.

  
Executive Engineer,  
Electrical Division,  
HPPWD Una.

**HIMACHAL PRADESH  
PUBLIC WORKS DEPARTMENT**


**\*Office Order \***

The tender for job No. 1 to 24 called vide this office letter No. PW/EDU/CB/TA/Tender/2023-24/- 1489-1509 dated 08.06.2023 and published in Giri Raj and published in Giriraj vide Released order No. 0965/2023-24 (Classified) dated 07.06.2023 which were to be sold on 15.06.2023 and were to be opened on 17.06.2023 at 11.00 A.M. The date of sale and date of opening for these tenders is hereby extended, now the same will be sold on 23.06.2023 and opened on 26.06.2023 at 11:00 A.M. due to administrative reason. Rest of terms and conditions shall remain unchanged,

**HIM SUCHANA AVAM JAN SAMPAR**

No-PW/EDU/CB/TA/Tenders/2023-24/-

1813-33


  
Executive Engineer,  
Electrical Division  
HPPWD, Una

Dated:-

14-08-2023

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

1. Superintending Engineer, 2<sup>nd</sup> Electrical Circle HPPWD., Dharmshala.
2. All the Assistant Engineers working under this Division.
3. All the Head of branches of this office.
4. Notice Board.

  
Executive Engineer,  
Electrical Division  
HPPWD., Una



# DRAFT SCHEDULE OF QUANTITY

Job No. 1

Estimated cost:- Rs. 2,87,305/-

Earnest money:- Rs. 5,800/-

Time Limit:- One year.

NAME OF WORK :- CO Health Sub Center in Jagun Nath Mandir In G.P Rajpura Jaswan Tehsil Amb Distt. Una (HP)  
 (SH Providing E.L.there in )

S. No.	Description	Quantity	Rate In Fig.	In Words.	Unit	Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit and earthing the light point with 1.5 Sq.mm. HRRFLS/PVC insulated single core copper conductor cable as required.(SSK,Anchor,L&T make)					
1.01	Group C. n	44	1480	Rupees One thousand four hundred eighty only.	Each	65120
2	Wiring for light plug with 2x1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.1.5 Sq.mm. HRRFLS/PVC insulated single core copper conductor cable for earthing as required.(Finolex,KEI,Anchor,Plaza make)	40	301	Rupees three hundred one only.	Print.	12040
3	Wiring for circuit/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.(Finolex,KEI,Anchor,Plaza make)					
3.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	40	301	Rupees three hundred one only.	Print.	12040
3.02	2x4 Sq. mm.+ 1 X 4 sq. mm earth wire	44	416	Rupees Four hundred sixteen only.	Print.	18304
3.03	4x4 Sq. mm.+ 2 X 4 sq. mm earth wire	32	671	Rupees Six hundred seventy one only.	Print.	21472



3.04	2x6 Sq. mm. + 1 X6 sq. mm earth wire	36	565	Rupees Five hundred sixty five only.	P/mtr.	20340
3.05	2x10 Sq. mm. + 1 X6 sq. mm earth wire	2	703	Rupees Seven hundred three only.	P/mtr.	1406
4	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required (Finolex, KEL, Anchor, L&T make)					0
4.01	3x1.5 Sq. mm.	20	97	Rupees Ninety seven only.	P/mtr.	1940
5	Supplying and fixing bakelite batten/angle holder including connections etc. as required:-	4	60	Rupees Sixty only.	Each	240
6	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C single phase, 230 volts complete as required:- .Make:- Legrand, L&T, Anchor as approved by Engineer-in-charge.	1	381	Rupees three hundred eighty one only.	Each	381
7	Supplying and fixing Power plug socket with MCB Protection 25 Amps with Plug top and 4 Module box including making connections, testing etc. as required (SSK, Cat.No.PSM-1501, HSN Code 8536/Anchor/L&T make)	2	1199	Rupees One thousand one hundred ninety nine only.	Each	2398
8	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps, piano type switch, connections, painting etc. as required. (SSK, Anchor, L&T make)	4	217	Rupees Two hundred seventeen only.	Each	868
9	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc. as required. (SSK, Anchor, L&T make)	4	316	Rupees Three hundred sixteen only.	Each	1264



10	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required.-L&TY/ABB/Legend						
10.01	Single pole Cat-A.	14	247	Rupees Two hundred forty seven only.	Each	3458	
11	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required.-L&TY/ABB/Legend					0	
11.01	Double pole, Cat-A.	2	472	Rupees Four hundred seventy two only.	Each	944	
12	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamps in the existing MCB DB complete with connections, testing and commissioning etc. as required. L&TY/ABB/Legend					0	
12.01	63 Amps. Cat-A.	2	2907	Rupees Two thousand nine hundred seven only.	Each	5814	
13	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts; on surface / recess, complete with fitted 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.-L&TY/ABB/Legend					0	
13.01	Double door-12 way	2	1945	Rupees One thousand nine hundred forty seven only.	Each	3890	
14	Earthing with G.I earth pipe 4.5 mtr. long and 40mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. ( but with charcoal or coke and salt ) complete as required.	1	6231	Rupees Six thousand two hundred thirty one only.	P/set	6231	
15	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	30	71	Rupees seventy one only.	P/mtr.	2130	




16	Providing, installation, testing and commissioning of ceiling fan with step type fan regulator modular, air delivery 215 m <sup>3</sup> /min power input 30 watts speed 350 RPM, 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.-(Category-A)(Crompton W/WHITE ISI mark W/WHITE ISI mark)/Lisha Technix Plus/Bajaj 3 Star					
16.01	Ceiling Fan 1200 mm sweep, Category-A	7	2872	Rupees Two thousand eight hundred seventy two only.	Each	20104
17	Supplying and fixing Fan box of M.S sheet with iron rod hook 12 mm in place of junction box complete as required.	7	44	Rupees Forty four only.	Each	308
18	Supplying and fixing surface LED 12 watt round down lighter with high efficacy Housing made of extruded aluminium with high translucent HET diffuser and it should be compatible with specifications i.e Power factor >0.9, Harmonic distortion <10% & efficacy >100 Lumens per watt, CRI >80, 6500 K, suitable for input voltage 220-240 Volts, 50 Hz, IP rating 20, Surge rating up to 2 K.V, Dia 140mm complete with connections etc as required. Wipro Iris Slim Surface mounted LD-80-101-XXX-60-SM (Philips or OSRAM make)	10	1584	Rupees One thousand five hundred eighty four only.	Each	15840
19	Supplying and fixing LED Tube fixture 20 watts surface mounting with polycarbonate diffuser with extruded aluminium housing and it should be compatible with specification i.e 2000 Lumens output, 80, 6500 K, length 4 feet Beam angle 120 degree suitable for input voltage 150-270 volts 50 HZ, Surge rating upto 3 K.V, complete with all accessories, connections, testing and commissioning etc. as required (Wipro Trim Neo LL20-281-XX-65AL1/Philips/ OSRAM make ).	11	1238	Rupees One thousand two hundred thirty eight only.	Each	13618



20	Supplying and fixing LED Tube fixture 40 watts surface mounting with polycarbonate diffuser with aluminium housing and it should be compatible with specification i.e 4000 Lumen output,CRI>80, 5000-5700 K,length 4 feet Beam angle 120 degree suitable for input voltage 150-270, volts 50 HZ, Surge rating upto 3 KV, IP40 complete with all accessories connections, testing and commissioning etc. as required( Wipro optima LL24-541-XXX-57-XX/ Philips/OSRAM make ),	2	2574	Rupees Two thousand five hundred seventy four only.	Each	5148
21	Providing and fixing LED Street light 25 watts aesthetic aluminium powder coated housing , with Precise optical LENS for uniform light distribution, AC 85-270 volts ,available color temperature 5700 K,CRI 80,IP rating 66, up to 10KVA electric surge protection and bracket of steel conduit pipe 32 mm., complete with all accessories,connections,testing and commissioning etc.as required. (Wipro LR06-311-XXX-57-XX/Chair/Philips make)	2	4653	Rupees Four thousand six hundred fifty three only.	Each	9306
22	Supplying and fixing of fancy wall bracket of model Cat.No.37934 chrome finish colour with opal glass diffuser made of mild steel, containing thread type LED lamp holder(s) of all sizes and shapes, complete with all accessories but excluding led lamp including making connections, testing etc. as required.:- Make: Philips,Jaguar Tisaa as approved by Engineer-in-charge.( Five year warranty)	2	2385	Rupees Two thousand three hundred eighty six only.	Each	4770
23	Providing and installation of Wall mounting fan of 400 mm sizes i/e hang the same in position on the wall,connections,testing and commissioning etc.as required.Make:- Luba/Sticker Hi speed,Crompton HIFLO NEO/Bajaj as approved by Engineer-in-charge.	1	3307	Rupees three thousand three hundred seven only.	Each	3307
24	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:- Crompton 300mm Drift Air Plus Metal Anti Dust/Usha					
24.01	Exhaust Fan, Heavy duty, 300 mm sweep	4	2753	Rupees Two thousand seven hundred fifty three only.	Each	11012

25	Supply and fixing exhaust fan Louver shutter for 300/380mm exhaust fan on the existing wall painting including 12 mm thick wooden ply board for suitable size of exhaust fan hole. National or its equivalent make	4	464	Rupees Four hundred sixty four only.	Each	1856
26	S/F LED lamp 9 watts Philips/Havells make in the existing batten holder, wall bracket, bulk head fitting & bath room bracket etc, as required.	4	159	Rupees One hundred fifty nine only.	Each	636
27	Providing and laying of aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade direct in ground, to be laid 1 meter below the ground level including excavation and refilling the trench etc, as required, but excluding sand cushioning and protective covering etc. of required size:-Havells/KEL/Plaza make)					
27.01	armoured cable 10 sq. mm (Twin core)	80	264	Rupees Two hundred sixty four	Mtr	21120
	<b>Total:-</b>					<b>287305</b>

  
 Executive Engineer,  
 Electrical Division,  
 HP PWD, Una.



# DRAFT SCHEDULE OF QUANTITY

Job No. 02

Estimated cost:- Rs. 1,37,708/-  
 Earnest money:- Rs. 2,800/-  
 Time Limit:- One year.

NAME OF WORK :- C/O Halpud at Sangham, Tehsil Chauri Dist.(Una) (HP) (SH :- Providing Electricity).

S. No.	Description	Quantity	Rate In Rs.	In words.	Unit	Amount
1	Wiring for light point / Fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HREFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit and earthing the light point with 1.5 Sq.mm. HREFR/S/PVC insulated single core copper conductor cable as required.(Maker/brand, L&T, Anchor)					
1.01	Group C.	18	1666	Rupees One thousand six hundred and sixty six only.	Each	29988
2	Wiring for light plug with 2x1.5 Sq. mm. PVC insulated heat resistant flame retardant (HREFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.1.5 Sq.mm. HREFR/S/PVC insulated single core copper conductor cable for earthing as required.(Finoles,KEL,Anchor,Plaza make)	15	315	Rupees three hundred fifteen only.	Point.	4725
3	Wiring for power plug with 2x4 Sq. mm. PVC insulated heat resistant flame retardant (HREFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.4 Sq.mm. HREFR/S/PVC insulated single core copper conductor cable for earthing as required.(Finoles,KEL,Anchor,Plaza make)	28	445	Rupees four hundred forty five only.	Point.	12460
4	Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HREFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.4 Sq.mm. HREFR/S/PVC insulated single core copper conductor cable for earthing as required.(Finoles,KEL,Anchor,Plaza make)	17	714	Rupees Seven hundred fourteen only.	Point.	12138



5	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HFR/LSPVC insulated single core copper conductor cable of same size for earthing as required.(Finlock,KEL,Anchor,Plaza make)					
5.01	2x1.5 Sq. mm.	27	315	Rupees three hundred fifteen only.	Print.	8505
6	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required.(Finlock,KEL,Anchor,Plaza make)					
6.01	3x1.5 Sq. mm.	10	100	Rupees One hundred only.	Print.	1000
7	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps, piano type switch, connections, painting etc. as required.	3	404	Rupees four hundred four only.	Each	1212
8	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 6 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc. as required.(SSK,Anchor,LA T make)	4	529	Rupees Five hundred twenty nine only.	Each	2116
9	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required. (SSK,Anchor make)	1	379	Rupees three hundred seventy nine only.	Each	379
10	Supplying and fixing bakelite button single breaker including connections etc. as required.	2	62	Rupees sixty two only.	Each	124
11	Supplying and erection of 6 amps, to 32 amps, rating, 10 K.A breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required.(Make:- Legrand, L&T, Hager)-					
11.01	Single pole, Cat-A.	7	191	Rupees One hundred ninety one only.	Each	1337
12	Supplying and erection of 40/50/63 amps rating, 10 K.A breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-					
12.01	Double pole, Cat-A.	1	469	Rupees Four hundred sixty nine only.	Each	469



13	Supplying and fixing following riling, 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:- Legrand, L&T, Hager)-					
13.01	63 Amps, Cat-A.	1	2938	Rupees Two thousand nine hundred thirty eight only.	Each	2938
14	Supplying and fixing of following way, single pole and neutral short steel MCB distribution board, 240 volts, on surface / recess, complete with tinted copper bus bar, wire-rod, neutral link, earth bar, din-bus, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphoryzed and powder painted, including earthing etc. as required:-					
14.01	Double door-12 way(Make:- Legrand, L&T, Hager)-	1	1731	Rupees One thousand seven hundred thirty one only.	Each	2691
15	Earthing with GI earth pipe 4.5 mtr. long and 40mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. ( but without charcoal or coke and salt ) complete as required.	1	5574		P/lot	5574
16	Extra for using salt and charcoal for pipe earth electrode complete as required.	1	1745	Rupees One thousand seven hundred forty five only.	P/lot	1745
17	Supplying and laying 6 SWG GI, wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	25	67	Rupees sixty seven only.	P/mtr.	1675
18	Providing, installation, testing and commissioning of ceiling fan with step type fan regulator module, air delivery 215 m3 /min power input 30 watts speed 330 RPM,including wiring the down rods of standard length (up to 30 cm) with 16R/20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan base and earthing etc. as required.-(Crompton WHITE ISI mark/Usha-Techinplus BEE 3star Bajaj 3 Star rated model)					
18.01	Ceiling Fan 1200 mm sweep, Category-A	2	2872	Rupees Two thousand eight hundred seventy two only.	Each	5744
19	Supplying and fixing Fan box of M.S.sheet with iron rod hook 12 mm.in place of junction box complete as required.	2	44	Rupees forty four only.	Each	88



20	Supplying and fixing LED Batten 10 watts Mirror Light and it should be compatible with specifications i.e power factor>0.9 Harmonic distortion<10% & efficacy>100, lumens per watts CRI>80, CCT 6500K suitable for input voltage 150-270 volts, 50Hz, IP rating 20, surge rating 2.0kV, and length 59.5 cm complete with connections etc. as required ( Whipro Triac Neo LL-20-111-XXX-65NEXTIVA /Philips make)	1	630	Rupees six hundred thirty only.	Each	630
21	Providing and fixing LED surface/pendant mounting Tube Fixture 36 watts LED batten modified aluminium housing PC diffuser with PC end caps, spring steel clamps for surface mounting arrangement and it should be compatible with specifications i.e Power factor >0.9, Harmonic distortion <10% & efficacy >100 Lumens per watts CRI >80, 5700 K, suitable for input voltage 220-240 Volts, 50 HZ, Length 1175X30X36 mm complete with connections and as per best satisfaction of Engineer-in-Charge complete as required.(Panasonic Harrow AI Code No.PBTM08366/Philips/Wipro make)	4	1081	Rupees One thousand eighty one only.	Each	4324
22	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:- (CromptonSemi Commercial Double Ball Bearing/Typha - SPH Turbo HDEF 900 RUPMISI/Bajaj)					
22.01	Exhaust Fan, Semi Commercial, 300 mm sweep	1	3246	Rupees three thousand two hundred forty six only.	Each	3246
23	Supplying and fixing exhaust fan lower shutter for 300 mm exhaust fan on the existing wall,putting etc., as required.(National or its equivalent make)	1	449	Rupees Four hundred forty nine only.	Each	449
24	S/F Computer board comprising 3 No.5 amps switch (P/T) and 3 No.3 pin 5 amps. Socket unit for (P/T) and 1 No.200x250x100mm metal box with cover plate and 1 No.4 modular switch board with cover plate and 1 No.computer jack with shutter including connections etc.as required,complete in all respects. (L&T/SSK/Anchor make)	1	820	Rupees Eight hundred twenty only.	Each	820
25	Supplying and fixing Power plug socket with MCB Protection 25 Amps with Plug top and 4 Module box including making connections,testing etc.as required (SSK ,Car.No.PSM-1501,ISSN Code 8536/Anchor L&T make)	1	1221	Rupees One thousand two hundred twenty one only.	Each	1221
26	Supplying and fixing Ceiling/wall fan 400 mm sweep, AC supply, 240 volts, 50 HZ high speed on the existing wall complete with connections,testing and commissioning etc.as required.( Crompton HIPLD NEO/Typha make ( WFMist Air DU/OSley blue /Bajaj )	1	3307	Rupees three thousand three hundred seven only.	Each	3307



27	Supplying and fixing of sub main wiring with 10 sq. mm weather proof twin core aluminium conductor cable on the G.I. heater wire etc.as required..(Polycab, Havells, Finolex)	30	71	Rupees Seventy one only	P/mtr.	2130
28	Providing and installation of stationary storage type Electric water heater (Geyser) vertical 25 ltrs capacity by means of Expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of Non-return valve, Dead weight safety valve, 2 No C.P. connection rods 18" long, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required:- (Jaquar /Recoild make)					
28.01	Storage water heater, 25 Liter capacity Car-A Jaquar (Elementa vertical)/Recoild Min 4 star	1	12450	Rupees Twelve thousand four hundred fifty only.	Each	12450
29	Providing and fixing LED street Light 30watts CCT 5700K, CRI>80, Surge rating 5kv, IP 66, input voltage 140V-270V, 50Hz, A.C. Supply with M.S bracket 62 mm dia with die cast aluminium housing with IP diffuser on the existing pole including connections complete in all respects and best satisfaction of Engineer -in-charge at site ( Panasonic Cal.NoPSTN127308XX/Philips/Wipro make)	3	3911	Rupees three thousand nine hundred eleven only.	Each	11733
30	Supplying and fixing surface LED 18 watt round down lighter with high efficacy, Housing made of casted aluminium housing with SS Strips and it should be compatible with specifications i.e.Power factor >0.9, Harmonic distortion <10% & efficacy >100 lumens per watts, CRI >80, 5700 K suitable for input voltage 220-240 Volts, 50 Hz, IP rating 20, Surge rating up to 2 "K.V. Dia 169mm complete with connections etc.as required, Panasonic PDL M26188 (Jaquar, Philips or its equivalent make)	2	1094	Rupees One thousand ninety four only.	Each	2188
31	Supplying and fixing LED Lamp 9 watts, 825 Lumens 240 volts AC supply 50 Hz in the existing batten holder, pendant holder, wall bracket & bulk-head fitting etc. as required (Philips Ace Saver HSN CODE 85395000T isva/Panasonic make)	2	151	Rupees One hundred fifty one only.	Each	302
	<b>Total:-</b>					<b>137708</b>

  
 Executive Engineer,  
 Electrical Division,  
 HPPWD Una.



## DRAFT SCHEDULE OF QUANTITY

Job No. 03

Estimated cost:-Rs. 3,67,907/-

Earnest money:- Rs. 7,400/-

Time Limit:- Six months

Name of work :- C/O Primary Health Center Building at Rail Dist. Hamirpur (H.P) (SH :- Providing accessories, LED Fixtures, fans, Geysers etc. there in )

S. No.	Description of Items	Quantity	Rate In fig.	In Words.	Unit	Amount
1	Providing installation testing and commissioning of ceiling fan with step size socket size 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. Make:- Usha Technix plus, or its equivalent not less than three star rating or its equivalent as approved by Engineer-in - charge.					
1.01	ceiling fan 1200 mm	34	2895	Rupees Two thousand eight hundred ninety five only.	Each	98430
2	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required. Make:- Usha Crompton or its equivalent as approved by Engineer-in - charge.					0
2.01	Exhaust Fan, Heavy duty, 300 mm sweep	9	3682	Rupees three thousand six hundred eighty two only.	Each	33138
3	Supply and fixing exhaust fan louver shutter for 300/380mm exhaust fan on the existing wall painting including 12 mm thick wooden ply board for suitable size of exhaust fan hole.	9	593	Rupees Five hundred ninety three only.	Each	5337



4	Supplying and fixing of Exhaust fan (Plastic) with Louver shutter 300mm 1000RPM 1125 Air Delivery Ex fan on the existing opening including making the hole to suit the size of above fan making good the damages complete with connections,testing and commissioning etc. as required. Make :- Usha, Crompton, or its equivalent as approved by Engineer-in-Charge.	10	2850	Rupees Two thousand eight hundred fifty only.	Each	28500
5	S/F of Cabin/wall fan 400 mm Mist Air on the existing wall complete with connections,testing and commissioning etc.as required. Make:- Usha, crompton or its equivalent as approved by Engineer-in - charge .	1	2734	Rupees Two thousand seven hundred thirty four only.	Each	2734
6	Supplying and fixing surface mounting 1'x4' size 36 Watt LED surface mounted base light comprises of CRCA housing luminaire LED 36 watt 5700 K with five year warranty and it should be compatible with specification i.e Power Factor > .95, Harmonic Distortion<10% and efficacy>100 Lumens per watt suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc.as required. Make :-Panasonic (Code :- PBLM15368 ),Jaquar,Philips ,wipro or its equivalent as approved by Engineer-in-Charge.	6	7688	Rupees Seven thousand six hundred eighty eight only.	Each	46128

7	Providing and fixing of surface mounted Luminaire LED 24 Watt batten ,having high Quality design aluminium extruded decorative end caps with (Five year warranty) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion < 10% and efficacy > 100 Lumens per watt ,CRI> 80 suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc.as required .Make :- Panasonic,Jaquar, Philips, wipro or its equivalent as approved by Engineer-in-charge.	36	595	Ruppes Five hundred ninety five only.	Each	21420
8	Supplying and fixing LED Batten 10 watt ,6500k ,(Five YEAR WARRANTY ) and it should be compatible with specification e.i. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make - Jaquar/Panasonic /PHILIPS ,wipro or its equivalent as approved by Engineer-in-Charge	12	363	Ruppes three hundred sixty three only.	Each	4356
9	Supplying and fixing surface square type LED 15-watt- 6000k, (Five YEAR WARRANTY ) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- Panasonic/ Philips, wipro or its equivalent as approved by Engineer-in-Charge.	40	1065	Ruppes One thousand sixty five only.	Each	42600



10	Supplying and fixing Square LED Recess type 20 watt, 6000k, (Five YEAR WARRANTY) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion < 10% and efficacy > 100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- Panasonic/ Philips, wipro or its equivalent as approved by Engineer-in-Charge.	1	1578	Ruppes One thousand five hundred seventy eight only.	Each	1578
11	Supplying and fixing of LED 45 Watt street light ( five year warranty) with innovative & aesthetic & robust design with aluminium heat sink and toughened glass (IP 66) with specification e.i. Power Factor > .9, and efficacy > 100 Lumens per watt, CRI > 80 suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. as required. Make -Panasonic, Jaquar /Philips/or its equivalent as approved by Engineer-in-Charge.	3	2484	Ruppes Two thousand four hundred eighty four only.	Each	7452
12	Supplying and fixing of wall-mounted 2U rack size, 550x400 mm depth including its complete accessories i.e. front glass door (tinted, toughened) with lock&key, 2 pairs pf 19" mounting rails with U-marking welded side walls 1U cable manager(1), hardware packet (1 pkt), 3 socket 5 amp, power distribution unit (1 No) as per product code NWR-4U-5040-GR as required. Make:- D-Link.	1	2963	Ruppes Two thousand nine hundred sixty three only.	Each	2963
13	Supplying and fixing D-link DGS-1100-08 (8 Port) 8 10/100/1000 ports EasyL2 switch standalone switch in desk top (green ethernet) for getting blazing speed of Gigabit Ethernet L2 switch that delivers power performance and reliability i.e increasing the speed of net work server in large in switching protocol storing and forwarding as required .Make:- D-Link.	1	5453	Ruppes Five thousand four hundred fifty three only.	Each	5453

14	Supplying and drawing 1mm cable Cat -6 solid copper conductor 4 pair protected with PVC Sheathed in existing surface /recessed steel/PVC Conduit as required. Make: Polycab, Finolox, D-link.	350	47	Rupees Forty seven only.	Meter	16450
15	S/F Shock treatment chart on the existing wall etc as required including carriage of material within all leads and lift.	1	150	Rupees One hundred fifty only.	Each	150
16	S/F rubber mat 1x2 meter long 12mm thick in front of main panel as required including carriage of material with in all leads and lift.	1	2400	Rupees Two thousand four hundred only.	Each	2400
17	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of Expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of Non-return valve. Dead weight safety valve, 2 No C.P. connection rods 18" long, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required. Make:- Racold, Jaquar, Aisha, minimum 3-star rating.					0
17.01	10 Liter capacity water heater	2	8338	Rupees Eight thousand three hundred thirty eight only.	Each	16676
17.02	25 Liter capacity water heater	3	10714	Rupees Ten thousand seven hundred fourteen only.	Each	32142
	<b>TOTAL</b>					<b>367907</b>

  
 Executive Engineer,  
 Electrical Division,  
 HPFWD Una.



## DRAFT SCHEDULE OF QUANTITY

Job No. 4

Estimated cost:- Rs. 4,99,290/-

Earnest money:- Rs. 10,000/-

Time Limit:- Six months.

Name of Work:- Construction of Mini Secretariat building at Nadaun in Distt. Hamirpur (H.P.). (SH:- Balance work of E.I therein ).

Sr. No	Description	Quantity	Unit	Rate Rs.	In words.	Amount
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. Make :- Anchor (Roma classic ), L&T (Entice), Legend (Myrius) or its equivalent as approved by Er-In-Charge					
1.01	Group C	30	Each	1854	Rupees One thousand eight hundred fifty four only.	55620
2	Wiring for circuit/submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required. Make:- Plastic, KEL, Finolex or its equivalent as approved by Er-In-Charge					
2.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	10	Meter	335	Rupees three hundred thirty five only.	3350
2.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	10	Meter	449	Rupees Four hundred forty nine only.	4490
2.03	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	5	Meter	608	Rupees Six hundred eight only.	3040



3	Supplying and fixing suitable size GI box with modular plate and cover in FRLS on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required. Make :-Anchor (Roma classic ), L&T(Enice), Legrand(Myrius) or its equivalent as approved by Er-In-Charge	1	Each	628	Rupees Six hundred twenty eight only.	628
4	Supplying and fixing recess LED square panel 2 X 2 36 watt, 6500k, (Five YEAR WARRANTY) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion <10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- panasonic( Cat no PBLM 22367, Philips, wipro or its equivalent as approved by Engineer-in-Charge	27	Each	4701	Rupees Four thousand seven hundred one only.	126927
5	Supplying and fixing recess LED cob light 12 watt, 4000k, (Five YEAR WARRANTY) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion <10% and efficacy >100 Lumens per watt, suitable for input voltage: AC-220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- panasonic( Cat no PBLM 33124, Philips, wipro or its equivalent as approved by Engineer-in-Charge	22	Each	1252	Rupees One thousand two hundred fifty two only.	27544
6	Supplying and fixing of LED 12 watt bulk head fitting with all accessories including making connections, testing etc. as required. Make Make Panasonic, Wipro Philips or its equivalent as approved by Er-In-Charge( Five year warranty)	8	Each	822	Rupees Eight hundred twenty two only.	6576




7	Providing and fixing of following type surface mounted Luminaire LED batten ,having high Quality design aluminium extruded decorative end caps and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion > 15% and efficiency > 100 Lumens per watt . CRI > 80 suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc as: Make Philips, Panasonic jaguar or its equivalent as approved by E-I-Charge( Five year warranty)					
7.01	10 watt	3	Each	363	Rupees three hundred sixty three only.	1089
8	Supplying and fixing extra down rod of 10 cm length G.I. pipe; 15 mm dia; heavy gauge including painting etc as required.	30	Each	46	Rupees Forty six only.	1380
9	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.	130	Meter	155	Rupees One hundred fifty five only.	20150
10	Supplying and fixing of DLP 105x50 mm PVC adaptable trunking on the exiting wall at required height from lower level for power connection, light connection and net working connection including partition chip flexible cover end cap as required complete in all respect .Make:-Legrand ,MK	75	Meter	1174	Rupees One thousand one hundred seventy four only.	88050
11	Providing, laying and fixing of interconnecting copper piping with Nitrile tubular insulation AC indoor to outdoor for split type AC 1.5 ton and 1.8 AC as required complete in all respect.	70	Meter	1150	Rupees One thousand one hundred fifty only.	80500



12	Supplying and fixing of wall mounted 2U rack size: 550x400 mm depth including its complete accessories i.e. front glass door (tinted, toughened) with lock&key, 2 pairs pf 19" mounting rails with U-marking welded side walls 1U cable manager (1), hardware packet (1pk), 3 socket 5 amp, power distribution unit (1 No) as per product code NWR-4U-5040-GR as required. Make:- D-Link.	7	Each	2963	Rupees Two thousand nine hundred sixty three only.	20741
13	Supplying and fixing 5 amps to 32 amps, 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.) Make L&T, Hager, ABB or its equivalent as per best satisfaction of Engineer-in-charge.					
13.01	single pole	4	Each	263	Rupees Two hundred sixty three only.	1052
14	Supplying and erection of 40/50/63 amps, 10 KA breaking capacity, 240 volts, "C" curves, miniature circuit breaker of pole Double pole in the existing MCB DB complete with connections etc. as required:- Make L&T, Hager, ABB or its equivalent as approved by Engineer-in-charge.	1	Each	1195	Rupees One thousand one hundred ninety five only.	1195
15	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 busbar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) Make L&T, Schneider, ABB or its equivalent as per best satisfaction of Engineer-in-charge.					
15.01	MCB DB 8 WAY Double Door	1	Each	1892	Rupees One thousand eight hundred ninety two only.	1892



16	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	2	P/Set	13838	Ruppes thirteen thousand eight hundred thirty eight only.	27676
17	Providing and installation of stationary storage type Electric water heater (Geyser) of following capacity various sizes by means of expansion-bolts with nuts and washers, including bedding of electrical connections, testing etc. complete as required:- Make:- Usha, Bajaj, Recold or its equivalent as per best satisfaction of Engineer-in-charge.					
17.01	10 litre	2	Each	8338	Ruppes Eight thousand three hundred thirty eight	16676
17.02	25 litre	1	Each	10714.00	Ruppes Ten thousand seven hundred fourteen only.	10714
Total						499290

  
 Executive Engineer,  
 Electrical Division,  
 HP.PWD., Una.

# DRAFT SCHEDULE OF QUANTITY

Job No. 05

Estimated cost:- Rs. 1,52,307/-

Earned money:- Rs. 3,100/-

Time Limit:- Six months.

Name of works:- Providing E.L. in the NDR Diagnostic Centre at Dr. RKGMC at Hamirpur Dist. Hamirpur (H.P.)

S. No.	Description of Items	Quantity	Rate In Rs.	In words.	Unit	Amount
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 heavy class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq mm FRLS PVC insulated copper conductor single core cable etc as required. Make :-Anchor (Roma classic ), L&T(Emco), Legrand (Mytron) pvc conduit Dipstal, AKG, BEC, POLY India or its equivalent as approved by En-In-Charge	12	1229	Rupees One thousand two hundred twenty nine only.	Each	14748
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 PVC conduit as required. Make:-Plura,KFI,Finolex & pvc conduit pipe AKG,BEC, Dipstal, Poly India or its equivalent as approved by En-In-Charge					0
2.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	30	204	Rupees Two hundred four only	Meter	6120
2.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	36	323	Rupees three hundred twenty three only	Meter	11628
2.03	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	10	529	Rupees Five hundred twenty nine only	Meter	5290
2.04	2 X 10 sq. mm + 4 X 6 sq. mm earth wire	10	583	Rupees five hundred eighty three only	Meter	5830
3	Supplying and fixing computer board/wiring, 1 no GI module then 12 module, 1 no 12 module modular base & cover plate, 3 nos 5 amp switches, 3 nos 5 amp sockets, 1 no 15/16 amp switch, 1 no 15 amp mod socket, including connections etc as required. Make :-Anchor (Roma classic ), L&T(Emco), Legrand (Mytron) or its equivalent as approved by En-In-Charge	2	1922	Rupees One thousand nine hundred twenty two only.	Each	3844
4	Supplying & fixing suitable size GI box with modular plate and cover in front on surface or in recess the providing and fixing 25 amp modular socket outlet and 25 Amps modular SP MCB, "C" curve including connection, painting etc. as required. Make :-Anchor (Roma classic ), L&T(Emco), Legrand (Mytron) or its equivalent as approved by En-In-Charge	2	606	Rupees six hundred six only.	Each	1212



3	Supplying and fixing suitable size (11 box with modular plate and cover in PRL Seal on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amp modular socket outlet and 15/16 amp modular switch, connection etc. as required. Make:-Anchor (Roma classic), L&T (Fairclough, Legrand (Meytron) or its equivalent as approved by E-in-Charge	2	628	Rupees Six hundred twenty eight only	Each	1256
6	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:- Usha/S PH TIRHO HDEF 900 RPM (Hajaj), Compton or its equivalent as approved by E-in-charge					0
6.01	Exhaust Fan, (Heavy Duty), 300 mm sweep	1	3682	Rupees Three thousand six hundred eighty two only	Each	3682
7	Providing, Installation, testing and commissioning of ceiling fan with modular type fan regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0 20 mm wire twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as req. wired. Make:- (Usha/TECHNIX PH155), (Hajaj), Compton or its equivalent as approved by E-in-charge					0
7.01	Ceiling fan 1200mm	1	2885	Rupees Two thousand eight hundred eighty five only	Each	2885
8	Providing and Installation of Wall mounting fan of 400 mm size (ie hang the same in position on the wall, connections, testing and commissioning etc. as required with best satisfaction of Engineer in charge. Make:- (Usha/MIS) AIR DISOS/ICY), (Hajaj), Compton or its equivalent as approved by E-in-charge	1	2734	Rupees Two thousand seven hundred thirty four only	Each	2734
9	Supplying and fixing recess round type LED 15 watt, 6000K, (Five YEAR WARRANTY) and it should be compatible with specification i.e. Power Factor > 9, Harmonic Distortion < 10%, and efficacy > 100 Lumens per watt, suitable for input voltage AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- Panasonic (PPAM1156 BS), Philips, wipro or its equivalent as approved by Engineer-in-Charge	3	859	Rupees Eight hundred fifty nine only	Each	2577
10	Supplying and fixing recess LED square panel 2 X 2 feet 36 watt, 6500K, (Five YEAR WARRANTY) and it should be compatible with specification i.e. Power Factor > 9, Harmonic Distortion < 10%, and efficacy > 100 Lumens per watt, suitable for input voltage AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- panasonic, Cai no PH1M 22167, Philips, wipro or its equivalent as approved by Engineer-in-Charge	4	4701	Rupees Four thousand seven hundred one only	Each	18804



11	MCB distribution board, 240 volts, on surface/ recess, complete with timed copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including cutting etc. as required (But without MCB/RCB/Isolator/Make:-L&T Cat. No. IC319307/2000/NO. 11 signed/Inspector), or its equivalent as approved by Engineer-in-charge. Make:- parsonnet Cat no PRLM 22367/Philips, wipro or its equivalent as approved by Engineer-in-Charge	1	2423	Rupees Two thousand four hundred twenty three only.	Each	2423
11.01	12 way, Double door					
12	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 10 KA, C curve/minimize electric breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make:- parsonnet Cat no PRLM 22367/Philips, wipro or its equivalent as approved by Engineer-in-Charge					0
12.01	Single pole	7	263	Rupees Two hundred sixty three only	Each	1841
13	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, C curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required. Make:- parsonnet Cat no PRLM 22367/Philips, wipro or its equivalent as approved by Engineer-in-Charge	1	1195	Rupees One thousand one hundred ninety five only.	Each	1195
14	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make:- parsonnet Cat no PRLM 22367/Philips, wipro or its equivalent as approved by Engineer-in-Charge					0
14.01	40amp, double pole, (single phase and neutral)	1	2960	Rupees Two thousand nine hundred sixty only.	EACH	2960
15	Supplying and fixing Aluminium battin LED 10' watt, 6500K, and it should be comparable with specification i.e. Power Factor > .9, Harmonic Distortion<10%, and efficacy >100 lumens per watt, suitable for input voltage AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- Jaquar (Model LCL 2702X010XC/Philips,Parsonnet or its equivalent as approved by Engineer-in-Charge (Five YEAR WARRANTY)	1	416	Rupees Four hundred sixteen only.	Each	416
16	Providing and installation of stationary storage type Electric water heater (Geyser)of various sizes by means of expansion-bolts with nuts and washers, includingembedding of expansion-bolts in the wall, making good the damages, electricalconnections, testing etc. complete as required. Make:Usha/METALLIC COLOUR 25 L,Bajaj,Recolid or its equivalent as approved by Engineer-in-charge	1	10714	Rupees Ten thousand seven hundred fourteen only.	Each	10714



17	Providing and fixing 250 AMF, four pole, 415 v/ln, On-Load change over switch in sheet steel Enclosure AC 23A duty, with side handle operation, including drilling holes on board making connections, etc. as required Make: L&T, Legrand/Hager, or its equivalent as approved by Engineer-in-charge.	1	22283	Ruppes Twenty two thousand two hundred eight three only.	Each	22283
18	Providing & Laying of one number aluminium conductor, PVC insulated and PVC sheathed armoured XLPE power cable 1.1 KV grade of following sizes on wall surface as required Make: KTI, POLYCARB, PZAZA or its equivalent as approved by Engineer-in-charge.					0
18.01	Armoured cable 120 sq. mm (3.5 core)	12	1208	Ruppes One thousand two hundred eight only.	Each	14496
19	Supplying and making end termination with brass compression gland and copper gland for 3.5 core XL20 sq. mm 1.1kv grade cable PVC insulated and PVC sheathed / aluminium cable of following size 3.5 core XL20 sq. mm	4	201	Ruppes three hundred one only.	Each	1204
20	Providing and fixing following rating and breaking capacity MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as require					0
20.01	125 amp/25 KA	1	12222	Ruppes Twelve thousand two hundred twenty two only.	Each	12222
21	Supplying and fixing 4 pole MCCB Enclosure with all accessories including connections, as required for DU100 H/DN/125 HV	1	1943	Ruppes One thousand nine hundred forty three only.	Each	1943
Total						152307

  
 Engineer-in-Charge,  
 Electrical Division,  
 HP PWD, Una.

DRAFT SCHEDULE OF QUANTITY					Job No. 06	
					Estimated cost:- Rs. 1,34,257/-	
					Earnest money:- Rs. 2,700/-	
					Time Limit:- Six months.	
Name of Work:- R/M of E.I in various N/R buildings under ESD Hamirpur Dist hamirpur HP SH:- Providing inverter in rest house sera Therein.)						
S. No.	Description of Items	Quantity	Unit	Rate in Fig.	In Words	Amount
1	Supplying Installation, testing and commissioning of 4KVA inverter suitable for AC single phase input 100 to 285, 50 HZ, output maximum load 3360 watt key feature high over load handling capacity advanced battery management which enhances battery life up to 70 %, installation and maintenance friendly no user action required automatic start, with 24 month warranty and with maximum charging current 21 amp and protection Overload, short circuit, Battery, deep discharge protection & battery reverse polarity protection. Battery 4 nos. 12V, 150AH with warranty of 36 month with back up time 6 hour etc as required complete in all respect as per satisfaction of the Engineer in-charge. (2 year warranty on inverter and Batteries having 36 month warranty ). Make:- Luminous/1-Cruze 5000-4KVA/48V battery RC 18000 12V 150AH/Microtech, APC, NUMERIC.	1	Each	128657	Ruppes One Lac. Twenty eight thousand six hundred fifty seven only.	128657
2	Supplying and fixing of M.S iron stand for 4 KVA inverter including paint etc as required	1	Each	5600	Ruppes Five thousand six hundred only.	5600
Total						134257

Executive Engineer,  
Electrical Division,  
HP.PWD., Una.



## DRAFT SCHEDULE OF QUANTITY

Job No. 07

Estimated cost:- Rs. 2,72,697/-

Earnest money:- Rs. 5,500/-


Time Limit:- Six months.

Name of Work:- R/M of E.I in various N/R bldgs under ESD Hamirpur Distt hamirpur HP (SH:- Providing air conditioner in Rest house sera Therein.)

Sr. No.	Description	Quantity	Unit	Rate In fig.	In words.	Amount
1	Supplying and fixing 1.8/2.0 ton inverter split type air conditioner Hot and Cold with voltage stabilizer 150 V TO 290 V, advanced filter, E saver mode, quit mode, dual display, auto clean, anti bacteria filter jet Cool on/off timer sleep mode compressor cord less remote complete in all respect as per comprising to ISI with latest amendment suitable to operate on 230 volt /240 volt + _ 10 % AC supply capable to perform the function of cooling dehumidification air circulation ventilation and fitting in size of nominal cooling capacity and drain pipe 20 mm dia approximately 3mts long 2 nos copper pipe with insulator for inlet and outlet approximately 3 mtrs long and M.S power coated frame /stand for erection of out door unit of split type A.C including carriage of material with in all leads and lift. Make -Daikin (model: FTH160), O General/ Mitsubishi or equivalent as approved by the Engineer Charge.	1	Each	80913	Rupees Eighty thousand nine hundred thirteen only.	80913
2	Supplying and fixing 1.5-ton inverter-split-type air conditioner Hot and Cold with voltage stabilizer 140V to 290 V, advanced filter, E saver mode, quit mode, dual display, auto clean, anti bacteria filter jet Cool on/off timer sleep mode compressor cord less remote complete in all respect as per comprising to ISI with latest amendment suitable to operate on 230 volt /240 volt + _ 10 % AC supply capable to perform the function of cooling dehumidification air circulation ventilation and fitting in size of nominal cooling capacity and drain pipe 20 mm dia approximately 3mts long 2 nos copper pipe with insulator for inlet and outlet approximately 3 mtrs long and M.S power coated frame /stand for erection of out door unit of split type A.C including carriage of material with in all leads and lift. Make -Daikin (model: FTH150), voltas/Mitsubishi or equivalent as approved by the Engineer Charge.	2	Each	65808	Rupees Sixty five thousand eight hundred eight only.	131616



3	Supplying and fixing of 20 mm 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 Dpluss/BEC/ Polyfit or its equivalent as approved by Er-In-Charge					0
3.01	20 mm	30	Meter	79	Ruppes Seventy nine only.	2370
4	Supplying and drawing copper conductor 3 core 2.5 Sqmm industrial cables & PVC insulated, PVC round sheathed multicore industrial Cables as required complete in all respect.	15	Meter	158	Ruppes One hundred fifty eight only.	2370
5	Supplying and fixing of DLP 105x50 mmPVC adaptable trunking on the exiting wall at required height from lower level for power connection, light connection and net working connection including partition clip flexible cover end cap, Make:-Legrand, MK or its equivalent as required complete in all respect.	20	Meter	1350	Ruppes One thousand three hundred fifty only.	27000
6	Providing, laying and fixing of interconnecting copper piping with Nitrite tubular insulation AC indoor to outdoor for split type AC 1.5 ton and 1.8 AC as required complete in all respect.	12	Meter	1244	Ruppes One thousand two hundred forty four only.	14928
7	Disinstall all type of air conditioner indoor and outdoor-unit complete in all respect as required	5	Each	1500	Ruppes One thousand five hundred only.	7500
8	Reinstallation all type of air conditioner indoor and outdoor unit complete in all respect as required	4	Each	1500	Ruppes One thousand five hundred only.	6000
	<b>TOTAL</b>					<b>272697</b>

  
 Engineer,  
 Electrical Division,  
 HPPWD Una.



# DRAFT SCHEDULE OF QUANTITY

Job No. 08

Estimated cost:- Rs. 4,08,381/-

Earnest money:- Rs. 8,200/-

Time Limit:- One year.

Name Of Work :- C/o Junior Engineer office cum residence Section- Bara at Bhou Distt. Hamirpur (H.P) (SH. Prov. E.Liberin)

S. No.	Description of Items	Quantity	Rate In Fig.	In words.	Unit	Amount
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. Make :- Anchor (Roma classic J.L.&T(Enrice), Legrand(Myrius) or its equivalent as approved by Engineer-In-Charge					
1.01	Group A	25	1344	Rupees One thousand three hundred forty four only.	Each	33600
1.02	Group C	29	1854	Rupees One thousand eight hundred fifty four only.	Each	53766
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. Make :- Anchor (Roma classic J.L.&T(Enrice), Legrand(Myrius) or its equivalent as approved by Engineer-In-Charge	10	1977	Rupees One thousand nine hundred seventy seven only.	Each	19770
3	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required					0
3.01	5/6 amp Modular switch	8	76	Rupees Seventy six only.	Each	608
3.02	5 pin 5/6 amp socket outlet	8	122	Rupees One hundred twenty two only.	Each	976



4	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. Make :-Anchor (Roma classic )L&T(Entice),Legrand(Mytrius) or its equivalent as approved by Er-In-Charge	14	437	Rupees four hundred thirty seven only.	Each	6118
5	Supplying and fixing suitable size GI box with modular plate and cover in FRLSont on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required..Make :-Anchor (Roma classic )L&T(Entice),Legrand(Mytrius) or its equivalent as approved by Engineer-In-Charge	11	628	Rupees Six hundred twenty eight only.	Each	6908
6	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 3 pin 5/6 amps modular socket outlets and 2 nos 5/6 amps modular switches, connection etc. as required. .Make :-Anchor (Roma classic )L&T(Entice),Legrand(Mytrius) or its equivalent as approved by Engineer-In-Charge	2	735	Rupees Seven hundred thirty five only.	Each	1470
7	Supplying and fixing Computer board comprising 3 nos:5 amp modular switches , G.I box 2 module for jack box and G.I Box 12 module for 5 amp switches and 5 amp sockets comprising sheet cover for each 2 module metal box , one no computer jack (RJ-45)with shutter including connections etc as required..Make :-Anchor (Roma classic )L&T(Entice),Legrand(Mytrius) or its equivalent as approved by Engineer-In-Charge	3	1458	Rupees One thousand four hundred fifty eight only.	Each	4374
8	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:-Plaza,KEI,Finolex or its equivalent as approved by Er-In-Charge					0
8.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	120	335	Rupees three hundred thirty five only.	Meter	40200



8.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	100	449	Rupees Four hundred forty nine only.	Meter	44900
8.03	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	48	714	Rupees Seven hundred fourteen only.	Meter	34272
8.04	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	9	730	Rupees Seven hundred thirty only.	Meter	6570
9	Supplying and drawing of following sizes of FRLS PVC insulated copper conductor, single core Cable in the existing surface/recessed steel/ PVC conduit as required.					0
9.01	3x1.5sq. mm + 1x1.5sq. mm earth wire.	30	97	Rupees ninety seven only.	Meter	2910
10	Supplying and drawing of UTP 4 pair CAT 6 LAN cable in the existing surface/recessed steel/PVC conduit as required.	36	53	Rupees fifty three only.	Meter	1908
11	Supplying and fixing of following sizes of PVC conduit along with accessories insurface/recess including painting in case of surface conduit, or cutting the walland making good the same in case of recessed conduit as required.					0
11.01	25 mm.	30	113	Rupees One hundred thirteen only.	Meter	3390
12	Providing, installation, testing and commissioning of ceiling fan without regulator,including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as req. wired. Make:- Usha/TECHNIX PLUS),Bajaj,Crompton or its equivalent as approved by Engineer-in-charge					0
12.01	Ceiling Fan 1200 mm sweep	8	2789	Rupees Two thousand seven hundred eighty nine only.	Each	22312
13	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 thedamages, connections, testing and commissioning etc. as required: Make:- Usha/AEROCLEAN PLUS DBB ),Bajaj,Crompton or its equivalent as approved by Engineer-in-charge					0



13.01	Exhaust Fan, Light duty, 300 mm sweep	1	2362	Rupees Two thousand three hundred sixty two only.	Each	2362
14	Providing and installation exhaust fan of 250mm (Plastic body) size in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required. Make:- Usha, Bajaj, Crompton or its equivalent as approved by Engineer-in-charge	2	1871		Each	3742
15	S/F louver and shutter for 300mm/350 mm on 12mm thick ply board as required complete final respect	1	600	Rupees six hundred only.	Each	600
16	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required. Make:- Usha (Model Mist 25 litre), Bajaj, Recold or its equivalent as approved by Engineer-in-charge	1	9970	Rupees Nine thousand nine hundred seventy only.	Each	9970
17	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required. Make:- Usha (Model Mist 6 litre), Bajaj, Recold or its equivalent as approved by Engineer-in-charge	1	6754	Rupees Six thousand seven hundred fifty four only.	Each	6754
18	Supplying and fixing surface round / square type LED 15 watt, 6000K, (Five YEAR WARRANTY ) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion < 10% and efficacy > 100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- Panasonic (Model -PDL M10156BR)/Philips, wipro or its equivalent as approved by Engineer-in-charge	18	1136	Rupees One thousand one hundred thirty six only.	Each	20448




19	Supplying and fixing Aluminium batten LED 24 watt, 6000K, (Five YEAR WARRANTY ) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:-Jaguar (Cat No LGL201X024XN )/Philips, Panasonic or its equivalent as approved by Engineer-in-Charge	8	595	Rupees five hundred ninety five only.	Each	4760
20	Supplying and fixing SURFACE 1x4 36 WATT LED , 5700K, (Five YEAR WARRANTY ) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- panasonic (Model -PBTM17228)/Philips, Wipro or its equivalent as approved by Engineer-in-Charge	2	4299	Rupees Four thousand two hundred ninety nine only.	Each	8598
21	Supplying and fixing Aluminium batten LED 10 watt, 6000K, (Five YEAR WARRANTY ) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- Jaguar/ Philips, Panasonic or its equivalent as approved by Engineer-in-Charge	3	363	Rupees three hundred sixty three only.	Each	1089
22	Supplying and fixing of bulk head fitting LED 12 watt ,6500K, (Five YEAR WARRANTY ) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- Jaguar (Model -)/Jaguar/PHILIPS, Panasonic or its equivalent as approved by Engineer-in-Charge	3	822	Rupees Eight hundred twenty two only.	Each	2466



23	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-	2	1195	Rupees One thousand one hundred ninety five only.	Each	2390
24	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.					0
24.01	40amp, double pole, (single phase and neutral)	2	2960	Rupees Two thousand nine hundred sixty only.	Each	5920
25	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 10 KA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.	17	263	Rupees Two hundred sixty three only.	Each	4471
26	Supplying and fixing of MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/isolator					0
26.01	12 way, Double door	1	2257	Rupees Two thousand two hundred fifty seven only.	Each	2257
26.02	16 way Double door	1	2805	Rupees Two thousand eight hundred five only.	Each	2805
27	Supplying and fixing PVC batten/ angle holder including connection etc. as required.	7	59	Rupees fifty nine only.	Each	413
28	Supplying and fixing true power make advanced earthing system having copper pipe 2 meter long 50 mm dia with terminal size 50x6 mm, internal strip size 25x2 with 50 Kg compound including excavation of pit and refilling the same and making earthing pit cover 13 inch dia as required complete in all respect. make :- True power, Earth plus, Ashoka or its equivalent as per best satisfaction of Engineer-in-charge.	2	13144	Rupees thirteen thousand one hundred forty four only.	Each	26288



29	Supplying and laying 8 SWG copper wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required	30	112	Rupees One hundred twelve only.	Meter	3360
30	Supplying and fixing street light LED 60 watt with G.I bracket die cast Aluminium housing with frame and toughened glass, pipe measuring 5700k. (Five YEAR WARRANTY ) and it should be compatible with specification e.i. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make - Jaquar (Model -LSRT015060XW )/Philips/wipro or its equivalent as approved by Engineer-in-Charge	3	5212	Rupees Five thousand two hundred twelve only.	Each	15636
TOTAL						408381

  
 Executive Engineer,  
 Electrical Division,  
 HPPWD Una.



# DRAFT SCHEDULE OF QUANTITY

Job No. 17

Estimated cost:- Rs. 4,47,161/-

Earnest money:- Rs. 9,000/-

Time Limit:- One year.

NAME OF WORK :- C/O 6 No. Class Rooms at Govt.S.S.Singpur,Tehsil Haroli, Distt.Uda (HP) (SH :- Providing E.Libere in)

S. No.	Description	Quantity	Rate In Fig.	In Words.	Unit	Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit and earthing the light point with 1.5 Sq.mm. HFR/LSPVC insulated single core copper conductor cable as required (Finolex,KEL,Anchor,L&T make)					
1.01	Group C	102	1653	Rupees One thousand six hundred fifty three only.	Each	168506
2	Wiring for twin control light point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper-conductor cable in surface/recessed steel conduit with 2-way, 5/6 amper, piano type switch and earthing the light point with 1.5 Sq.mm. HFR/LSPVC insulated single core copper conductor cable as required (Finolex,KEL,Anchor,L&T make)					
2.01	Group C	4	1916	Rupees One thousand nine hundred sixteen only.	Each	7664
3	Wiring for light plug with 2x1.5 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/ recessed steel conduit along with 1 No.1.5 Sq.mm. HFR/LSPVC insulated single core copper conductor cable for earthing as required (Finolex,KEL,Anchor,L&T make)	85	277	Rupees Two hundred seventy seven only.	P/mtr.	23545



4	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HFRLS/PVC insulated single core copper conductor cable of same size for earthing as required.(Finolox,KEL,Anchor,L&T make)					
4.01	2x1.5 Sq. mm.	130	277	Ruppes Two hundred seventy seven only.	P/mtr.	36010
5	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required.(Finolox,KEL,Anchor,L&T make)	0				
5.01	3x1.5 Sq. mm.	170	82	Ruppes Eighty two only.	P/mtr.	13940
6	Supplying and fixing following rating Piano-type switch /socket on the existing switch box / cover including connections etc. as required.					
6.01	S.P. 5/ 6 Amps one way switch, piano type.	6	49	Ruppes Forty nine only.	Each	294
6.02	5 pin 5/ 6 Amps socket outlet, porcelain base/ piano type.	6	71	Ruppes Seventy one only.	Each	426
7	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess, with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps, piano type switch, connections, painting etc. as required.	6	269	Ruppes Two hundred sixty nine only.	Each	1614
8	Supplying and fixing bakelite buttangle holder including connections etc. as required:- (SSK,Anchor make)	17	92	Ruppes Ninety two only.	Each	1564
9	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-					
9.01	Single pole, Car-A.	12	243	Ruppes Two hundred forty three only.	Each	2916




10	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-						
10.01	Double pole, Cat-A.	1	1111	Rupees One thousand one hundred eleven only.	Each	1111	
11	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.						
11.01	40 Amps, Cat-A.	1	2820	Rupees Two thousand eight hundred twenty only.	Each	2820	
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, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:-						
12.01	Double door-16 way	1	2691	Rupees Two thousand six hundred ninety one only.	Each	2691	
13	Earthing with GFI earth pipe 4.5 mtr. long and 40mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. ( but without charcoal or coke and salt ) complete as required.	1	3351	Rupees three thousand three hundred fifty one only.	P/set	3351	
14	Extra for using salt and charcoal for pipe earth electrode complete as required.	1	1613	Rupees One thousand six hundred thirteen only.	P/set	1613	
15	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	40	38	Rupees thirty eight only.	P/mtr.	1520	



16	Providing, installation, testing and commissioning of ceiling fan without step type fan regulator modular, air delivery 215 m <sup>3</sup> /min power input 30 watts speed 330 RPM, 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-(Ultra-Technisplus BEE 3 Star rated model) or its equivalent make)					
16.01	Ceiling Fan 1200 mm sweep, Category-A	30	2814	Rupees two thousand eight hundred fourteen only.	Each	84420
17	Supplying and fixing Fan box of M.S. sheet with iron rod hook 12 mm in place of junction box complete as required.	30	42	Rupees forty two only.	Each	1260
18	Supplying and fixing Step type fan regulator (Socket type) 100 watts on the existing switch box/cover complete making connections etc. as required.(SSK/Anchor or its equivalent make)	30	462	Rupees four hundred sixty two only.	Each	13860
19	Providing and fixing LED surface/pendant mounting Tube fixture 24 watts Jaquar make glazed LED batten Cat No.LGL201X024XXN high quality design aluminium extruded decorative end caps as per best satisfaction of Engineer-in-Charge complete as required.	48	831	Rupees Eight hundred thirty one only.	Each	39888
20	Providing and fixing LED Street light 25 watts aluminium die cast housing with Polycarbonate LENS for uniform light distribution ,AC 85-270 volts with 4MV electric surge,lumen 2400,available color temperature 6500 K,CRI 80,IP rating 66, up to 10K VA electric surge protection and bracket of steel conduit pipe 32 mm., complete with all accessories,connections,testing and commissioning etc.as required. (Wipro LR02-291-XXX-57-XX/Clair/Philips make)	9	3508	Rupees three thousand five hundred eight only.	Each	31572



21	Supplying and fixing LED Lamp 9 watts 6500 K E-27, 900 Lumens 240 volts AC supply 50 HZ in the existing batten holder, pendant holder, wall bracket & bulk head fitting etc, as required (Tosya cat. No. AL94661X/Panasonic/Philips make)	17	243	Rupees Two hundred forty three only.	Each	4131
22	Wiring for sub main wiring with following sizes of weather proof twin core aluminium conductor cable on G.I. bearer wire etc, as required.					
22.01	16 sq.mm. Twin core	35	67	Rupees sixty seven only.	P/mtr.	2345
	<b>Total:-</b>					<b>447161</b>

  
 Executive Engineer,  
 Electrical Division,  
 HP.PWD., Una.



## DRAFT SCHEDULE OF QUANTITY

Job No. 18

Estimated cost:- Rs. 99,710/-  
 Earnest money:- Rs. 2,000/-  
 Time Limit:- One Year

Name of Work:- Annual Comprehensive Maintenance contract (AMC) of 1 No. Passengers Lift (Johnson make) in the ADR centre Hamirpur Distt.  
 Hamirpur HP. (For the period 10.09.2022 to 09.09.2023).

S. No.	Description	Quantity	Unit	Rate Rs.	In words.	Amount
1.00	Regular examination, lubrication and Adjustment of the equipment and planned maintenance in the systematic manner and replacement of parts as detailed below:-	-	-	-	-	-
1.01	Renew all wires ropes and chain to maintain an adequate factor of safety, to equalize tension on all hoisting ropes, repair or replace conductor cables and hoist way and machine room elevator wiring.	-	-	-	-	-
1.02	Systematic examining and adjustment of following machine, worn gear, Thrust bearings Drives sheaves, Drive shelves bearings, brake contract, linings and components, Motor generator, motor, Motor generator, Motor windings, rotating elements, commutator, brushes brush holder, bearings, coils, resistance for operating and Motor circuit, magnet frames and other mechanical parts, controller, selector leveling, devices cams, relays, solid state components e.g PCB's transducers, resistance, condensers, power amplifier, transformers, contract, leads, dashpots timing devices, Steel selector tapes and mechanical and electrical driving equipment Governor, governor sheave, shaft assembly bearings and Governors jaws, cr and tail mechanical button, car and half position indicators half lanterns, car direction indicators and all other car and landings as installed by Johnson. Deflector or secondary sheave, bearing, car counter weight and counterweight guide rails and buffers, top and button limit switches, Governor tension sheaves assembly, compensating sheaves assembly car, counter weight and counter overweight guide shows including rollers or gibs, interlock on Hoist way.	-	-	-	-	-
1.03	Examine periodically all safety devices and governor and all customary safety test.	-	-	-	-	-



1.04	The firm will provide emergency minor adjustment all back services 24 hours as all working days as well as holidays/ Sunday. The firm will maintain the lift in reliable and efficient operating connections.	-	-	-	-	-
1.05	( Machine No. L-M1470	1.00	Job	99710	Rupees Ninety nine thousand seven hundred ten only.	99710
TOTAL:						99710

  
 Executive Engineer,  
 Electrical Division,  
 HP PWD., Una.



## DRAFT SCHEDULE OF QUANTITY

Job No. 19


Estimated cost:- Rs. 2,14,286/-  
 Earnest money:- Rs. 4,300/-  
 Time Limit:- One year.

Name of Work:- Annual Comprehensive Maintenance contract (AMC) of INos. Passenger lift ( Johnson make) in Dr. RKGMC Hamirpur Distt Hamirpur HP. (For the year 2023-2024).

S. No.	Description	Quantity	Unit	Rate Fig.	In words.	Amount
1.00	Regular examination, lubrication and Adjustment of the equipment and planned maintenance in the systematic manner and replacement of parts as detailed below:-	-	-	-	-	-
1.01	Renew all wires ropes and chain to maintain an adequate factor of safety, to equalize tension on all hoisting ropes, repair or replace conductor cables and hoist way and machine room elevator wiring.	-	-	-	-	-
1.02	Systematic examining and adjustment of following machine, worn gear, Thrust bearings Drives sheaves, Drive shelves bearings, brake contract, linings and components, Motor generator, motor, Motor generator, Motor windings, rotating elements, commutator, brushes brush holder, bearings, coils, resistance for operating and Motor circuit, magnet frames and other mechanical parts, controller, selector leveling, devices cams, relays, solid state components e.g PCB's transducers, resistance, condensers, power amplifier, transformers, contract, leads, dashpots timing devices, Steel selector tapes and mechanical and electrical driving equipment Governor, governor sheave, shaft assembly bearings and Governors jaws, or and hall mechanical button, car and hall position indicators hall lanterns, car direction indicators and all other car and landings as installed by Johnson. Deflector or secondary sheave, bearing, car counter weight and counterweight guide rails and buffers, top and button limit switches, Governor tension sheaves assembly, compensating sheaves assembly car, counter weight and counter overweight guide shows including rollers or gibs, interlock on Hoist way.	-	-	-	-	-



1.03	Examine periodically all safety devices and governor and all customary safety test.	-	-	-		-
1.04	The firm will provide emergency minor adjustment all back services 24 hours as all working days as well as holidays/ Sunday. The firm will maintain the lift in reliable and efficient operating connections.	-	-	-		-
1.05	( Machine No. L-J6797	1.00	Job	214288	Ruppes Twolinc. Fourteen thousand two hundred eighty eight only.	214288
	<b>TOTAL:</b>					<b>214288</b>

  
 Executive Engineer,  
 Electrical Division,  
 HP.PWD., Una.



# DRAFT SCHEDULE OF QUANTITY

Job No. 20

Estimated cost:- Rs. 1,45,848/-

Earnest money:- Rs. 2,900/-

Time Limit:- One year.

Name of Work:- Annual Comprehensive Maintenance contract (AMC) of 1Nos. 13 Passenger lift ( Johnson make) in Mini Sectt. Bhoranj Distt Hamirpur HP (for One year from awarded date)

S. No.	Description	Quantity	Unit	Rate fig.	In words.	Amount
1.00	Regular examination, lubrication and Adjustment of the equipment and planned maintenance in the systematic manner and replacement of parts as detailed below:-	-	-	-	-	-
1.01	Renew all wires ropes and chain to maintain an adequate factor of safety, to equalize tension on all hoisting ropes, repair or replace conductor cables and hoist way and machine room elevator wiring.	-	-	-	-	-
1.02	Systematic examining and adjustment of following machine, worn gear, Thrust bearings Drives sheaves, Drive shelves bearings, brake contract, linings and components, Motor generator, motor, Motor generator, Motor windings, rotating elements, commutator, brushes brush holder, bearings, coils, resistance for operating and Motor circuit, magnet frames and other mechanical parts, controller, selector leveling, devices cams, relays, solid state components e.g PCB's transducers, resistance, condensers, power amplifier, transformers, contract, leads, dslipots timing devices, Steel selector tapes and mechanical and electrical driving equipment Governor, governor sheave, shaft assembly bearings and Governors jaws, cr and hall mechanical button, car and hall position indicators hall lanterns, car direction indicators and all other car and landings as installed by Johnson. Deflector or secondary sheave, bearing, car counter weight and counterweight guide rails and buffers, top and button limit switches, Governor tension sheaves assembly, compensating sheaves assembly car, counter weight and counter overweight guide shows including rollers or gibs, interlock on Hoist way.	-	-	-	-	-



1.03	Examine periodically all safety devices and governor and all customary safety test.	-	-	-	-	-	-
1.04	The firm will provide emergency minor adjustment all back services 24 hours as all working days as well as holidays/ Sunday. The firm will maintain the lift in reliable and efficient operating connections.	-	-	-	-	-	-
1.05	( Machine No. L-32337).	1.00	Job	145848	Rupees One Lac. Forty five thousand eight hundred eight only.	145848	145848
TOTAL:							145848

  
 Executive Engineer,  
 Electrical Division,  
 HP.PWD., Una.



## DRAFT SCHEDULE OF QUANTITY

Job No. 21

Estimated cost:- Rs. 2,42,900/-

Earnest money:- Rs. 4,900/-

Time Limit:- One year.

Name of work :- C/O Ayurvedic Health centre Building at Jodhpur, Tehsil Mandota, Distt. Bikaner (R.P. MSN):- Providing E.L. there in)

S. No.	Description	Rate Rs.	In words.	Unit	Amount	
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq mm FRLS PVC insulated copper conductor single core cable etc as required, Anchor (Rama classic) L&T (Fifteen), Legend/Myron) or as approved by Engineer-in-charge.					
1.01	Group C	58	976.00	Ruppes Nine hundred seventy six only.	Point	56608
2	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit alongwith 1 No 4 sq mm FRLS PVC insulated copper conductor single core cable for loop earthing as required, KEL/Plaza, Anchor, L&T or as approved by Engineer-in-charge.	88	312	Ruppes three hundred twelve only.	point	27456
3	Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit alongwith 1 No 4 sq mm FRLS PVC insulated copper conductor single core cable for loop earthing as required, KEL/Plaza, Anchor, L&T or as approved by Engineer-in-charge.	37	532	Ruppes Five hundred thirty two only.	point	19684
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 medium class PVC conduit as required, KEL/Anchor, L&T as approved by Engineer-in-charge.					0
4.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	80	194	Ruppes One hundred ninety four only.	point	15520
4.02	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	3	558	Ruppes Five hundred fifty eight only.	point	1674
4.03	4 X 10 sq. mm + 2 X 6 sq. mm earth wire	2	1057	Ruppes One thousand fifty seven only.	point	2114
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, KEL/Anchor, L&T as approved by Engineer-in-charge.					0



5.01	3 x 1.5 sq. mm	50	97	Rupees Ninety seven only.	pinus	4850
6	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.					0
6.01	5/6 amps switch	6	29	Rupees Twenty nine only.	Each	174
6.02	3 pin 5/6 A socket outlet	6	82	Rupees eighty two only.	Each	492
7	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 FRL Scott 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) Legrand/Myrin/L&T (tenice) Anchor (Roma plus ) as approved by Engineer-in-charge.	6	210	Rupees Two hundred ten only	Each	1260
8	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 FRL Scott 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. Legrand/Myrin/L&T (tenice) Anchor (Roma plus ) as approved by Engineer-in-charge.	11	316	Rupees three hundred sixteen only.	Each	3476
9	Supplying and fixing 5 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 Make L&T, Legrand/Hegep as approved by Engineer-in-charge.					0
9.01	Single pole 6 Amp Cat-A	6	252	Rupees Two hundred fifty two only	Each	1512
9.02	Single pole 16 Amp Cat-A	11	252	Rupees Two hundred fifty two only	Each	2772
10	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts "C" curve, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required Make L&T, Legrand/Hegep as approved by Engineer-in-charge.					0
10.01	40 Amps Cat-A	2	1105	Rupees One thousand one hundred five only.	Each	2210
10.02	63 Amps Cat-A	1	1105	Rupees One thousand one hundred five only.	Each	1105




11	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make L&T. Legrand/Heglar as approved by Engineer-in-charge					0
11.01	40 A	2	2716	Rupees Two thousand seven hundred sixteen only.	Each	5432
11.02	63 A	1	3373	Rupees three thousand three hundred seventy three only.	Each	3373
12	MCB distribution board, 240 volts, on surface/ recess, complete with fitted copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator Make L&T, Legrand/Heglar as approved by Engineer-in-charge.					0
12.01	8 way . Double door	2	1892	Rupees One thousand eight hundred ninety two only.	Each	3784
12.02	12 way . Double door	1	2257	Rupees Two thousand two hundred fifty seven only.	Each	2257
13	Supplying and fixing PVC batten/ angle holder including connections etc. as required.	9	47	Rupees Forty seven only.	Each	423
14	Supplying and fixing LED Lamp 9 watts E-27 base in the existing batten holder/pendent holder .	9	190	Rupees One hundred ninety only.	Each	1710
15	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 phonetic laminated sheet cover on the fan box and earthing etc. as required. - Usha Tech plus Bajaj ultima, Havell velocity not less than three star as approved by Er-in-charge. Usha Tech plus Bajaj ultima, Havell velocity not less than three star as approved by Er-in-charge.					0
15.01	Ceiling Fan 1200 mm sweep	6	2895	Rupees Two thousand eight hundred ninety five only.	Each	17370
15.02	Ceiling Fan 1400 mm sweep	1	2474	Rupees Two thousand four hundred seventy four only.	Each	2474
16	Providing and installation exhaust fan of 300 mm sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required. Make- Usha, Bajaj, Crompton or as approved by Er-in-charge					0
17	EXHAUST Fan Light duty 300 mm sweep	4	2285	Rupees Two thousand two hundred eighty five only.	Each	9140



18	Supply and fixing exhaust fan lower shutter for 300/380mm exhaust fan on the existing wall painting including 12 mm thick wooden ply board for suitable size of exhaust fan hole.	4	993	Rupees five hundred ninety three only	Each	2372
19	Supplying and fixing Aluminium batten LED 20 watt, 6000K, and it should be compatible with specification i.e. Power Factor > 9, Harmonic Distortion<10%, and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- panasonic (Model -PHIM1K203) /Philips,Jaquar or its equivalent as approved by Engineer-in-Charge (Five YEAR WARRANTY)	13	452	Rupees four hundred fifty two only.	Each	5876
20	Supplying and fixing surface round type LED 12 watt, 6500K, (Five YEAR WARRANTY) and it should be compatible with specification i.e. Power Factor > 9, Harmonic Distortion<10%, and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- Panasonic (Model -PDLMI0206HR)/Philips, wipro or its equivalent as approved by Engineer-in-Charge	8	837	Rupees Eight hundred thirty seven only.	Each	6696
21	Providing and installation of following type of LED batten with five year warranty aluminium housing and glare polycarbonate diffuser and energy efficient constant current, integrated electronic driver, suitable for input voltage: AC 220/240 V, 50/60Hz, complete with all accessories, including mounting clamps, connections, testing etc. as required Make Wipro code (LI 20-111-xxx-65 NED*)/Philips, Panasonic as approved by Engineer-in-Charge.					0
21.01	LED Batten Light 10W (mirror light)	5	571	Rupees Five hundred seventy one only.	Each	2855
22	Supplying and fixing T8 long ball suitable for single phase, 230 watts, complete as required.	4	224	Rupees Two hundred twenty four only.	Each	896
23	Supplying and fixing streetlight LED 25 watt with G1 bracket die cast Aluminium housing with frame and tempered glass, pipe mounting 5700K, (Five YEAR WARRANTY) and it should be compatible with specification e.i. Power Factor > 9, Harmonic Distortion<10%, and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make - Jaquar (Model -LPCRSR125WLC)/Philips,wipro or its equivalent as approved by Engineer-in-Charge	4	2750.00	Rupees Two thousand seven hundred fifty only.	Each	11000
24	Providing and fixing following railing and breaking capacity MCCB with thermomagnetic release and terminal spreaders in existing cable panel board including drilling holes in cable panel, making connections, etc. as required Make:- L&T Cat. No. (CM979190CH200) A1 egrund/Jaguar , as approved by Engineer-in-charge.					0



24.01	63 A, 36 KA, 4 Pole	1	8880	Rupees Eight thousand eight hundred eighty only.	Each	8880
25	Supplying and fixing copper strip bus-bars suitable for 63 Amp, 415 volts capacity 4 No. each of cross-sectional area (25.4mmx3.17mm) in the existing enclosure with all accessories including connectives etc. as required.	1	3680	Rupees three thousand six hundred eighty only	Permit.	3680
26	Earthing with Earth pipe 4.5 cmtr long, 140 mm dia, including accessories and providing 140mm dia including providing masonry enclosure with cover plate having welding arrangement welding pipe etc. with a ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, shurcoal locke and salt as required.	2	4532	Rupees four thousand five hundred thirty two only.	P/S/E/T	9064
27	Providing and fixing 8 SWG dia copper wire on surface or in recess for loop earthing as required.	27	112	Rupees One hundred twelve only.	Each	3024
28	Supplying and fixing 4 pole MCCB Enclosure with all accessories including connections, as required	1	1740	Rupees One thousand seven hundred forty only.	Each	1740
	<b>TOTAL</b>					<b>242953</b>

  
 Executive Engineer,  
 Electrical Division,  
 HP PWD, Una.



# DRAFT SCHEDULE OF QUANTITY

Job No. 22  
Estimated Cost:- Rs. 2,37,147/-  
Earnest Money:- Rs.5,000/-  
time Limit:- Six Months.

Name of work :- C/O New Canteen at Govt. College Beera, Dist. Una (HP) (SH:- Providing E.L. therein)

Sr. No.	Description	Quantity	Rate	In words.	Unit	Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit and earthing the light point with 1.5 Sq.mm. HRRF/S/PVC insulated single core copper conductor cable as required.(Finolex,KEI,Anchor,L&T make)					
1.01	Group - C	29	1741	Rupees One thousand seven hundred forty one only.	Each	50489
2	Wiring for power plug with 2x4 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 1 No.4 Sq.mm. HRRF/S/PVC insulated single core copper conductor cable for earthing as required.(Make :- KEI/Anchor/SSK)	30	453	Rupees four hundred fifty three only.	Pintr.	13590
3	Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.4 Sq.mm. HRRF/S/PVC insulated single core copper conductor cable for earthing as required.(Make :- KEI/Anchor/SSK)	25	742	Rupees seven hundred forty two only.	Pintr.	18550



4	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HRRF/S/PVC insulated single core copper conductor cable of same size for earthing as required.(Make :- KEI/Anchor/SSK)					
4.01	2x1.5 Sq. mm.	78	319	Rupees three hundred nineteen only.	P/mtr.	24882
4.02	2x10 Sq. mm.	2	812	Rupees Eight hundred twelve only.	P/mtr.	1624
5	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 :- KEI/Anchor/SSK)					
5.01	3x1.5 Sq. mm.	28	111	Rupees One hundred eleven only.	P/mtr.	3108
5.02	6x1.5 Sq. mm.	25	215	Rupees Two hundred fifteen only.	P/mtr.	5375
6	Supplying and fixing following rating P/T switch/socket in the existing switch box / cover plate including connections etc. as required. (SSK,L&T,Anchor make)					
6.01	SP. 5/ 6 Amps. one way P/T Switch	8	52	Rupees fifty two only.	Each	416
6.02	5 pin. 5/ 6 Amps P/T socket outlet.	8	75	Rupees Seventy five only.	Each	600
7	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps, piano type switch, connections, painting etc. as required.	2	283	Rupees Two hundred eighty three only.	Each	566



8	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 6 pin 15/16 amps socket outlet and 15/16 amps, plate type switch, connections, painting etc. as required.	2	486	Rupees four hundred eighty six only.	Each	972
9	Supplying and fixing bakelite button/angle holder including connections etc. as required:- (SSK, Anchor make)	2	97	Rupees Ninety seven only.	Each	194
10	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:- (Make :- L&T/Legrand/Schneider)					
10.01	Single pole, 6 Amps, Cat-A.	5	230	Rupees Two hundred thirty only.	Each	1150
10.02	Single pole, 16 Amps, Cat-A.	2	230	Rupees Two hundred thirty only.	Each	460
11	Supplying and fixing of following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required:- (Make :- L&T/Legrand/Schneider)					
11.01	Double pole, 40 Amps, Cat-A.	1	452	Rupees four hundred fifty two only.	Each	452
12	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. (Make :- L&T/Legrand/Schneider)					
12.01	40 Amps, Cat-A.	1	2705	Rupees Two thousand seven hundred five only.	Each	2705




13	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with lined copper bus-bar, 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:-(Hager,ABB,LETT make)					
13.01	Double door-12 way	1	2149	Rupees Two thousand one hundred forty nine only.	Each	2149
14	Providing, Installation, testing and commissioning of ceiling fan without step type fan regulator modular, air delivery 215 m <sup>3</sup> /min power input 30 watts speed 330 RPM,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:-(Usha-Techniplex BEE 3 Star rated model)or its equivalent make)					
14.01	Ceiling Fan 1200 mm sweep, Category-A	10	2964	Rupees Two thousand nine hundred sixty four only.	Each	29640
15	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required:- (Usha - SPH Turbo HDEF 900 RPMISI or its Equivalent make)					
15.01	Exhaust Fan, Heavy duty, 300 mm sweep	3	4063	Rupees Four thousand sixty three only.	Each	12189
16	Supplying and fixing Fan box of M.S.sheet with iron rod hook 12 mm.in place of junction box complete as required.	10	45	Rupees Forty five only.	Each	450
17	Supplying and fixing exhaust fan louver shutter for 300 mm.exhaust fan on the existing wall,painting etc. as required.	3	562	Rupees Five hundred sixty only.	Each	1686



18	Supply and fixing of IP40 Led fixture 40 W with Surface Mounted 4 Feet with Polycarbonate diffuser with aluminium housing minimum lumen output 4000 lumens with P.F.>0.95 with THD<10%, CRI 80, Surge Protection 2 Kv with IP Protection of IP20 .The LEDs with minimum life of 50000 burning hours.The LED shall be tested with LM80-08 standard with Useful life of 50000 Hrs at L70. The LEDs used in the luminaire shall have CCT of ANSI Bin 5700 K with CRI of minimum 80. LEDs used must be tested as per EN62471 for Photobiological Safety of humans. The Input voltage range shall be 150V to 270V , Driver Output voltage shall be less than SELV Limits for safe operation and maintenance. Wipro Cat. No LD24-541-XXX-57-XX or Equivalent in Philips : BN308C LED40S-6500 L120 PSU WH or Trilux:TRL-X F OTA 4000-857 ET	16	3004	Rupees Three thousand four only.	Each	48064
19	Supply& Fixing of led fixture 18 W LED Surface Mounted Downlighter Round Shape with minimum system lumen efficacy of 90 lm/W with and P.F.>0.95 with THD<20%, CRI 80. The LED shall be tested with LM80-08 standard with Useful life of 50000 Hrs at L70. The LEDs used in the luminaire shall have CCT of ANSI Bin 6000 K with CRI of minimum 80. LEDs used must be tested as per EN62471 for Photobiological Safety of humans. The Input voltage-range shall be 150V to 270V . Fixture have Surge Protection 2kV .Driver Output voltage shall be less than SELV Limits for safe operation and maintenance. Wipro Cat. No LD80-171-XXX-60-SM or Equivalent in Philips: SM251C LED20S- 6500 PSU WH or Trilux: Ambilight IND D LED1000-860 ET 01 ET or LT :	1	2838	Rupees Two thousand eight hundred thirty eight only.	Each	2838
20	Supplying and fixing LED Lamp 9 watts 6500 K E-27 ,900 Lumens 240 volts AC, supply 50 HZ in the existing batten holder,pendent holder, wall bracket & bulk head fitting etc, as required.(Ttiva cat. No.AL946611X/Panasonic/Philips make)	2	256	Rupees Two hundred fifty six only.	Each	512



21	Providing and fixing LED Street light 25 watts aluminium die cast housing, with Polycarbonate LENS for uniform light distribution, AC 85-270 volts with 4MV electric surge,lumen 2400,available color temperature 6500 K,CRI 80,IP rating 66, up to 10KVA electric surge protection and bracket of steel conduit pipe 32 mm, complete with all accessories,connections,testing and commissioning etc,as required. (Wipro LR02-291-XX-57-XX/Chair/Philips make)	2	4361	Rupees Four thousand three hundred sixty one only.	Each	8722
22	Earthing with G.I earth pipe 4.5 mtr. leng and 40mm dia. including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. ( but without charcoal or coke and salt ) complete as required.	1	3351	Rupees three thousand three hundred fifty one only.	P/set	3351
23	Extra for using salt and charcoal for G.I. pipe earth electrode complete as required.	1	1613	Rupees One thousand six hundred thirteen only.	P/set	1613
24	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	20	40	Rupees forty only.	P/mtr.	800
Total :-						237147

  
 Executive Engineer,  
 Electrical Division,  
 HP.PWD., Una.



# DRAFT SCHEDULE OF QUANTITY

Job No. 23

Estimated cost:- Rs. 1,47,263/-

Earnest money:- Rs. 3,000/-

Time Limit:- One year.

Name of work: - Construction of additional accommodation (2rooms alongwith stair) case at Govt. Sr. Sec. School Pirthipur

Tehsil Ghanari Distt. Una HP (SH: - Providing E.L. there in).

Sr. No.	Description of Item	Quantity	Rate In Fig.	In Words.	Unit	Amount
1	Wiring for light point/ fan point / exhaust fan/ call bell point with 1.5 sq.mm. PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (Flexible) copper conductor cable in surface/ recessed steel conduit and earthing the light point with 1.5sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required. (Make:- Legrand , L&T ,Anchor)					
1.01	Group C	29	1755	Ruppes One thousand seven hundred fifty five only.	Each	50895
2	Wiring for power plug with 2x4 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 1 NO. 2 sq.mm. HRFRLS/PV C insulated single core copper conductor cable for earthing as required. (Finolex/Anchor/KEI /Plaza make)	14	460	Ruppes Four hundred sixty only.	Per metre	6440
3	Wiring for power plug with 4x4 sq.mm. PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (Flexible) copper conductor cable in surface/recessed steel conduit along with 2 NO. 4 sq.mm. HRFRLS/PV C insulated single core copper conductor cable for earthing as required. (Finolex/Anchor/KEI /Plaza make)	10	752	Ruppes Seven hundred fifty two only.	Per metre	7520



4	Wiring for circuit/ sub main with following size PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No. HFR/L/S/PVC insulated single core copper conductor cable of same size for earthing as required. (KEL, Anchor, Finolex/Plaza make)					
4.01	2x1.5sq.mm.	38	326	Rupees Three hundred twenty six only.	Per metre	12388
4.02	2x10sq.mm.	1	772	Rupees Seven hundred seventy two only.	Per Meter	772
5	Supplying and Drawing following size of PVC insulated, heat resistant, flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in existing surface/recessed, steel/PVC conduit as required. a) 3x1.5sq.mm. (KEL, Anchor, Finolex make)	12	100	Rupees One hundred only.	Per metre	1200
6	Supplying and fixing following rating Piano-type switch /socket on the existing switch box / cover including connections etc. as required.(SSK/Anchor/L&T)					
6.01	S.P. 5/ 6 Amps one way switch, piano type.	4	54	Rupees fifty four only.	Each	216
6.02	5 pin 5/ 6 Amps socket outlet, porcelain base/ piano type.	4	79	Rupees Seventy nine only.	Each	316
7	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recessed with suitable size phenolic laminated sheet cover in the front including providing and fixing 6 Pin 15/16 amps socket outlet and 15/16-amps piano type switch, connection, painting etc. as required. (SSK/anchor/L&T)	2	529	Rupees Five hundred twenty nine only.	Each	1058
8	Supplying and fixing bakelite batten /angle holder including connections etc. as required.	6	62	Rupees Sixty two only.	Each	372
9	Supplying and erection of 6Amp to 32Amps rating 10 KA breaking capacity, 240 volts 'C' curves miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required, Category-A.(Hager, ABB, L&T make)	5	191	Rupees One hundred ninety one only.	Each	955



10	Supplying and erection of 40/50/63Amps rating 10 KA breaking capacity, 240 volts "C" curves miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required. Double pole Category-A.(Haggar,ABB,L&T make)	1	383	Rupees three hundred eighty three only.	Each	383
11	Supplying and fixing of 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. n) 40Amp Category-A.(Haggar,ABB,L&T make)	1	2294	Rupees Two thousand two hundred ninety four only.	Each	2294
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, detachable gland plate blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required including carriage of material with in all leads and lifts.					
12.01	12 way Double door (Haggar,ABB,L&T make)	1	1731	Rupees One thousand seven hundred thirty one only.	Each	1731
13	Earthing with G.I. earth pipe 4.5 meter long and 40 mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke salt) complete as required.	1	5873	Rupees five thousand eight hundred seventy three only.	Per Set	5873
14	Extra for using salt and charcoal for pipe earth electrode complete as required including carriage of material with in all leads and lifts.	1	2717	Rupees Two thousand seven hundred seventeen only.	Per Set	2717
15	Supplying and laying 6S WG G.I. wire at 0.50 meter below ground level for earth electrode conductor including soldering etc. as required. Including carriage of material with in all leads and lifts.	30	67	Rupees sixty seven only.	Per Metre	2010



16	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:- (Crompton WWHE ISI mark/Usha-Techplus BEE 3star/ Bajaj 3 Star rated model)					
16.01	Ceiling Fan 1200 mm sweep.	8	2872	Rupees Two thousand eight hundred seventy two only.	Each	22976
17	Supplying and fixing fan box made of M.S. sheet with iron rod Hook 12mm in place of junction box complete with Bakelite Round sheet as required.	8	44	Rupees Forty four only.	Each	352
18	Providing and fixing LED surface/pendent mounting Tube fixture 36 watts LED batten anodized aluminium housing PC diffuser with PC end caps, spring steel clamps for surface mounting arrangement and it should be compatible with specifications i.e. Power factor >0.9, Harmonic distortion <10% & efficacy >100 Lumen per watts, CRI >80, 5700 K suitable for input voltage 220-240 Volts, 50 HZ, Length 1175X30X36 mm complete with connections and as per best satisfaction of Engineer-in-Charge complete as required (Panasonic Harrow AI Code No. PBTM08368/Philips/Wipro make)	13	1139	Rupees One thousand one hundred thirty nine only.	Each	14807
19	Providing and fixing LED street light 30watts CCT 5700K, CRI>80, Surge rating 5kv, IP 66, input voltage 140V-270V, 50Hz, A.C Supply with M.S. bracket 62 mm dia with die cast aluminium housing with IP diffuser on the existing pole including connections complete in all respects and best satisfaction of Engineer-in-charge at site ( Panasonic Cal.NoPSTM27308XX/ Philips/Wipro make)	2	4121	Rupees Four thousand one hundred twenty one only.	Each	8242
20	Supplying and fixing of sub main wiring with 10 sq.mm. weather proof twin core aluminium conductor cable on the G.I. bearer wire etc, as required ( Polycab, Havells, Finolex)	40	71	Rupees Seventy one only.	P/mtr.	2840



21	Supplying and fixing LED Lamp 9 watts ,825 Lumens 240 volts AC, supply 50 Hz in the existing batten holder,pendent holder, wall bracket & bulk head fitting etc, as required.(Philips Ace Saver HSN CODE 85395000/ Tisva/ Panasonic make)	6	151	Rupees One hundred fifty one only.	Each	906
	Total					147263

  
 Executive Engineer,  
 Electrical Division,  
 HP.PWD, Una.



# DRAFT SCHEDULE OF QUANTITY

Job No.24

Estimated cost:- Rs. 4,93,500/-

Earnest money:- Rs. 9,900/-

Time Limit:- One Month

NAME OF WORK:- Providing and fixing of Jet diffusers in VRV System at MPCC, Samoorhala, Dist. Una (HP)

Sr. No.	Description of Item	Quantity	Rate Fig.	In words.	Unit	Amount
1	<u>Un-Insulated G.I. Ducting:-</u> Installation Testing and Commissioning of G.I. ducting material as per technical specifications and drawings complete with all fitting, accessories, dampers, vance, take offs, canvas connections transformation. The rate shall include suspension and supporting arrangement with angle iron and dash fasteners, as required complete in all respect (Make:- Tata/Sail)					
101	24 G.	50	1450	Rupees One thousand four hundred fifty only.	P/Sqm.	72500
102	Supplying, Installation Testing and Commissioning of G.I. sheet piece for square ducting plenum for diffuser as required complete in all respect	70	1750	Rupees One thousand seven hundred fifty only.	Each	122500
2	Grills and Diffusers:- Supplying, Installation Testing and Commissioning of of jet diffuser for supply of air, as required complete in all respect.	70	3900	Rupees three thousand nine hundred only.	Each	273000
3	Duct Supplying, Installation Testing and Commissioning of 9 mm. closed cell Nitrile Duct thermal insulation complete with adhesive and black taping, as required complete in all respect (Make:- ACCO/FLEX/paitin/equivalent)	50	510	Rupees Five hundred ten only.	P/Sqm.	25500
Total:-						493500

  
Executive Engineer,  
Electrical Division,  
HPFWD, Una.



# DRAFT SCHEDULE OF QUANTITY

Job No. 09

Estimated cost:- Rs. 1,60,000/-

Earnest money:- Rs. 3,200/-

Time Limit:- Six months.

Name of work : Replacement of Old batteries in 20 KVA UPS System for Chief office Hamirpur Tehsil & Distt Hamirpur HP

S. No.	Description of Items	Quantity	Unit	Rate	Amount
1	Supplying Installation testing and commissioning of 65 AH 12 V SMF Battery inclusive of all charges complete in all respect Make Exide,Amtron,Quanta (three years warranty)	20	Each	8500	170000
2	Providing service from authorised dealer , service includes Repair air filter,clean and tighten all power connections internally and externally , open all doors , drawers, cover for cleaning and restore all doors and covers secured condition. The offline load test the UPS to ensure that the system is completey functional Make sure that no damage to the UPS system during service complete in all respect.	1	Each	10000	10000
	Total				180000
	Less Dismantal credit @Rs. 1000/BATTERY				20000
	Total				160000

Executive Engineer,  
Electrical Division,  
HP.PWD., Una.



# DRAFT SCHEDULE OF QUANTITY

Tab No - 10

Estimated cost:- Rs. 3,70,586/-  
 Earnest money:- Rs. 7,400/-  
 Time Limit:- One year.

Name of work :- C/O Ayurvedic Health Centre building at Saloh, Tehsil Haroli, Distt. Una (HP)/SH :- Proving E.L. therein

S. No.	Description	Quantity	Rate In Fig.	In words.	Unit	Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit and earthing the light point with 1.5 Sq. mm. HFR/LS/PVC insulated single core copper conductor cable as required (Finolox, KEI, Anchor, L&T make)					
1.01	Group C	54	1731	Rupees One thousand seven hundred thirty one only.	Each	93474
2	Wiring for power plug with 2x4 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No. 4 Sq. mm. HFR/LS/PVC insulated single core copper conductor cable for earthing as required (Finolox, KEI, Anchor, L&T make)	53	453	Rupees Four hundred fifty three only.	P/mtr.	24009
3	Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No. 4 Sq. mm. HFR/LS/PVC insulated single core copper conductor cable for earthing as required (Finolox, KEI, Anchor, L&T make)	26	742	Rupees Seven hundred forty two only.	P/mtr.	19292
4	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No. HFR/LS/PVC insulated single core copper conductor cable of same size for earthing as required (Finolox, KEI, Anchor, L&T make)					



4.01	2x1.5 Sq. mm.	30	319	Ruppes three hundred nineteen	Print.	9570
4.02	2x10 Sq. mm.	2	812	Ruppes Eight hundred twelve	Print.	1624
5	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required (Finolex, KEL, Anchor, L&T make)					
5.01	3x1.5 Sq. mm.	52	111	Ruppes One hundred eleven only.	Print.	5772
6	Supplying and fixing following rating P/T switch /socket in the existing switch box / cover including connections etc. as required.(SSK /L&T/Anchor make)					
6.01	S.P. 5/ 6 Amps one way P/T switch.	5	52	Ruppes fifty two only.	Each	260
6.02	5 pin, 5/ 6 Amps socket outlet P/T.	5	75	Ruppes Seventy five only.	Each	375
7	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps, piano type switch, connections, painting etc. as required.	5	283	Ruppes Two hundred eighty three only.	Each	1415
8	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 6 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc. as required.	6	486	Ruppes Four hundred eighty six only.	Each	2916
9	Supplying and fixing bakelite handle/angle holder including connections etc. as required.- (SSK, Anchor make)	8	97	Ruppes: Ninety seven only.	Each	776
10	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required.- (SSK, Anchor make)	1	417	Ruppes Four hundred seventeen only.	Each	417
11	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required.- (Hager, ABB, L&T make)					



11.01	Single pole, 6 to 32 Amps, Cat-A.	14	230	Rupees Two hundred thirty only.	Each	3220
12	Supplying and erection of following rating, double pole 240 volts, Isolator in the existing MCB DB complete with connections etc. as required- (Legrand/Hager/ABB/L&T make)					
12.01	Double pole, 63 Amps, Cat-A.	1	597	Rupees Five hundred ninety seven only.	Each	597
13	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. (Hager, ABB, L&T make)					
13.01	63 Amps, Cat-A.	1	3456	Rupees Three thousand four hundred fifty six only.	Each	3456
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, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required. (Hager, ABB, L&T make)					
14.01	Double door-12 way	2	2290	Rupees Two thousand two hundred ninety only.	Each	4580
15	Earthing with G.I. earth pipe 4.5 mtr. long and 40mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. ( but without charcoal or coke and salt ) complete as required.	1	3531	Rupees three thousand five hundred thirty one only.	P/set	3531
16	Extra for using salt and charcoal for G.I. pipe earth electrode complete as required.	1	1613	Rupees One thousand six hundred thirteen only.	P/set	1613
17	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	40	40	Rupees forty only.	P/mtr.	1600




18	Providing, Installation, testing and commissioning of ceiling fan without regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required:- ( Usha-Techniplex BEE 3 Star rated model) /Crompton/Bajaj or its equivalent make)					
18.01	Ceiling Fan 1200 mm sweep, Category-A	8	2964	Rupees Two thousand nine hundred sixty four only.	Each	23712
19	Supplying and fixing Step type fan regulator (Socket type) 100 watts on the existing switch box/cover complete making connections etc,as required.(SSK/Anchor or its equivalent make)	8	487	Rupees four hundred eighty seven only.	Each	3896
20	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:- (Usha - SPH Turbo HDEF 900 RPMISI or its Equivalent make)					
20.01	Exhaust Fan, light duty, 300 mm sweep	1	2505	Rupees Two thousand five hundred five only.	Each	2505
20.02	Exhaust Fan, Heavy duty, 300 mm sweep	3	4063	Rupees Four thousand sixty three only.	Each	12189
21	Supplying and fixing Fan box of M.S. sheet with iron rod hook 12 mm in place of junction box complete as required.	8	45	Rupees forty five only.	Each	360
22	Supplying and fixing exhaust fan louver shutter for 300 mm exhaust fan on the existing wall,putting etc. as required.	4	592	Rupees Five hundred ninety two only.	Each	2368



23	Supply and fixing of IP40 Led fixture 40 W with Surface Mounted 4 Feet with polycarbonate diffuser with aluminium housing minimum lumen output 4000 lumens with P.F.>0.95 with THD<10%, CRI 80, Surge Protection 2 K.v with IP Protection of IP20. The LEDs with minimum life of 50000 burning hours. The LED shall be tested with LM80-08 standard with Useful life of 50000 Hrs at L70. The LEDs used in the luminaire shall have CCT of ANSI Bin 5700 K with CRI of minimum 80. LEDs used must be tested as per EN62471 for Photobiological Safety of humans. The input voltage range shall be 150V to 270V. Driver Output voltage shall be less than SELV Limits for safe operation and maintenance. Wipro Cat. No LL24-541-XXX-57-XX or Equivalent in Philips : BN308C LED40S-6500 L120 PSU WH or Trilux:TRL-X F OTA 4000-857 ET	12	3004	Rupees three thousand four only.	Each	36048
24	Providing and fixing LED surface/pendant mounting Tube fixture 24 watts Jagour make glazed LED batten Cat.No.LGL201X024XN high quality design aluminium extruded decorative end caps as per best satisfaction of Engineer-in-Charge complete as required.	6	876	Rupees Eight hundred seventy six only.	Each	5256
25	Supply& Fixing of led fixture 18 W LED Surface Mounted Downlighter Round Shape with minimum system lumen efficacy of 90 lm/W with and P.F.>0.95 with THD<20% .CRI 80. The LED shall be tested with LM80-08 standard with Useful life of 50000 Hrs at L70. The LEDs used in the luminaire shall have CCT of ANSI Bin 6000 K with CRI of minimum 80. LEDs used must be tested as per EN62471 for Photobiological Safety of humans. The input voltage range shall be 150V to 270V. Fixture have Surge Protection 2kV. Driver Output voltage shall be less than SELV Limits for safe operation and maintenance. Wipro Cat. No LD80-171-XXX-60-SM or Equivalent in Philips: SM251C LED20S-6500 PSU WH or Trilux : Ambella IND D LED1000-860 ET 01 ET or LT :	9	2338	Rupees Two thousand three hundred thirty eight only.	Each	21042
26	Supplying and fixing LED Lamp 9 watts 6500 K E-27 ,900 Lumens 240 volts AC supply 50 HZ in the existing batten holder/pendant holder, wall bracket & bulk head fitting etc, as required. (Toshiba cat. No.AL946611X/Panasonic/ Philips make)	8	256	Rupees Two hundred fifty six only.	Each	2048



27	Providing and fixing LED Street light 60 watts, die cast aluminium housing, AC 85-270 volts, available color temperature 5700 K, CRI 80, IP rating 66, up to 10K VA electric surge protection complete with all Bracket, accessories, connections, testing and commissioning etc, as required. (Wipro Skyline Code No. LR 02 -671-XXX-57-G2/Chair/Philips make)	6	10583	Rupees Ten thousand five hundred eighty three only.	Each	63498
28	Supplying and fixing of IP20 LED Strip light in 25 W in Sinar Speed with CRI>80. The LEDs used in the luminaire shall have CCT of 4000K with CRI of minimum 80 with LM80 tested LEDs driver for strip light should be included. Wipro Cal No LS06-005-120-40-50+LG40-024 or Equivalent in Philips / OSRAM.	6	2692	Rupees Two thousand six hundred ninety two only.	Each	16152
29	Wiring for sub main wiring with 16 sq mm, weather proof twin core aluminium conductor cable on GI bearer wire etc, as required.	45	67	Rupees sixty seven only.	Per mtr.	3015
Total						370586

  
 Executive Engineer,  
 Electrical Division,  
 HPPWD Unit.



DRAFT SCHEDULE OF QUANTITY					Job No. 11	
					Estimated cost:- Rs. 2,82,796/-	
					Earnest money:- Rs. 5,700/-	
					Time Limit:- One year.	
NAME OF WORK :- C/O Way side Amenities at Jogi Panga District Una (H.P.)S.H.-Providing E.L. Therein).						
S. No.	DESCRIPTION	Quantity	Rate In fig.	In words.	Unit	Amount
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, 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.					
1.01	Group C	35 Points	1720	Rupees One thousand seven hundred twenty only.	P/Point	60200
2	Wiring for twin control light point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with 2-way, 5/6 amps. modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.(Make:-Legrand (Myrius),L&T(Oris/Entice), Anchor(Roma plus)					
2.01	Group C	1 Points	1838	Rupees One thousand eight hundred thirty eight only.	P/Point	1838
3	Wiring for power plug with 2x4 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.(Make:-KEL,Anchor,SSK )	35 Meter	453	Rupees Four hundred fifty three only.	P/Mtr	15855



4	Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.4 Sq.mm. HFR/LSPVC insulated single core copper conductor cable for earthing as required.(Make:-KEL,Anchor,SSK )	35	Metre	742	Rupees Seven hundred forty two only.	P/Mtr	25970
5	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HFR/LSPVC insulated single core copper conductor cable of same size for earthing as required.(Make:-KEL,Anchor,SSK )						
5.01	2x1.5 Sq. mm.	75	Metre	319	Rupees three hundred nineteen only.	P/Mtr	23925
5.02	2x10 Sq. mm.	12	Metre	812	Rupees Eight hundred twelve only.	P/Mtr	9744
6	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required.(Make:-KEL,Anchor,SSK )						
6.01	3x1.5 Sq. mm.	52	Metre	111	Rupees One hundred eleven only.	P/Mtr	5772
7	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase,230 volts complete as required:-Makes:-L&T/Anchor/Philips.	1	Nos	742	Rupees Seven hundred forty two only.	Each	742
8	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 (Mynus),L&T(Oris/Enice),Anchor(Roma plus)	7	Nos	643	Rupees Six hundred forty three only.	Each	4501
9	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 (Mynus),L&T(Oris/Enice) ,Anchor(Roma plus)	7	Nos	999	Rupees Nine hundred ninety nine only.	Each	6993



10	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-							
10.01	Single pole. Cat-A. Makes:- L&T/Legrand/Schneider.	11	Nos	230	Rupees Two hundred thirty only.	Each	2530	
11	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.							
11.01	63 Amps. Cat-A. Makes:- L&T/Legrand/Schneider/Havell	1	Nos	566	Rupees Five hundred sixty six only.	Each	566	
12	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.							
12.01	63 Amps. Cat-A. Makes:- L&T/Legrand/Schneider/Havell	1	Nos	3489	Rupees three thousand four hundred eighty nine only.	Each	3489	
13	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:-							
13.01	Double door-16 way. Makes:- L&T/Legrand/Schneider/Havell.	11	Nos	2876	Rupees Two thousand eight hundred seventy six only.	Each	2876	
14	Providing Installation testing and commissioning of ceiling fan with socket size modular size type electronic regulator including wiring the down rods of standard length (Up to 20 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.							
14.01	Ceiling Fan 1200 mm sweep (Make: Usha, Model: Technix Plus)/Bajaj(Model: Sabse Tezz Kassels)/Crompton(Model: WWHE).	5	Nos	3038	Rupees three thousand thirty eight only.	Each	15190	



15	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning including shutter etc. as required:-							
15.01	Exhaust Fan, Light duty, (Domestic) 300 mm sweep Makes:- Usha/Crompton/Anchor	4	Nos	2177	Rupees Two thousand one hundred seventy seven only.	Each	8708	
16	Supplying and fixing LED Flood Light 60 Watt (6000 lumen), 5700K 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, with angle iron frame testing and commissioning etc. including five years warranty as required.							
16.01	Cat No :- WIPRO(LF19-711-060-57-XX-60Watts)/Panasonic/Bajaj or equivalent.	4	Nos.	10779	Rupees Ten thousand seven hundred seventy nine only.	Each	43116	
17	Supplying and fixing Bulk Head LED 10 Watt (1000 lumen), 5700K 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. including five years warranty as required.							
17.01	Get No:- Wipro(LF W07-141-XXX-57-61-10Watts)/Panasonic/Bajaj or Equivalent.	7	Nos.	2101	Rupees Two thousand one hundred one only.	Each	14707	
18	Providing and fixing decorative extruded tube fixture having high quality design suitable for LED tube up to 20 Watt (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. Including five years warranty as required.							



18.01	Car No. :- WIPRO/LI-20-281-XXX-65/AL-1-20W-Tube Light 4 Feet Long/Panasonic/Bajaj or equivalent.	17 Nos.	1257	Rupees One thousand two hundred fifty seven only.	Each	21369
19	Earthing with G.I. earth pipe 4.5 mtr. long and 40mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. ( but without charcoal or coke and salt ) complete as required.	1 Sets	4199	Rupees Four thousand one hundred ninety nine only.	Per Set	4199.00
20	Extra for using salt and charcoal for pipe earth electrode complete as required.	1 Sets	1061	Rupees One thousand sixty one only.	Per Set	1061.00
21	Providing and fixing 6 SWG (4 mm dia.) G.I. wire on surface or in recess for loop earthing as required.	30 Metre	50	Rupees Fifty only.	P/Mtr	1500
22	Wiring for sub main wiring with following sizes of weather proof twin core aluminium conductor cable on G.I. bearer wire etc,as required.					
22.01	10mm sq.	60 Metre	70	Rupees Seventy only.	P/Mtr	4200
23	Supplying and fixing of MS fan box fabricated out of 16 SWG MS sheet and MS round of 12 mm dia,as required complete in all respects.	5 Nos.	90	Rupees Ninety only.	Each	450
24	Supplying and fixing stepped type Modular fan regulator on the existing modular box including making connections etc. as required.(SSK,L&T,Anchor make)	5 Nos.	659	Rupees six hundred fifty nine only.	Each	3295
	<b>TOTAL</b>					<b>283796</b>

*(Signature)*  
**Executive Engineer**  
**Electrical Division**  
**HP PWD Una**



# DRAFT SCHEDULE OF QUANTITY

Job No. 12

Estimated cost:- Rs. 1,95,624/-

Earnest money:- Rs. 3,900/-

Time Limit:- One year.

NAME OF WORK :- Construction of Sub Centre building at Jankour, Distt. Una, (HP) SH :- Providing E.I. therein)

S. No.	Description	Quantity	Rate In Pgs.	In words.	Unit	Amount
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 and earthing the light point with 1.5 Sq. mm. HRFR/S/PVC insulated single core copper conductor cable as required (Finolex, KEL, Anchor, L&T make)					
1.01	Group A.	16	1395	Rupees One thousand three hundred ninety five only.	Each	22320
1.02	Group C.	20	1567	rupees One thousand five hundred sixty seven only.	Each	31340
2	Wiring for light plug with 2x1.5 Sq. mm. 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. 1.5 Sq. mm. HRFR/S/PVC insulated single core copper conductor cable for earthing as required (Finolex, KEL, Anchor, L&T make)	10	319	Rupees three hundred nineteen only.	P/mtr.	3190
3	Wiring for power plug with 2x4 Sq. mm. 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. 4 Sq. mm. HRFR/S/PVC insulated single core copper conductor cable for earthing as required (Finolex, KEL, Anchor, L&T make)	44	453	Rupees Four hundred fifty three only.	P/mtr.	19932



4	Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.4 Sq.mm. HFR/LSPVC insulated single core copper conductor cable for earthing as required.(Finolex,KEL,Anchor,L&T make)	24	742	Rupees Seven hundred forty two only.	P/mtr.	17808
5	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HFR/LSPVC insulated single core copper conductor cable of same size for earthing as required.(Finolex,KEL,Anchor,L&T make)					
5.01	2x1.5 Sq. mm.	33	319	Rupees three hundred nineteen only.	P/mtr.	10527
5.02	2x10 Sq. mm.	3	812	Rupees Eight hundred twelve only.	P/mtr.	2436
6	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required.(Finolex,KEL,Anchor,L&T make)					
6.01	3x1.5 Sq. mm.	25	111	Rupees One hundred eleven only.	P/mtr.	2775
7	Supplying and fixing following rating Piano-type switch /socket on the existing switch box / cover including connections etc. as required.					
7.01	S.P. 5/6 Amps one way switch, piano type.	4	52	Rupees fifty two only.	Each	208
7.02	5 pin 5/6 Amps socket outlet, porcelain base/ piano type.	4	75	Rupees Seventy five only.	Each	300
8	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps, piano type switch, connections, painting etc. as required.	6	283	Rupees Two hundred eighty three only.	Each	1698



9	Supplying and fixing metal box of 180mmx160mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 6 pin 15/16 amps socket outlet and 15/16 amps, pinno type switch, connections, painting etc. as required.	6	486	Rupees Four hundred eight six only.	Each	2916
10	Supplying and fixing bakelite fasten/angle holder including connections etc. as required:- (SSK,Anchor make)	8	97	Rupees Ninety seven only.	Each	776
11	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase,230 volts complete as required:- (SSK,Anchor make)	2	417	Rupees Four hundred seventeen only.	Each	834
12	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-					
12.01	6Amps,Single pole, Cat-A.	6	230	Rupees Two hundred thirty only.	Each	1380
12.02	16Amps,Single pole, Cat-A.	6	230	Rupees Two hundred thirty only.	Each	1380
13	Supplying and erection of following rating, double pole 240 volts, Isolator in the existing MCB DB complete with connections etc. as required:- (Legrand/Hager/ABB/L&T make)					
13.01	Double pole, 63 Amps, Cat-A.	2	597	Rupees five hundred ninety seven only.	Each	1194
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.					
14.01	63 Amps, Cat-A.	2	3456	Rupees three thousand four hundred fifty six only.	Each	6912




15	Supplying and fixing of following way, single pole and neutral sheet steel MCBs 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:-					
15.01	Double door-12 way	2	2290	Rupees Two thousand two hundred ninety only.	Each	4580
16	Earthing with G.I earth pipe 4.5 mtr. long and 40mm dia. including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. ( but without charcoal or coke and salt ) complete as required.	1	3531	Rupees three thousand five hundred thirty one only.	P/set	3531
17	Extra for using salt and charcoal for pipe earth electrode complete as required.	1	1613	Rupees One thousand six hundred thirteen only.	P/set	1613
18	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	35	40	Rupees forty only.	P/mtr.	1400
19	Providing, Installation, testing and commissioning of ceiling fan without step type fan regulator modular, power input 30 watts, speed 330 R.P.M, 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:- ( Usha-Techrisplus ) or its equivalent make)					
19.01	Ceiling Fan 1200 mm sweep, Category-A	6	2964	Rupees Two thousand nine hundred sixty four only.	Each	17784
20	Supplying and fixing Fan box of M.S. sheet with iron rod hook 12 mm. in place of junction box complete as required.	6	45	Rupees forty five only.	Each	270
21	Supplying and fixing Step type fan regulator (Socket type) 100 watts on the existing switch box/cover complete making connections etc. as required (SSK/Anchor or its equivalent make)	6	487	Rupees four hundred eighty seven only.	Each	2922



22	Providing and fixing LED surface/pendent mounting Tube fixture 24 watts Jaqour make glazed LED batten Cat.No LGLZ01 X024XN high quality design aluminium extruded decorative end caps as per best satisfaction of Engineer-in-Charge complete as required.	6	876	Rupees Eight hundred seventy six only.	Each	5256
23	Providing and fixing LED Street light 25 watts aluminium die cast housing , with Polycarbonate LENS for uniform light distribution and bracket of steel conduit pipe 32 mm, complete with all accessories,connections,testing and commissioning etc.as required. (Wipro LR02-291-XXX-57-XX/Clair/Philips make)	3	4361	Rupees Four thousand three hundred sixty one only.	Each	13083
24	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:- (Usha - SPH Turbo HDEF 900 RPMISI or its Equivalent make)					
24.01	Exhaust Fan, Light duty, 300 mm sweep	4	2505	Rupees Two thousand five hundred five only.	Each	10020
25	Supplying and fixing exhaust fan louver shutter for 300 mm.exhaust fan on the existing wall,painting etc, as required.(National or its equivalent make)	4	592	Rupees Five hundred ninety two only.	Each	2368
26	Supplying and fixing of Bulk head fitting LED 10 watts and suitable for input voltage 220-240 Volts,50 HZ, Length 232x Width 105x Height 50 mm size complete with connections etc.as required.(Panasonic Ellipito Code No.PBHM01107/Philips/ Decon or its equivalent make )	1	1383	Rupees One thousand three hundred eighty three only.	Each	1383
27	Supplying and fixing LED Lamp 9 watts 6500 K E-27 ,900 Lumens 240 volts AC,supply 50 HZ, in the existing batten holder,pendent holder, wall bracket & bulk head fitting etc, as required.(Tisva cat No.AL946611X/Panasonic/Philips make)	8	256	Rupees Two hundred fifty six only.	Each	2048



28	Supply and fixing of 2ft Led Batten 10 W surface mounted with polycarbonate diffuser and with extruded aluminium housing/polycarbonate housing. The Input voltage range shall be 150V to 270V . Driver Output voltage shall be less than SEL V Limits for safe operation and maintenance. Wipro Cal. NoLL20-111-XX-65NE3 or Equivalent in Philips : BN 021 LED10S- 6500 PSU GR SI or Trilux TRL-X F OTA 2000-857 ETor LT	2	720	Rupees Seven hundred Twenty only.	Each	1440
Total:-						195624

  
 Executive Engineer,  
 Electrical Division,  
 HPPWD Usa.



## DRAFT SCHEDULE OF QUANTITY

Job No. 13

Estimated cost:-Rs. 1,51,982/-

Earnest money:- Rs. 3,100/-

Time Limit:- Six months.

Name of Work:- A/R M/O in various Govt. Non Residential Building under ESD Bilaspur H.P (SH:-Providing & Fixing 2 nos Air Conditioner 1.5 ton capacity in S.E. 10th Circle Office at Bilaspur in Distt. Bilaspur H.P.

S. No.	Description	Quantity	Rate In Fig.	In words.	Unit	Amount
1	Supplying and fixing 1.5 ton inverter split type air conditioner Hot and Cold with voltage stabilizer 150 V TO 290 V, advanced filter, E saver mode, quit mode, dual display, auto clean, anti bacteria filter jet Cool on/off timer sleep mode compressor cord less remote complete in all respect as per comprising to ISI with latest amendment suitable to operate on 230 volt /240 volt + _ 10 % AC supply capable to perform the function of cooling dehumidification air circulation ventilation and fitting in size of nominal cooling capacity and drain pipe 20 mm dia approximately 3mts long 2 nos copper pipe with insulator for inlet and outlet approximately 3 mtrs long and M.S power coated frame/stand for erection of out door unit of split type A.C including carriage of material with in all leads and lift. Make -Daikin (model:FTHT50). O General/Mitsubishi or equivalent as approved by the Engineer Charge.	2	75991	Rupees Seventy five thousand nine hundred ninety one only.	Each	151982
TOTAL						151982

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# DRAFT SCHEDULE OF QUANTITY

Job No. 14

Estimated cost:- Rs. 2,15,868/-

Earliest money:- Rs. 4,400/-

Time Limit:- Six months

Name of work :- Replacement of Switch Modular in place of F/T, Ceiling fans, Tube fixtures, Geysers etc in Distt. & Session Judge residence Lina, Distt. Lina (H.P)


S. No.	Description	Quantity	Rate In Fig.	In words.	Unit	Amount
1	Wiring for power plug with 2x4 Sq. mm. PVC insulated heat resistant flame retardant (HRE/R) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.4 Sq. mm. HRE/R/S/PVC insulated single core copper conductor cable for earthing as required. (Finolex, KEL, Anchor, L&T make)	35	278	Rupees Two hundred seventy eight only.	P/mtr.	9730
2	Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRE/R) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 2 No.4 Sq. mm. HRE/R/S/PVC insulated single core copper conductor cable for earthing as required (Finolex, KEL, Anchor, L&T make)	15	404	Rupees Four hundred four only.	P/mtr.	6060
3	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRE/R) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required. (Finolex, KEL, Anchor, L&T make)					
3.01	3x1.5 Sq. mm.	58	137	Rupees One hundred thirty seven only.	P/mtr.	7946
3.02	6x1.5 Sq. mm.	20	253	Rupees Two hundred fifty three only.	P/mtr.	5060
4	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required L&T/Anchor/SSK make)					
4.01	S.P. 5/6 Amps one way Modular switch.	135	149	Rupees One hundred forty nine only.	Each	20115
4.02	5 pin, 5/6 Amps Modular socket outlet.	43	203	Rupees Two hundred three only.	Each	8729
5	Supplying and fixing G.L. 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 (L&T/Anchor/SSK make)	24	1051	Rupees One thousand fifty one only.	Each	25224



6	Supplying & fixing of G.I. modular boxes of following sizes along with modular base and cover plate for modular switches in recess as required:- (L&T/Anchor/SSK make)					
6.01	2 modules	16	246	Rupees Two hundred forty six only.	Each	3936
6.02	4 modules	2	361	Rupees Three hundred sixty one only.	Each	722
6.03	6 modules	13	493	Rupees four hundred ninety three	Each	6409
6.04	12 modules	16	837	Rupees Eight hundred thirty seven only.	Each	13392
7	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase 230 volts complete as required:- (SSK, Anchor make)	1	417	Rupees Four hundred seventeen only.	Each	417
8	Providing and installation of stationary storage type Electric water heater (Geyser) vertical 25 ltrs capacity by means of Expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of Non-return valve, Dead weight safety valve, 2 No C.P. connection rods 18" long, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required:- (Jaquar Erika Digital EDR-WHT-V025/Recoild make)	1	18549	Rupees Eighteen thousand five hundred forty nine only.	Each	18549
9	Supplying and fixing stepped type Modular fan regulator on the existing modular box including making connections etc. as required (SSK, L&T, Anchor make)	14	866	Rupees Eight hundred sixty six only.	Each	12124
10	Providing, Installation, testing and commissioning of ceiling fan without step type fan regulator modular, air delivery 215 m3/min power input 30 watts speed 330 RPM, 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:- (Havells make Astura model) (or its equivalent make)					
10.01	Ceiling Fan 1200 mm sweep, Category-A	9	4193	Rupees Four thousand one hundred ninety three only.	Each	37737
11	Providing, Installation, testing and commissioning of ceiling fan without step type fan regulator modular, air delivery 215 m3/min power input 30 watts speed 330 RPM, 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:- (Usha-Subee Tex 3 Star rated model) (or its equivalent make)					
11.01	Ceiling Fan 1200 mm sweep, Category-A	5	2964	Rupees Two thousand nine hundred sixty four only.	Each	14820



12	Supplying and fixing Exhaust fan (Plastic) with lower shutter 300 mm, 1000 RPM, 1125 Air Delivery (CMMD) on the existing opening hole making proper hole and providing 6 mm ply board cover complete with connections etc. as required.(Bajaj Make)	4	2171	Rupees Two thousand one hundred seventy one only.	Each	8684
13	Supply and fixing of 28 Led Batten 10 W surface mounted with polycarbonate diffuser and with extruded aluminium housing/polycarbonate housing minimum lumen output 1000 lumens P.F.>0.95 with THED<20%, CRI 80, Surge Protection 2 Kv with IP Protection of IP20. The LEDs with minimum life of 50000 The LEDs used in the luminaire shall have CCT of ANSI Bin 65000 K with CRI of minimum 80. LEDs used must be tested as per EN62471 for Photobiological Safety of humans. The input voltage range shall be 150V to 270V. Driver Output voltage shall be less than SELV limits for safe operation and maintenance. Wipro Cal. No.L20-111-XX-65NE3 or Equivalent in Philips: BN 021 LED105- 6500 PSU GR S1 or Trilux:TRL-X F OTA 2000-857 EFor LT	2	720	Rupees Seven hundred twenty only.	Each	1440
14	Providing and fixing LED surface/pendent mounting Tube fixture 24 watts Jaquar make glazed LED batten Cal.No.LGL201X024XX high quality design aluminium extruded decorative end caps as per best satisfaction of Engineer-in-Charge complete as required.	8	876	Rupees Eight hundred seventy six only.	Each	7008
15	Supplying and fixing LED Lamp 9 watts 6500 K E-27 ,900 Lumens 240 volts AC supply 50 HZ in the existing batten holder/pendent holder, wall bracket & bulk head fitting etc. as required.(Tissa cal. No. AL 940611X/Tanasonic/Philips make)	5	256	Rupees Two hundred fifty six only.	Each	1280
16	Supplying and fixing of Bulk head fitting LED 10 watts and it should be compatible with specifications i.e. Power factor >0.9, luminous distortion <10% & efficacy >100 lumen per watt, CRI >80, 6500 K suitable for input voltage 220-240 Volts, 50 HZ, Length 232x Width 105x Height 50 mm size complete with connections etc. as required.(Panasonic Elipho Code No.PH1HN101107/Philips/Jaquar/Tissa make)	2	1383	Rupees One thousand three hundred eighty three only.	Each	2766
17	Wiring for sub main wiring with following sizes of weather proof twin core aluminium conductor cable on G.I. bearer wire etc.as required.	60	62	Rupees sixty two only.	Point.	3720
	<b>Total :-</b>					<b>215868</b>

  
 Executive Engineer,  
 Electrical Division,  
 HPPWD Una.



## DRAFT SCHEDULE OF QUANTITY

Job No. 15

Estimated cost:- Rs.1,26,298/-

Earnest money:- Rs. 2,600/-

Time Limit:- Six months.

Name of work - Providing power supply for Tower AC in Lecture Hall at Dr. RKGMC Hamirpur Distt Hamirpur (H.P)


S. No.	Description of Items	Quantity	Rate Fig.	In words.	Unit	Amount
1	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
1.01	15 amp MCB TP	4	1195	Rupees One thousand one hundred ninety five only.	Each	4780
2	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
2.01	15 amp MCB TPN	4	1593	Rupees One thousand five hundred ninety three only.	Each	6372
3	MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, inter- connections, powder painted including earthing etc. as required. (But without MCB/RCCB/ Isolator, Make:- L&T, ABB, Heggar.					
3.01	MCB DB 4 WAY	4	1748	Rupees One thousand seven hundred forty eight only.	Each	6992



4	Supplying and fixing of VERTICAL TPN DB 6 way, sheet steel MCB distribution board 415 Volt on surface /recess with provision to mount MCCB as inconnet with provision of 125 amp insulated phase bus bar /neutral bar with stroud/s /earth bar sticking saddles cement spill protector /colour coded interconnected wire set /cable ties/blanking plate and circuit identification labels .SP/TP MCB as out going .Powder painted including earthing etc as required.MAKE:-L&T (code- DBVTLO036DD)/ Legrand,Hager , or its equivalent as approved by Engineer-in charge.	1	13580	Rupees thirteen thousand five hundred eighty only.	Each	13580
5	Providing, laying and fixing of PVC round sheathed 6 core 4sqmm copper conductor flexible cable for voltage grade up to 1100 volt , on surface/recess PVC conduit as required complete in all respect. Make :-Fimolex/Havell/Polycab/KEI or it equivalent.	90	491	Rupees four hundred ninety one only.	MTR	44190
6	Providing, laying and fixing of PVC round sheathed 5 core 2.5sqmm copper conductor flexible cable for voltage grade up to 1100 volt , on surface/recess PVC conduit as required complete in all respect. Make :-Fimolex/Havell/ Polycab/KEI or it equivalent.	20	334	Rupees three hundred thirty four only.		6680
7	1-21 Supplying and fixing of following sizes of Heavy class PVC conduit wall thickness minimum 2.0 mm along with accessories insurface/recess including painting in case of surface conduit, or cutting the walland making good the same in case of recessed conduit as required. MAKE:- BEC,DIPLAST,AKG	75	139	Rupees One hundred thirty nine only.	Meter	10425



8	Supplying and fixing of DLP U PVC of size 105x30 mm adaptable trunking on the existing wall at required height from lower level for power connection, light connection and net working connection including partition chip flexible cover end cap. Make:- Legrand, MK, or its equivalent as required complete in all respect.	10	1407	Rupees One thousand four hundred seven only.	Meter	14070
9	Supplying and fixing of 4 pole MCCB 63Amp Ics = 100% ICU, 25KA @ 415 volts, 50 Hz with thermal magnet in release complete with connection, testing and commissioning etc as required. Make:- L&T, Legrand, Hager, or its equivalent as approved by Engineer-in-charge.	1	9711	Rupees Nine thousand seven hundred eleven only.	Each	9711
10	Providing & Laying of one number aluminium conductor, PVC insulated and PVC sheathed armoured/ XLPE power cable, 11 KV grade of following sizes on wall surface as required. Make:- KEL, POLYCAB, PLAZA or its equivalent as approved by Engineer-in-charge					
10.01	Armoured cable 16 sq. mm (four core)	20	444	Rupees Four hundred forty four only.	MTR	8880
11	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC sheathed /XLPE aluminium conductio cable of 1.1kv grade as required					
11.01	4x16 sq mm(28 mm)	2	309	Rupees three hundred nine only.	Each	618
	<b>Total</b>					<b>126298</b>

  
 Executive Engineer,  
 Electrical Division,  
 HPPWD Uma.



## DRAFT SCHEDULE OF QUANTITY

Job No. 16

Estimated cost:- Rs. 3,57,781/-

Earnest money:- Rs. 7,200/-

Time Limit:- One year.

NAME OF WORK:- C/O Health Sub Centre with Residence at Dharog Tehsil Hamirpur Dist. Hamirpur (HP) (SH:- Prov. E.L. therein )

S. No.	Description of Items	Quantity	Rate in fig.	In words.	Unit	Amount
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 heavy duty pvc conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Make :-Anchor (Roma classic ), L&T(Entice), Legrand (Myrius) pvc conduit Diplast, AKG, BEC, POLY India or its equivalent as approved by Er-In-Charge					
1.01	Group A.	21	922	Rupees Nine hundred twenty two only.	Point	19362
1.02	Group C	25	1187	Rupees One thousand one hundred eighty seven only.	Point	29675
2	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed heavy duty PVC 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. Make :-Anchor (Roma classic ), L&T(Entice), Legrand(Myrius) or its equivalent as approved by Engineer-in-charge.					0
2.01	Group A.	2	1379	Rupees lone thousand three hundred seventy nine only.	Point	2758
2.02	Group C.	2	1379	Rupees One thousand three hundred seventy nine only.	Point	2758



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 PVC conduit heavy as required. Make:-Plaza, KEL, Finolex & pvc conduit pipe AKG, BEC, Diphas, Poly India or its equivalent as approved by Er-In-Charge					0
3.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	95	199	Rupees One hundred ninety nine only.	Meter	18905
3.02	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	12	575	Rupees Five hundred seventy five only.	Meter	6900
4	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. Make:-Plaza, KEL, Finolex or its equivalent as approved by Er-In-Charge.	45	318	Rupees three hundred eighteen only.	Meter	14310
5	Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit alongwith 1 No 4 sq.mm FRLS PVC insulated copper conductor single core cable for loop earthing as required. Make:-Plaza, KEL, Finolex or its equivalent as approved by Er-In-Charge.	25	533	Rupees Five hundred thirty three only.	Meter	13325
6	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel PVC conduit as required.					0
6.01	STD 3 X 1.5 sq. mm	30	97	Rupees Ninety seven only.		2910
6.02	S/D 3 X 4 sq. mm	15	190	Rupees One hundred ninety only.	Meter	2850
7	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 , modular socket outlet and 15/16 amp&5 /6, connection etc. as required.. Make :-Anchor (Roma classic ), L&T (Entice), Legrand (Myrtus) or its equivalent as approved by Er-In-Charge.	13	539	Rupees Five hundred fifty nine only.	Each	7267



8	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 3 pin 5/6 amps modular socket outlets and 2 nos 5/6 amps modular switches, connection etc. as required. (For light plugs to be used in non residential buildings).	3	669	Rupees six hundred sixty nine only.		2007
9	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required					0
9.01	5/6 amp Modular switch	7	76	Rupees Seventy six only.	Each	532
9.02	5 pin 5/6 amp socket outlet	7	130	Rupees One hundred thirty only.	Each	910
10	Supplying and fixing SURFACE 1x4 36 WATT LED . 5700K. (Five YEAR WARRANTY ) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- PANASONIC(Model - PBLM15368MS)/Philips, Wipro or its equivalent as approved by Engineer-in-Charge	6	7341	Rupees Seven thousand three hundred forty one only.	Each	44046
11	Supplying and fixing Aluminium banner LED 36 watt, 6000K and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- panasonic (Model - PBTM14267)/Philips,Jaguar or its equivalent as approved by Engineer-in-Charge (Five YEAR WARRANTY )	3	721	Rupees Seven hundred twenty one only.	Each	2163
12	Supplying and fixing of fancy wall bracket of chrome finish colour with opal glass diffuser made of mild steel, with single holder containing thread type LED lamp holder(s) of all sizes and shapes, complete with all accessories but excluding led lamp including making connections, testing etc. as required. Make:Jaguar ( Model JNL-CHR-mb160275211A) Wipro, Philips or equivalent make	2	1442	Rupees One thousand four hundred forty two only.	Each	2884



13	Supplying and fixing Aluminium battens LED 10 watt, 6500K, and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion <10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- Jaquar (Model) LGI201X010XC/Philips, Panasonic or its equivalent as approved by Engineer-in-Charge (Five YEAR WARRANTY)	4	420	Rupees four hundred twenty only.	Each	1680
14	Supplying and fixing of bulk head fitting LED 12 watt .6500K (Five YEAR WARRANTY) and it should be compatible with specification e.i. Power Factor > .9, Harmonic Distortion <10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make -Panasonic (CAT NO PBHM02127/W/PRO/PHILIPS . or its equivalent as approved by Engineer-in-Charge	4	1881	Rupees One thousand eight hundred eighty one only.	Each	7524
15	Providing and installation of following type of LED retrofit Lamp B-22 holder base with polycarbonate diffuser and aluminium heat sink including connections, testing and commissioning etc. as required; Make JAQUAR, wipro, Philips or its equivalent as approved by Engineer-in-Charge.	6	139	Rupees One hundred thirty nine only.	Each	834
16	Supplying and fixing street light LED 60 watt with G.I bracket die cast Aluminium housing with frame and toughened glass, pipe mounting 5700K. (Five YEAR WARRANTY) and it should be compatible with specification e.i. Power Factor > .9, Harmonic Distortion <10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 -V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make - Jaquar (Model -LSRT015060XW )/Philips/wipro or its equivalent as approved by Engineer-in-Charge.	4	5573	Rupees Five thousand five hundred seventy three only.	Each	22292
17	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C/A.C. single phase 230 volts complete as required:-	2	238	Rupees Two hundred thirty eight only.	Each	476
18	Supplying and fixing PVC batten/ angle holder including connection etc. as required.	4	47	Rupees Forty seven only.	Each	188



19	Supplying and fixing Aluminium battens LED 10 watt, 6500K, and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- Jaquar (Model - LGL201X010XC)/Philips,Panasonic or its equivalent as approved by Engineer-in-Charge (Five YEAR WARRANTY)	4	420	Rupees Four hundred twenty only.-	Each	1680
20	Supplying and fixing surface round type LED 12 watt, 6000K, (Five YEAR WARRANTY ) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- Jaquar (Model - LNRO2R0012SC)/Philips, wipro or its equivalent as approved by Engineer-in-Charge.	4	786	Rupees Seven hundred eighty six only.	Each	3144
21	Supplying and fixing of bulk head fitting LED 12 watt ,6500K (Five YEAR WARRANTY ) and it should be compatible with specification e.i. Power Factor > .9,Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make -Panasonic ( CAT NO PBHM02127/WIPRO/PHILIPS , or its equivalent as approved by Engineer-in-Charge.	3	1881	Rupees One thousand eight hundred eighty one only.	Each	5643
22	Supplying and fixing Aluminium battens LED 26 watt, 6000K, and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- panasonic (Model - PBTM14267)/Philips,Jaquar or its equivalent as approved by Engineer-in-Charge (Five YEAR WARRANTY)	9	721	Rupees Seven hundred twenty one only.	Each	6489




23	Providing, Installation, testing and commissioning of ceiling fan with socket type regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required. Make:- Usha (TECHNIX PLUS 3 star), Bajaj, Crompton or its equivalent as approved by Engineer-in-charge (warranty five year)					0
23.01	1200 mm	6	3788	Rupees three thousand seven hundred eighty eight only.	Each	22728
23.02	900 mm	1	3097	Rupees Three thousand ninety seven only.	Each	3097
24	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:- Usha, Bajaj, Crompton or its equivalent as approved by Engineer-in-charge (Five year warranty)					0
24.01	Exhaust Fan, Light duty, (Domestic) 300 mm sweep	8	2169	Rupees Two thousand one hundred sixty nine only.	Each	17352
25	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required. Make:- Usha (Model 25 L SWH MISTY WITH KIT ), Bajaj, Recold or its equivalent as approved by Engineer-in-charge.	2	12257	Rupees Twelve thousand two hundred fifty seven only.	Each	24514
26	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required. Make:- Usha (Model 10 L SWH MISTY WITH KIT ), Bajaj, Recold or its equivalent as approved by Engineer-in-charge.	2	10182	Rupees Ten thousand one hundred eighty two only.	Each	20364



27	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:- Usha, Bajaj, Crompton or its equivalent as approved by Engineer-in-charge (Five year warranty)	8	2169	Rupees Two thousand one hundred sixty nine only.	Each	17352
28	Supply and fixing exhaust fan lower shutter for 300/380mm exhaust fan on the existing wall painting including 12 mm thick wooden ply board for suitable size of exhaust fan hole.	8	600	Rupees six hundred only.	Each	4800
29	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-	2	1195	Rupees One thousand one hundred ninety five only.	Each	2390
30	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 10 KA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.	20	263	Rupees Two hundred sixty three only.	Each	5260
31	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. 63 AMP -					0
31.01	63 Amps.	2	1195	Rupees One thousand one hundred ninety five only.	Each	2390
32	MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/isolator					0
32.01	Double door-12 way	1	2423	Rupees Two thousand four hundred twenty three only.	Each	2423
32.02	Double door-16 way	1	3017	Rupees Three thousand seven hundred only.	Each	3017
33	Providing and fixing 6 SWG (4 mm dia.) G.I. wire on surface or in recess for loop earthing as required.	15	42	Rupees forty two only.	Meter	630



34	Providing and laying earth connections from earth electrode with 6 SWG G.I. Wire in 15 mm dia. G.I. pipe from earth electrode etc. as required.	10	287	Rupees Two hundred eighty seven only.	Meter	2870
35	Supplying and fixing true power make advanced earthing system having copper pipe 2 meter long 50 mm dia with terminal size 50x6 mm ,internal strip size 25x3 with 25 Kg compound including excavation of pit and refilling the same and making earthing pit cover 13 inch dia as required complete in all respect. make :- True power ,Earth plus,Ashloka or its equivalent as per best satisfaction of Engineer-in-charge.	1	5082	Rupees Five thousand eighty two only.	Each	5082
Total						357781

  
 Executive Engineer,  
 Electrical Division,  
 HP.PWD Una.