



Office of the  
Executive Engineer  
Electrical Division, HP PWD Una  
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No.PW/EDU/CB//TA/Tender/2023-24/-

6648-6688

Dated

20/11/2023

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.

*K. Kaur*  
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, HPPWD 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



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Executive Engineer  
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**\*NOTICE INVITING TENDER\***

Scaled percentage rate tenders are hereby invited by the Executive Engineer, Electrical Division HPPWD Una, in form No.6 & 8 on behalf of Governor of H.P. for the following works from the contractors of appropriate class enlisted with HPPWD (Electrical). The tenders shall be opened on dated **04.12.2023** in the presence of contractors/firms or their authorized representative who wish to be present.

The copy of **Valid enlistment** and renewal certificate alongwith GST No., Pan No., and EPF No. shall be attached with application form. The offer of the tender shall remain open **75 days** from the date of opening of the tenders. The undersigned reserves the right to reject/cancel the tenders without assigning any reason. The tender form will be issued to only those contractors who qualify the criteria after the scrutiny of application forms by the committee constituted for the purpose.

**TIME SCHEDULE OF TENDER**

- |    |                                     |    |                             |
|----|-------------------------------------|----|-----------------------------|
| 1. | Last date of receipt of application | :- | 02-12-2023 up to 1.00 P.M.  |
| 2. | Date of sale of tenders             | :- | 02-12-2023 up to 5.00 P.M.  |
| 3. | Last date of receipt of bids        | :- | 04-12-2023 up to 11.30 A.M. |
| 4. | Date of bid opening                 | :- | 04-12-2023 up to 1.00 P.M.  |

Sr. No.	Name of work	Estimated Cost (In Rs.)	Earnest Money (In Rs.)	Time limit	Cost of form (In Rs.)	Eligible Class of Contractor
1	C/o Junior Engineer HPPWD (B&R) office section Patta at Town Bharari Tehsil Bhoranj Distt Hamirpur HP (SH:- Providing E.I. there in)	79,848/-	1,600/-	One Year.	350/-	Class-D.C
2	C/o Additional Accommodation 08 Nos. Class room with stair and Verandha in Govt. Sr. Secondary School Bhareri Tehsil Bhoranj Distt. Hamirpur (H.P) (SH:- Providing E.I. in 01 No. Examination Hall 2 <sup>nd</sup> Floor therein)	1,95,485/-	3,900/-	One Year.	350/-	Class-D.C
3	Annual Comprehensive Maintenance contract (AMC) of 1Nos. Passenger lift (Johnson make) in circuit house Hamirpur Distt Hamirpur HP.(For the year 2023-24).	1,39,830/-	2,800/-	One Year.	350/-	Specialized Job
4	C/O Library in Combined Office Building at Bhoranj Distt. Hamirpur (H.P) (SH :- Providing E.I. there in )	1,79,988/-	3,600/-	One Year.	350/-	Class-D.C



5	A/R & M/O of various type different capacity Air Conditioning installed in various Rest House under ESD Hamirpur for the year 2023-24 Sunajpur & Nadaun Section (One year from awarded date)	73,418/-	1,500/-	One Year.	350/-	Specialize d Job
6	C/O Toilet Block at Jagdev Memorial Govt. Degree College at Sujampur Distt. Hamirpur (SH:- Providing E.I. therein).	62,650/-	1,300/-	Six Months.	350/-	Class-D,C
7	Replacement of damaged accessories and E.I. in various N.R. Govt. buildings i.e Rest House Hamirpur, Chief Office Hamirpur, 8 <sup>th</sup> Circle Hamirpur, ADR Centre Matani, ADA Office Hamirpur Hamirpur under ESD, Hamirpur Distt. Hamirpur (H.P).	3,99,958/-	8,000/-	Six Months.	350/-	Class-C,B
8	Replacement of Burnt/Damaged Armoured cable in Civil Hospital Nadaun Distt. Hamirpur (H.P).	22,484/-	500/-	One Month.	350/-	Class-D,C
9	C/o 2 Numbers, Type-II Qtrs. with parking for Distt. Welfare office employees at Una. Distt. Una (H.P) (SH:- Prov. E.I. therein )	4,06,602/-	8,200/-	One Year.	350/-	Class-C,B
10	C/O PHC Building at Chamari in Tehsil Bangana Distt. Una (HP) (SH:-Providing E.I. therein).	4,98,881/-	10,000/-	One Year.	350/-	Class-C,B
11	A/R& M/O of different type and capacity of Air Conditioners installed in various Govt. Non Residential buildings under ESD Una (Bangana Section) for the year 2023-2024	89,130/-	1,800/-	One Year.	350/-	Specialize d Job
12	C/O Govt. Degree College building at Haroli, Tehsil Haroli, Distt. Una (SH:- Supplying and Laying of steel conduit in Level 101.45 Admn. Block).	1,44,760/-	29,00/-	Six Months.	350/-	Class-D,C
13	C/O Science Lab. building in Govt. Sr. Secondary School Lalri, Tehsil Haroli, Distt. Una (H.P) (SH:- Providing E.I. therein).	4,99,535/-	10,000/-	One Year.	350/-	Class-C,B
14	Replacement of wires and accessories in Toilet Block of Distt. & Session Judge office Una, Distt. Una (H.P).	44,450/-	900/-	Six Months.	350/-	Class-D,C
15	AR&MO various Non Residence Building Under ESD Bilaspur in Distt Bilaspur (H.P) (SH- Replacement of Damage Electrical accessories in PWD Rest Houses Panjgain Laraghat Namhol Dholra etc)	99,725/-	2,000/-	Six Months.	350/-	Class-D,C
16	C/o Indoor Auditorium Building at Bilaspur in Distt. Bilaspur (HP) (SH:- Balance work of E.I.& UPS System therein.)	4,99,126/-	10,000/-	Six Months.	350/-	Specialize d Job
17	C/o Indoor Auditorium Building at Bilaspur in Distt. Bilaspur (HP) (SH:- Balance work of E.I., UPS & Fire Alarm & Surveillance System therein.)	4,99,900/-	10,000/-	Six Months.	350/-	Specialize d Job



18	C/o Additional Accommodation to PWD Rest House Building at Namhol in Distt. Bilaspur (HP) (SH:- Providing Yard Lighting there in )	2,85,480/-	5,700/-	Six Months.	350/-	Class-D,C
19	Replacement of E.I in D.C Office Building at Bilaspur in Distt. Bilaspur (HP)	4,99,846/-	10,000/-	Six Months.	350/-	Class-C,B
20	C/O Police Station and Residential Accommodation for State Vigilance Department and Anti Corruption Bureau at Hamirpur Distt. Hamirpur (H.P) (SH:- Providing E.I. therein).	3,47,578/-	7,000/-	One Year	350/-	Class-C,B
21	C/O Additional accommodation 2 nos. Class room in Ground & First Floor at Govt. High School Rainsary in Distt Una (HP) (SH:- Providing E.I. therein)	1,75,925/-	3,600/-	One Year	350/-	Class-D,C
22	Construction of additional accommodation ( 02 rooms along with stair) case at Govt. Sr. Sec. School Nakroh Tehsil Ghanari Distt. Una HP (SH:- Providing E.I. there in).	1,31,772/-	2,700/-	One Year	350/-	Class-D,C

#### GENERAL TERMS AND CONDITIONS:-

1. The earnest money in the shape of NATIONAL Saving Certificate time deposit account in any of the post office in HP/FDR or any bank duly pledged in favour of Executive Engineer, HPPWD., Electrical Division Una accompanied with the application for receipt of tender form along with cost of form.
2. The Contractor/Firm should be submitted the all above-mentioned documents (photocopy to be self-attested) with the application for obtaining the tender documents.
3. In case office happens to be closed on any of the above mentioned dates, the bids will be opened on the next working day at same time and venue.
4. The contractors/firms are required to quote their rates clearly both in words as well as in figures, failing which tenders are likely to be rejected.
5. No Person/persons shall be allowed to give the documents with regard to tender unless he/they hold/holds the power of attorney duly registered under law.
6. The tender of those contractors who are registered under H.P. Central Sales Tax Act 1969, GST and who have been cleared all the dues on account of tax will be entertained.
7. The competent authority on behalf of Governor of H.P. reserves the right to reject any or all the tenders received without assigning any reason.
8. The eligible Contractors/Firm should performance certificate for specialized jobs as required.
9. The tendered amount should be within the limit of (+) 5% to (-) 30% as per notification No. PBW(B)A(3)1/2020-1 dated 07.10.2021 shall be applicable for Bid price lower than-10% and more than + 5%. If the Contractors/Firms has quoted bid price lower than 10% the performance guarantee will be deposited before the award of work as per terms & condition of above said notification.

HIM SUCHANA AVAM JANSAMPARK

  
Executive Engineer,  
Electrical Division  
HPPWD, Una

# DRAFT SCHEDULE OF QUANTITY

Job No. 01

Estimated cost:- Rs. 79,848/-

Earnest money:- Rs. 1,600/-

Time Limit:- One year.

Name of work :- C/O Junior Engineer HPPWD (B&R) office section Patla at Town Bharari Tehsil Bhoranj Distt Hamirpur HP (SH:- Providing E.I there in)

Sr. 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 class PVC Conduit having wall thickness minimum 2.0 mm , 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(Emice), Legrand(Myrius) or its equivalent as approved by Engineer-In-Charge.					
1.01	Group - C	10	1221	Rupees One thousand two hundred twenty one only.	Each	12210
2	Supplying and fixing following rating Modular switch /socket on the existing switch box / cover plate including connections but excluding modular plate etc. as required. Make:- Legrand(Myrius), L&T(Emice), Anchor (Roma Classic ) as approved by Engineer-in-charge .					0
2.01	S.P. 5/ 6 Amps one way Modular switch.	2	87	Rupees Eighty seven only.	Each	174
2.02	5 pin, 5/ 6 Amps Modular socket outlet.	2	150	Rupees One hundred fifty only.	Each	300



3	Supplying and fixing suitable size G.I. box with modular plate and cover in front on surface or in recess including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required. Make:- Legrand(Myrius), L&T(ence), Anchor (Roma classic ) as approved by Engineer-in-charge.	2	449	Rupees Four hundred forty nine only.	Each	898
4	Supplying and fixing suitable G.I. box with modular plate and cover in front on surface or in recess including providing and fixing 6 pin 5/6 amps & 15/16 amp modular socket outlet and 15/16 amps, modular switch, connections etc. as required. Make:- Legrand(Myrius), L&T(ence), Anchor (Roma classic ) as approved by Engineer-in-charge.	4	582	Rupees Five hundred eighty two only.	Each	2328
5	Supplying and fixing Computer board comprising 3 nos 5 amp modular switches & Sockets . 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 (Enice), Legrand(Myrius) or its equivalent as approved by Engineer-in-Charge.	2	1615	Rupees One thousand six hundred fifteen only.	Each	3230
6	Writing for circuit/submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed Heavy class PVC Conduit having wall thickness minimum 2.0 mm as required. Make:- Plaza,KEL,Finolex or its equivalent as approved by Engineer-In-Charge					0
6.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	15	203	Rupees Two hundred three only.	Metre	3045
6.02	2 x 4 Sq. mm. + 1X4 sq.mm earth wire	35	322	Rupees three hundred twenty two only.	Metre	11270

7	Supplying and drawing following size of FRLS PVC insulated copper conductor single core cable in existing surface / recessed, Steel/medium class PVC conduit as required. Make:- KEL, Anchor, Plaza as approved by Engineer-in-charge.						0
7.01	3x1.5 Sq. mm.	10	98	Rupees Ninety eight only.		Metre	980
7.02	3x4.0 Sq. mm.	10	219	Rupees Two hundred nineteen only.		Metre	2190
7.03	3x6.0 Sq. mm.	30	333	Rupees three hundred thirty three only.		Metre	9990
8	Supplying and fixing of following sizes of Heavy class PVC Conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed Heavy class PVC Conduit having wall thickness minimum 2.0 mm as required. Diplast/BEC/ Polyfit or its equivalent as approved by Engineer-in-Charge.						
8.01	25 mm. dia	10	112	Rupees One hundred twelve only.		Metre	1120
9	Supplying and fixing Ding dong bell suitable for single phase, 230 volts, complete as required.	2	239	Rupees Two hundred thirty nine only.		Each	478
10	Supplying and erection of 5 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, Hager, ABB or its equivalent as approved by Engineer-in-charge.						0
10.01	Single pole	8	266	Rupees Two hundred sixty six only.		Each	2128
11	Supplying and erection of MCB DP 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:- L&T, Legrand, Hager, ABB or its equivalent as approved by Engineer-in-charge.						0



11.01	Double pole	1	1198	Rupees One thousand one hundred ninety eight only.	Each	1198
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, Hager, ABB or its equivalent as approved by Engineer-in-charge.					0
12.01	63 Amps.	1	3679	Rupees three thousand six hundred seventy nine only.	Each	3679
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, neutral bus bar, earth bar, din-bar, interconnections, and powder painted, including earthing etc. as required. ( but without MCB/RCCB/Isolator) Make:- L&T, Legrand, Hager, ABB or its equivalent as approved by Engineer-in-charge.					0
13.01	Double door-12 way	1	2434	Rupees Two thousand four hundred thirty four only.	Each	2434
14	Supplying and fixing Aluminium batten 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 ).	2	724	Rupees Seven hundred twenty four only.	Each	1448
15	Supplying and fixing PVC batten/jangle holder including connections etc. as required.	3	55	Rupees Fifty five only.	Each	165



16	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.					
16.01	LED Bulb 9W	3	141	Rupees One hundred forty one only.	Each	423
17	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 not less than 3 star rating. (Five warranty year).					
17.01	Ceiling Fan 1200 mm sweep	1	3384	Rupees three thousand three hundred eighty four only.	Each	3384
18	Providing and installation exhaust fan of 300mm (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 (with five year warranty).	1	2866	Rupees Two thousand eight hundred sixty six only.	Each	2866
19	Providing and installation of stationary storage type Electric water heater (Geyser) of 15 Ltrs 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 15 L SWH MISTY WITH KIT ), Bajaj Recold or its equivalent as approved by Engineer-in-Charge (with five year warranty).	1	10982	Rupees Ten thousand nine hundred eighty two only.	Each	10982

20	Supplying and fixing street light LED 45 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 - Panasonic (Model -PSTM23457)/Philips/wipro or its equivalent as approved by Engineer-in-Charge.	1	2928	Rupees Two thousand nine hundred twenty eight only.	Each	2928
	<b>Total</b>					79848

  
 Executive Engineer,  
 Electrical Division,  
 HPPWD Una.



# DRAC SCHEDULE 11.03 OF ANTI

Job No. 42

Estimated Cost:- Rs. 1,95,485/-  
 Earned Money Rs. 3,900/-  
 Time Limit:- One Year

NOTE: (1) WORKS: (1) Additional Accommodation for Nos. 6 and 7 Rooms with state and verandah in G.S.S.S. Bhawar, Tehsil Bhauran, Dist. Tharmer (H.P.) (SH:- Providing E.L. in 1 No. Examination Hall 2nd floor there in)

Sl. No.	Description of Items	Quantity	Rate	In Fig.	In Words.	Unit	Amount
1	Wiring for light point fan point exhaust fan point cable wall point with 1.5 sq. mm. (R.L.S. PVC insulated copper conductor single core cable in surface / recessed (heavy class) PVC product having wall thickness minimum 2.0 mm. with modular switch modular plate suitable for box and carrying the point with 1.5 sq. mm. (R.L.S. PVC insulated copper conductor single core cable etc. as required. Make:- Anchor (Ruma classic) (L&T) (switch) Legrand/Mitsumi or its equivalent as approved by Engineer-in-charge						
1.01	4 group - 1	46	1175/-	Rs. up to one thousand one hundred seventy five only		Each	44050/-
2	Wiring for two control light point with 1.5 sq. mm. (R.L.S. PVC insulated copper conductor single core cable in surface / heavy class PVC conduit having wall thickness minimum 2.0 mm. 2 way modular switch modular plate suitable for box and carrying the point with 1.5 sq. mm. (R.L.S. PVC insulated copper conductor single core cable etc. as required. Make:- Legrand/Mitsumi, L&T/Tecnicol Anchor (Ruma Classic) as approved by Engineer-in-charge						
2.01	1 group - 1	1	1492/-	Rs. up to one thousand four hundred ninety two only		Each	1492/-
3	Supplying and fixing following rating Modular switch / socket on the existing switch box / lower plate including connections but excluding modular complete etc. as required. Make:- Legrand/Mitsumi, L&T/Tecnicol Anchor (Ruma plus) as approved by Engineer-in-charge						
3.01	N.P. 5/6 Amps one way Modular switch	8	87/-	Rs. up to eighty seven only		Each	696/-
3.02	5 pin 5/6 Amps Modular socket outlet	8	150/-	Rs. up to one hundred fifty only		Each	1200/-
4	Supplying and fixing suitable (1) box with modular plate and cover as shown on surface of in recess including providing and fixing 6 pin 4.5 amp. & 15/16 amp. modular socket outlet and 54/76 amps. modular switch, conductors etc. as required. Make:- Legrand/Mitsumi, L&T/Tecnicol Anchor (Ruma classic) as approved by Engineer-in-charge	2	641/-	Rs. up to Six hundred forty one only		Each	1282/-

5	Supplying and fixing 8 separate board comprising 3 nos 5 amp modular switches & sockets (6) 1 box 2 pin/4 pin and 1) Box 12 pin/24 pin for 5 amp switches and 5 amp sockets comprising steel cover for each 2 module metal box, one no complete and 1) 2.5 sqm sheet including connections etc as required Make - Mather Electric Glass Glass (L.A.) (limited) (Legend) (Mather) or its equivalent as approved by Engineer and Range (1) no	7	1000 (8 boxes & one thousand eight hundred only only)	Each	87200
6	Mounting the electrical distribution wiring amongst the steel box with the following sizes of PVC insulated copper conductors - single core cable or surface insulated heavy class PVC conductors having wall thickness minimum 2.0 mm as required Make - Pylon R.T.I. (Mather) or its equivalent as approved by Engineer and Range				
6.01	2 x 1.5 sq mm + 1 x 1.5 sq mm earth wire	100	2100 (Boxes 7 nos hundred four only)	None	20400
6.02	2 x 4 sq mm + 1 x 4 sq mm earth wire	80	1220 (Boxes three hundred twenty two only)	None	40600
6.03	2 x 10 sq mm + 1 x 6 sq mm earth wire	30	670 (Boxes one hundred seventy nine only)	None	11580
7	Supplying and drawing following size of PVC insulated copper conductors single core cable in existing surface - overhead. Steel medium class PVC conductors as required Make - M.F. Mather. Prices as approved by Engineer and Range				
7.01	2 x 1.5 sq mm	55	900 (Boxes twenty eight only)	None	5400
7.02	1 x 4 sq mm	10	220 (Boxes two hundred twenty only)	None	1300
8	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/0.2 twisted flexible control braided copper cable, including providing and fixing asbestos laminated sheet cover on the fan box and earthing etc as required Make - Lohit 4 (12) (M.F.) (Mather) or its equivalent as approved by Engineer and Range (1) no less than 3 star rating (1) no warranty year				
8.01	1 ceiling fan 1200 mm square (4) approx. 4	14	1500 (Boxes three thousand three hundred eighty four only)	Each	21000
9	Providing and installation of standard fan of minimum (1) plastic body size at the existing opening including making the hole to suit the size of the above fan making good the damage, connections, testing and commissioning etc as required Make - (1) (M.F.) (Mather) or its equivalent as approved by Engineer and Range (1) no warranty	5	2000 (Boxes two thousand eight hundred eighty four only)	Each	8000
10	Supplying and fixing Aluminium Barbed LED 24 wall, ceiling, and it should be compatible with specification of Power factor = 0.9 (minimum) (Minimum 10% and efficiency = 100) (Minimum 200 watt suitable for input voltage AC 220-240 V, suitable complete with all accessories connections, testing and commissioning etc Make - Panasonic (Model - PHLX1200) (M.F.) (Mather) or its equivalent as approved by Engineer and Range (1) no warranty	21	750 (Boxes seven thousand thirty one only)	Each	15330



11	Supplying and fixing PVC button angle holder including connectors etc. as required.	9	80/R uppers 1 upply VR only	1.60	774
12	Providing and installation of following type of (L.D) network lamp 36-22 (wider than 1000 poly-carbonate diffuser and aluminium beam with including connectors, testing and commissioning etc. as required) Make - 18VA 900mm Philips or its equivalent as approved by Engineer-in-charge.				
12.01	(L.D) Lamp 900mm	9	142 (uppers five hundred sixty six only)	1.26	1260
13	Supplying and erection of 5 wires, 10-12 wires, ranging 10 KA breaking capacity, 240 volts, 3 cores, minimum clear height of following poles in the existing N.T. 1200 (wider) with connectors etc. as required Make - L&T, Legrand, Hager as approved by Engineer-in-charge.				
13.01	Single pole 4 in 3	12	266/R uppers Two hundred sixty six only	1.26	3192
14	Supplying and erection of N.T. 1200 (wider) 2000 amp rating, 10 KA breaking capacity, 240 volts, 3 cores, minimum clear height of following poles in the existing N.T. 1200 (wider) with connectors etc. as required Make - L&T, Legrand, Hager as approved by Engineer-in-charge.	1	1198/R uppers One thousand one hundred ninety eight only	2.60	1198
15	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 N.T. 1200 complete with connectors, testing and commissioning etc. as required Make - L&T, Legrand, Hager as approved by Engineer-in-charge.				
15.01	40 Amps 4 in 3	1	2965/R uppers Two thousand nine hundred sixty five only	1.60	2965
16	Supplying and fixing of following with single pole and neutral steel sheet N.T. 1200 distribution board 240 volts, 1000 amp, complete with fused copper bus bar, meter box, bus bar, switch bar, distributor, sub-connectors, and powder painted including earthing etc. as required (but without N.T. 1200 (wider) Make - L&T, Legrand, Hager as approved by Engineer-in-charge.				
16.01	Double door 10 way	1	5092/R uppers three thousand ninety two only	1.25	3092

G. Totals: 195485

  
 Engineer-in-Charge,  
 Electrical Division,  
 HPPWD, 1st fl.

# DRAFT SCHEDULE OF QUANTITY

Job No. 03

Estimated cost:- Rs. 1,39,830/-

Earnest money:- Rs. 2,800/-


Time Limit:- One year.

Name of Work:- Annual Comprehensive Maintenance contract (AMC) of 1 Nos. Passenger lift ( Johnson make) in circuit house Hamirpur Dist Hamirpur HP.(For the year 2023-24).

Sr. No.	Description	Quantity	Unit	Rate In 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 PCBs transducers, resistance, condensers, power amplifier, transformers, contract, leads, dastpots 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-J2338).	1.00	Job	139830.00	Rupees One Lac. Thirty nine thousand eight hundred thirty only.	139830
	TOTAL:					139830

  
 Executive Engineer,  
 Electrical Division,  
 HPPWD., Una.

# DRAFT SCHEDULE OF QUANTITY

Job No. 04

Estimated cost:- Rs. 1,79,988/-

Earnest money:- Rs. 3,600/-

Time Limit:- One year.

Name of work :- C/O Library in Combined Office Building at Bhoranj Dist. Hamirpur (H.P) (SH :- Providing E.I. there in )

Sr. No.	Description of Items	Quantity	Rate 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 class PVC Conduit having wall thickness minimum 2.0 mm . 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) as approved by Engineer-In-Charge.					
1.01	Group C.	20	1209	Rupees One thousand two hundred nine only.	Each	24180
2	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required. Make:-Legrand(Myrius), L&T(Entice), Anchor (Roma Classic ) as approved by Engineer-in-charge .					0
2.01	S.P. 5/ 6 Amps one way Modular switch.	2	87	Rupees Eighty seven only.	Each	174
2.02	5 pin, 5/ 6 Amps Modular socket outlet.	2	150	Rupees One hundred fifty only.	Each	300



3	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required. Make:- Legrand(Myrius), L&T(Entice), Anchor (Roma Classic ) as approved by Engineer-in-charge .	4	449	Rupees Four hundred forty nine only.	Each	1796
4	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required. Make:- Legrand(Myrius), L&T(Entice), Anchor (Roma Classic) as approved by Engineer-in-charge .	4	582	Rupees Five hundred eighty two only.	Each	2328
5	Supplying and fixing Computer board comprising 3 nos 5 amp modular switches & Sockets , 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(Myrius) as approved by Engineer-in-charge .	8	1735	Rupees One thousand seven hundred thirty five only.	Each	13880
6	Wiring for circuit/submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed Heavy class PVC Conduit having wall thickness minimum 2.0 mm as required. Make:- Plaza,KEI,Finolex as approved by Engineer In-Charge.					0
6.01	2x1.5 Sq. mm + 1x1.5 sq.mm earth wire	75	203	Rupees Two hundred three only.	Mtr	15225

6.02	2 x 4 Sq. mm. + 1X4 sq.mm earth wire	40	322	Rupees Three hundred twenty two only.	Mtr	12880
6.03	2x10 Sq. mm. + 1X6 sq.mm earth wire	3	579	Rupees Five hundred seventy nine only.	Mtr	1737
7	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:- KEI, Anchor, Plaza as approved by Engineer-in-charge .					0
7.01	3x1.5 Sq. mm.	50	98	Rupees Ninety eight only.	Mtr	4900
7.02	3x4.0 Sq. mm.	35	220	Rupees Two hundred twenty only.	Mtr	7700
8	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 <sup>2</sup> in 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 as approved by Engineer-in-charge (warranty five year).					0
8.01	Ceiling fan 1200 mm	6	3853	Rupees three thousand eight hundred fifty three only.	Each	23118
9	Providing and installation exhaust fan of 300mm (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 as approved by Engineer-in-charge (with five year warranty).	1	2866	Rupees Two thousand eighty hundred sixty six only.	Each	2866



10	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus- bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required. Make:-L&T, Legrand,Hager, ABB as approved by Engineer-in-charge.					0
10.01	Double door-16 way	1	3027	Rupees Three thousand twenty seven only.	Each	3027
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:-Make L&T, Legrand, Hager, ABB as approved by Engineer-in-charge.					0
11.01	Double pole.	1	1198	Rupees One thousand one hundred ninety eight only.	Each	1198
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, Hager, ABB as approved by Engineer-in-charge.					0
12.01	40 Amps.	1	2966	Rupees Two thousand nine hundred sixty six only.	Each	2966

13	Supplying and erection of 5 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, Hager, ABB as approved by Engineer-in-charge.					0
13.01	Single pole.	12	266	Rupees Two hundred sixty six only.	Each	3192
14	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 $\geq$ 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:- Jaquar (item code:-LGLZ01X024XC), Panasonic, Philips, wipro as approved by Engineer-in-charge.	11	603	Rupees Six hundred three only.	Each	6633
15	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 (Model - LGLZ01X010XC)/Panasonic /PHILIPS ,wipro as approved by Engineer-in-Charge.	1	416	Rupees Four hundred sixteen only.	Each	416
16	Supplying and fixing bakelite batten/angle holder including connections etc. as required:-	1	55	Rupees fifty five only.	Each	55



17	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 as approved by Engineer-in-Charge.					0
17.01	LED Bulb 9W	1	139	Rupees One hundred thirty nine only.	Each	139
18	Supplying and fixing of following sizes of Heavy class PVC Conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed Heavy class PVC Conduit having wall thickness minimum 2.0 mm as required. Make:-Diplast/BEC/Polyfit as approved by Engineer-In-Charge.					0
18.01	25 mm. dia $\phi$	65	112	Rupees One hundred twelve only.	Mtr	7280
19	Supplying and drawing Lan cable Cat -6 solid copper conductor 4 pair protected with PVC Sheathed in existing surface /recessed steel/PVC Conduit as required. Make:- Polycab, Finolex, D-link or its equivalent as approved by Engineer-in-Charge.	160	60	Rupees Sixty only.	Mtr	9600
20	Supplying and fixing of wall mounted 4U 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 (1pkt), 3 socket 5 amp, power distribution unit (1 No) as per product code NWR-4U-5040-GR as required. Make:- D-Link or its equivalent as approved by Engineer-in-charge.	1	4478	Rupees Four thousand four hundred seventy eight only.	Each	4478

21	Supplying and fixing D- link DGS-1016A 16-port 10/100/1000 Base - T Unmanaged standalone gigabit switch in desk top (green ethernet) for getting blazing speed of gigabit 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(Code No DGS-1016A ) Diginlink, Cisco or its equivalent as approved by Engineer-in-Charge.(with five year warranty).	1	7159	Rupees Seven thousand one hundred fifty nine only.	Each	7159
22	Supplying and fixing true power make advanced earthing system having pure 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	11561	Rupees Eleven thousand five hundred sixty one only.	Set	11561
23	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing.	70	160	Rupees One hundred sixty only.	Meter	11200
	<b>TOTAL</b>					<b>179988</b>

  
 Executive Engineer,  
 Electrical Division,  
 HPPWD Una.



**DRAFT SCHEDULE OF QUANTITY**

Job No. 05

Estimated cost:- Rs.73,418/-


Earnest money:- Rs. 1500/-

Time Limit:- One year.

Name of work :- A/R & M/O of various type different capacity Air Conditioning installed in various Rest Houses under ESD Hamirpur(Section Sujampur and Nadaun) for the year 2023-24 (One year from awarded date).

Sr. No.	Description of Items	Quantity	Rate In Fig.	In Words.	Unit	Amount
1	Annual Repair and maintenance (Routine and preventive) of various make type and different capacity split A.C with 4 No Mandatory quarterly service and all emergency break down service as when required from time to time as per the best satisfaction of engineer in charge.					
1.01	The AMC include the following.					
1.02	Compressor, thermostat relay, oil fan, motors (timers, heaters, air damper, ice maker, temperature sensor, evaporator, condenser, refrigerant charging driers, capillary blowers, fan blade, control box, magnetron, Electrical switch, transformer, diode, capacitor, wire harness, repair of stabilizer, wash and spin motor, gear box, clutch, assembly droun inner belts bear & lip seal (drain motor pump) electrical bulb, buzzer suspension key members remote PCB including cost of their replacement.					
1.03	All defective component shall be replaced with compatible working parts and defective par shall be company /firm /contractor property.					
1.04	split type AC 1.5 ton capacity	11	4582	Rupees Four thousand five hundred eighty two only.	Each	50402
1.05	window type AC	4	3616	Rupees three thousand six hundred sixteen only.	Each	14464

2	Supplying and fixing of voltage stabilizer upto 2 A.C. having specification Input voltage range 150-290V ,Digital display,Under voltage Protection,Over voltage protection including connections, testing and commissioning as required: Make:-, Microtek ,(pearl em 5150++Godrej) or its equivalent as approved by Engineer-in-charge(Two year warranty)	2	4276	Rupees Four thousand two hundredsevery six only.	Each	8552
TOTAL						73418

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



# DRAFT SCHEDULE OF QUANTITY

Job No. 06

Estimated cost:- Rs. 62,650/-

Earnest money:- Rs. 1,300/-

Time Limit:- Six months.

Name of work :- C/O Toilet Block at Jagdev Memorial Govt Degree College at Sujapur (SH:-Providing E.I there in)

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 class PVC conduit having wall thickness minimum 2 mm 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.MAKE:-Anchor Penas,SSR,CONA.					
1.01	Group -A	16.00	850	Rupees Eight hundred fifty only.	Each	13600
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 heavy class PVC conduit having wall thickness 2.0mm as required					
2.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	14	199	Rupees One hundred ninety nine only.	Meter	2786
3	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.					
3.01	5/6 amps switch	2	29	Rupees Twenty nine only.	Each	58
3.02	5/6 amps socket	2	54	Rupees Fifty four only.	Each	108
4	Supplying and fixing Aluminium batena LED 24watt, 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 (LGL201X024XN)/Philips,Parasonic,wipro or its equivalent as approved by Engineer-in-Charge	2.00	601	Rupees Six hundred one only.	Each	1202

5	Supply and fixing of backlit non slim surface/recess led downlighter in 9 W +/- 1 W in Round Shape with minimum system lumen efficacy of 100 lm/W and minimum system lumens 900 lumens with Pressure Die cast Aluminium heat sink with and HET diffuser and polycarbonate mounting box P.F.>0.95 ,THD<10%, CCT 5700K/4000K, CRI 80, UGR<23,IP20 protection, The LED with Useful life of 50000 Hrs at L70. The Input voltage range shall be 150V to 270V .Fixture have Surge Protection 3kV .Driver .Make Philips/Wipro/Osram/Jaquar/Juassonic or its equivalent as approved by Engineer-in-Charge.(five year warranty)	6.00	1940	Rupees One thousand nine hundred forty only.	Each	11640
6	Supply of backlit non slim surface/recess led downlighter in 12 W +/- 1 W in Round Shape with with minimum system lumen efficacy of 100 lm/W and minimum system lumens 1200 lumens with Pressure Die cast Aluminium heat sink with and HET diffuser and polycarbonate mounting box P.F.>0.95 ,THD<10%, CCT 5700K/4000K, CRI 80, UGR<23,IP20 protection, The LED with Useful life of 50000 Hrs at L70. The Input voltage range shall be 150V to 270V .Fixture have Surge Protection 3kV .Driver .Make Philips/Wipro/Osram/ or its equivalent as approved by Engineer-in-Charge.(five year warranty)	2	2338	Rupees Two thousand three hundred thirty eight only.	Each	4676
7	Providing and installation exhaust fan of following sizes in the existing opening including making off 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)					
7.01	Exhaust fan light duty 300 mm sweep	6	2169	Rupees Two thousand one hundred sixty nine only.	Each	13014
8	ST lever and shutter for 300mm/350 mm on 12mm thick ply board as required complete trial respect	6	600	Rupees Six hundred only.	Each	3600
9	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. Make:-L&T Cat. No. (CM930870000/AG ),legrand,Hugger , Schneider or its equivalent as approved by Engineer-in -charge.					
9.01	Single pole	2	263	Rupees Two hundred sixty three only.	Each	526
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(five year warranty):-Make :-L&T,legrand,Hugger - Schneider or its equivalent as approved by Engineer-in -charge.	1.00	1195	Rupees One thousand one hundred ninety five only.	Each	1195



11	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(five year warranty). Make:-L&T Cat. No. (CM930070000AG ).Legrand,Hager , or its equivalent as approved by Engineer-in-charge. make:-L&T,Legrand,Hager , Schneider or its equivalent as approved by Engineer-in-charge.					
11.01	6 way, Double door	1.00	1990	Rupees One thousand nine hundred ninety only.	Each	1990
12	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.	1.00	6855	Rupees Six thousand eight hundred fifty five only.	Set	6855
13	Providing and fixing 6 SWG (4 mm dia.) G.I. wire on surface or in recess for loop earthing as required.	10.00	70	Rupees Seventy only.	Meter	700
14	Supplying and laying aluminium 2 core , 10 sqmm Aluminium cable on surface or recess as required.	20.00	35	Rupees thirty five only.	Meter	700
	<b>Total.</b>					<b>62650</b>

  
 Executive Engineer  
 Electrical Division  
 H.P.W.D. Uma-174303

# DRAFT SCHEDULE OF QUANTITY

Job No. 07  
Estimated cost:- Rs. 3,99,658/-  
Earnest money:- Rs. 8,000/-  
Time Limit:- Six months.

Name of work:- Replacement of damaged accessories and E.L. in various NR Govt. buildings i.e Rest house Hamirpur, Chief office hamirpur ,8th circle hamirpur, ADR Centre Matani, ADA office hamirpur under ESD Hamirpur Distt Hamirpur HP

Sr. No.	Description of Items	Quantity	Unit	Rate In Fig.	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 medium 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.					
1.01	Group c	3	Each	1100	Rupees One thousand one hundred only.	3300
2	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed 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					0
2.01	Group c	11	Each	1044	Rupees One thousand forty four only.	11484
3	Wiring for circuit/submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC Conduit as required,Make:-Plaza,KEI,Finolex or its equivalent as approved by Engineer-In-Charge					0
3.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	74	Meter	184	Rupees One hundred Eighty four only.	13616



3.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	85	Meter	301	Rupees three hundred one only.	25585
4	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. Make:- Plaza, KEL, Finolex or its equivalent as approved by Engineer-In-Charge					0
4.01	1 x 1.5 sq. mm	45	Meter	40	Rupees forty only.	1800
4.02	3 x 1.5 sq. mm	62	Meter	98	Rupees Ninety five only.	6076
4.03	3 x 4 sq. mm	70	Meter	220	Rupees Two hundred twenty only.	15400
5	Supplying and fixing following piano switch/ socket on the existing box including connections but excluding phenolic laminated sheet etc. as required.					0
5.01	5/6 amp switch	4	Each	40	Rupees Forty only.	160
5.02	5 pin 5/6 amp outlet	4	Each	62	Rupees Sixty two only.	248
5.03	15 amp switch	15	Each	130	Rupees One hundred thirty only.	1950
5.04	15 amp socket	15	Each	140	Rupees One hundred forty only.	2100
6	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required:- Make :- Anchor (Roma classic ), L&T (Entice), Legrand (Myrius) or its equivalent as approved by Engineer-In-Charge					0
6.01	5/6 amp Modular switch	12	Each	87	Rupees Eighty seven only.	1044
6.02	5 pin 5/6 amp socket outlet	2	Each	139	Rupees One hundred thirty nine only.	278
6.03	2 way 5 amp switch	2	Each	146	Rupees One hundred forty six only.	292
6.04	Blanking plate	6	Each	37	Rupees thirty seven only.	222
6.05	Bell push	1	Each	150	Rupees One hundred fifty only.	150
7	Supplying and fixing following motor starter switch on the existing modular plate & switch box including connections but excluding modular plate etc. as required	2	Each	223	Rupees Two hundred twenty three only.	446

8	Supplying and fixing Computer board comprising metal box 200 mmx150 mmx75 mm for 3 nos 5 amp piano type switches and 3 Nos 5 amp sockets comprising 3 mm thick phenolic laminated sheet cover for metal box, including connections etc as required.	6	Each	428	Rupees Four hundred twenty eight only.	2568
9	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc, as required.	6	Each	414	Rupees Four hundred fourteen only.	2484
10	Supplying and fixing following size/modules, G.I box alongwith modular base & cover for modular switches in recess etc.as required:- Make :-Anchor (Roma classic ),L&T(Entice),Legrand(Mytrius) or its equivalent as approved by Engineer-In-Charge					0
10.01	12 module	2	Each	2180	Rupees Two thousand one hundred eighty only.	4360
10.02	2 module	2	Each	246	Rupees Two hundred forty six only.	492
11	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 5 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 Engineer-In-Charge	2	Each	487	Rupees Four hundred eighty seven only.	974
12	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.	1	Each	755	Rupees Seven hundred fifty five only.	755
13	Supplying and fixing suitable size GI box with modular plate and cover in FRL.Sont on surface or in recess, including providing and fixing 6 pin15/16 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	4	Each	641	Rupees Six hundred forty one only.	2564



14	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 Sont including providing and fixing 3 pin 5/6 amps socket outlet and 5/6 amps piano type switch, connection, painting etc. as required. Make :- Anchor (Roma classic), L & T (Entice), Legrand (Myrtus) or its equivalent as approved by Engineer-in-charge.	3	Each	272	Rupees Two hundred seventy two only.	816
15	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 Sont 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.	3	Each	354	Rupees three hundred fifty four only.	1062
16	Supplying and fixing of following sizes of Medium class PVC Conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed medium class PVC Conduit as required. Diphas/BEC/Polyfit or its equivalent as approved by Engineer-In-Charge					0
16.01	25 mm	18	Mtr	93	Rupees Ninety three only.	1674
17	Providing, Installation, testing and commissioning of ceiling fan, 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 fan box phenolic laminated sheet cover on the fan box and earthing etc. as required. Make:- Usha/TECHNIX P.L.U/S/Bajaj, Crompton or its equivalent as approved by Engineer-In Charge					0
17.01	Ceiling Fan 1200 mm sweep	1	Each	3047	Rupees three thousand forty seven only.	3047

18	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 with best satisfaction of Engineer in charge :Make:- Usha(MIST AIR DUSOS/ICY),Bajaj,Crompton or its equivalent as approved by Engineer-in-charge	4	Each	3095	Rupees three thousand ninety five only.	12380
19	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( with five year warranty)	3	Each	2131	Rupees Two thousand one hundred thirty one only.	6393
20	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)	1	Each	2193	Rupees Two thousand one hundred ninety three only.	2193
21	Supplying and fixing following type surface round type LED downlight .6000K . 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, Wipro Philips or its equivalent as approved by Engineer-In-Charge( Five year warranty)					0
21.01	10 W	12	Each	822	Rupees Eight hundred twenty two only.	9864
21.02	15W	14	Each	925	Rupees Nine hundred twenty five only.	12950



22	Providing and fixing of following watt surface mounted Luminaire LED batten ,having decorative end caps and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion<10% 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 Engineer-In-Charge (Five year warranty)					0
22.01	10 watt	5	Each	409	Rupees four hundred nine only.	2045
22.02	24 watt	5	Each	597	Rupees Five hundred ninety seven only.	2985
22.03	36 watt	1	Each	1111	Rupees One thousand one hundred eleven only.	1111
23	Supply and fixing of Led fixture 4FTx1FT 36 W +/- 1 W Recess/Surface mounted Mounted with HET diffuser with having minimum system lumen efficacy of 100lm/W with CRCA Housing and with P.F.>0.95, THD<10%, CCT 5700 K, internal surge protection 2.5KV with input voltage range of 150V-270V, CRI 80. The LED shall be tested with LM80-08 standard with Useful life of 50000 Hrs at L70 complete with all accessories, connections, testing and commissioning etc as required. Make Philips/Wipro/ Osram/ Jaguar/panasonic or or its equivalent as approved by Engineer-in-Charge.(five year warranty)	3	Each	5045	Rupees Five thousand forty five only.	15135
24	Supplying and fixing LED strip 5 watt, 3000K, (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 ,including driver complete with all accessories, connections, testing and commissioning etc. Make:-jaguar/Philips, wipro or its equivalent as approved by Engineer-in-Charge.(five year warranty)	36	Meter	218	Rupees Two hundred eighteen only.	7848

25	Supplying and fixing of voltage stabilizer upto 1.5 ton ac having specification Input voltage range 170-270v ,Digital display, Under voltage Protection, Over voltage protection including connections, testing and commissioning as required. Make:- Microtek , V Gaurd , Godrej or its equivalent as approved by Engineer-in-charge(Three year warranty)	1	Each	2863	Rupees Two thousand eight hundred sixty three only.	2863
26	Supplying and fixing of DLP 105x50 mmPVC 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 .	20	Each	1346	Rupees One thousand three hundred forty six only.	26920
27	Supplying and fixing of Profile lights cover and base including complete in all respect as required	7	P/mtr	310	Rupees three hundred ten only.	2170
28	Supplying and fixing of PCB card 1.2 KVA including connections, testing and commissioning as required complete in all respect as required	1	Each	2790	Rupees Two thousand seven hundred ninety only.	2790
29	Supplying and fixing of PCB card 2 KVA including connections, testing and commissioning as required complete in all respect as required	1	Each	4900	Rupees Four thousand nine hundred only.	4900
30	Supplying and fixing Fancy wall Bracket Shade complete in all respect as required	5	Each	750	Rupees Seven hundred fifty only.	3750
31	Supplying and fixing Following way type bell indicator complete with connections, testing and commissioning etc. as required.-					0
31.01	8 way	1	Each	2600	Rupees Two thousand six hundred only.	2600
31.02	18 way	1	Each	3900	Rupees three thousand nine hundred only.	3900
32	Supplying and fixing of LED panel driver of following watts with connector including connections, testing and commissioning as required Make:-kite , Philips,Jaquar, Panasonic ,or its equivalent as approved by Engineer-in-charge					0
32.01	4-8watt	4	Each	242	Rupees Two hundred forty two only.	968




32.02	15-18 watt	10	Each	318	Rupees three hundred eighteen only.	3180
32.03	36 watt	8	Each	800	Rupees Eight hundred only.	6400
32.04	60 watt	10	Each	1820	Rupees One thousand eight hundred twenty only.	18200
33	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.					0
33.01	single pole	15	Each	266	Rupees Two hundred sixty six only.	3990
34	Supplying and erection of 40/50/63 amps, 10 K.A breaking capacity, 240 volts, "X" 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.	6	Each	1201	Rupees One thousand two hundred one only.	7206
35	Supplying and fixing 63 amp rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current 300 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.-Make L&T, Schneider, ABB or its equivalent as approved by Engineer-in-charge.					0
35.01	63 amp	2	Each	3688	Rupees three thousand six hundred eighty eight only.	7376
36	Dismental and Reinstallation all type of air conditioner indoor and outdoor unit complete in all respect as required	3	Each	3000	Rupees three thousand only.	9000
37	Refilling R-32 Refrigerant in air conditioner 1.5 to 2 tr complete in all respect as required	1	Each	2500	Rupees Two thousand five hundred only.	2500


38	Supplying and fixing 1.8/2.0 ton inverter split type air conditioner Hot and Cold with voltage stabilizer 170 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 3mtrs 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 cartage of material with in all leads and lift,Make -Daikin (model:FTHTT60), O General/Mitsubishi or equivalent as approved by the Engineer Charge.(5 year warranty )	1	Each	81585	Rupees Eighty one thousand five hundred eighty five only.	81585
39	Supplying Installation ,testing and commissioning of 2KVA inverter suitable for AC single phase input 100 to 285 ,50 HZ , output maximum load 1600 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 satrt ,with 24 month warranty and with maximum charging current 21amp and protection Overload,short-circuit,Battery ,deep discharge protection &Battery reverse polarity protection as required ,complete in all respect as per satisfaction of the Engineer in-charge. (2 year warranty ),Make:- Luminous(eco volt neo 2300+/24V ,Microtech,APC, NUMERIC.	1	Each	19534	Rupees Nineteen thousand five hundred thirty four only.	19534
40	Providing and fixing of LED HANGING FITTING - CLIPPER, E-27 base lamp holder of suitable size, excluding with excluding LED lamp complete with all accessories, connections, testing and commissioning etc.as required ,Make :- Twinkle cat no LuxMax-PT-216-300, K-lite ,panasonic or its equivalent as approved by Engineer-in-charge.	1	Each	10754	Rupees Ten thousand seven hundred fifty four only.	10754



41	Providing and installation following wattage LED type 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					0
41.01	9 watt	5	Each	144	Rupees One hundred forty four only.	720
41.02	30 watt	1	Each	501	Rupees Five hundred one only.	501
	<b>TOTAL</b>					<b>399658</b>

  
 Executive Engineer,  
 Electrical Division,  
 HPPWD Una.

DRAFT SCHEDULE OF QUANTITY						
					Job No. 8	
					Estimated cost:- Rs. 22,484/-	
					Earnest money:- Rs. 5,00/-	
					Time Limit:- One month.	
NAME OF WORK :- Replacement of Burnt/damaged armoured cable in Civil Hospital Nadaun Distt. Hamirpur (H.P).						
Sr. No.	Description of Item	Quantity	Rate In Fig.	In Words.	Unit	Amount
1	Providing, Laying and fixing of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XPLE power cable, working voltage 1100 volts grade on surface etc. of the required size:- Make:- PLAZA, KEL, POLYCAB its equivalent make.					
1.01	Armoured cable 35 Sq.mm (3.5core).	44	511	Rupees Five hundred eleven only.	P/Mtr.	22484
	<b>TOTAL</b>					<b>22484</b>

  
 Executive Engineer,  
 Electrical Division,  
 HPPWD Una.



DRAFT SCHEDULE OF QUANTITY						Job No. 9				
						Estimated cost:-	Rs. 4,06,602/-			
						Earnest money:-	Rs. 8,200/-			
						Time Limit:-	One year.			
	NAME OF WORK:- C/O 2 Numbers Type-II Qtrs. with parking for Dist.Welfare office employees at Una ,Distt. Una (H.P) (SH:- Prov. E.L. therein )									
Sr. No.	Description of Items	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 (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.(Plaza,KEL,Anchor,L&T make)									
1.01	Group A.	56	1395	Rupees One thousand three hundred ninety five only.	Point	78120				
2	Wiring for Twin Control 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 a/w 2 way P/T switch and earthing the light point with 1.5 Sq.mm. HRFR/S/PVC insulated single core copper conductor cable as required. (Plaza,KEL,Anchor,L&T make)									
2.01	Group A.	4	1555	Rupees One thousand five hundred fifty five only.	Point	6220				
3	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.(Plaza,KEL,Anchor,L&T make)	28	292	Rupees Two hundred ninety two only.	Meter	8176				
4	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.(Plaza,KEL,Anchor,L&T make)	44	362	Rupees three hundred sixty two only.	Meter	15928				
5	Wiring for power plug with 4x4 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 2 No.4 Sq.mm. HRFR/S/PVC insulated single core copper conductor cable for earthing as required.(Plaza,KEL,Anchor,L&T make)	32	442	Rupees Four hundred forty two only.	Meter	14144				



6	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HRR/LSPVC insulated single core copper conductor cable of same size for earthing as required.(Plaza,KEL,Anchor,L&T make)						
6.01	2x1.5 Sq. mm.	82	292	Rupees Two hundred ninety two only.		Meter	21944
6.02	2x10Sq.mm.	40	567	Rupees Five hundred sixty seven only.		Meter	22680
7	Supplying and Drawing following size of PVC insulated heat resistant flame retardant (HRR) and low smoke single core (flexible) copper conductor cable in existing surface/recessed Steel/PVC conduit as required.(Plaza,KEL,Anchor,L&T make)						
7.01	3x1.5Sq.mm.	40	137	Rupees One hundred thirty seven only.		Meter	5480
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.	14	283	Rupees Two hundred eighty three only.		Each	3962
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 6 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc. as required.	12	486	Rupees Four hundred eighty six only.		Each	5832
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)	2	417	Rupees Four hundred seventeen only.		Each	834
11	Supplying and fixing bakelite button/angle holder including connections etc. as required:-	10	97	Rupees Ninety seven only.		Each	970
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	Single pole,6 Amp Car-A	8	230	Rupees Two hundred thirty only.		Each	1840
12.02	Single pole,16 Amp Car-A	12	230	Rupees Two hundred thirty only.		Each	2760
13	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)						
13.01	63 Amps,Double pole, Car-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 milliampers in the existing MCB DB complete with connections, testing and commissioning etc. as mentioned						
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 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						
15.01	Double door-16 way	2	2598	Rupees Two thousand five hundred ninety eight only.	Each	5196	
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.	Set	3531	
17	Extra for using salt and charcoal for G.I. pipe earth electrode complete as required.	1	1613	Rupees One thousand six hundred thirteen only.	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.	48	40	Rupees Forty only.	Mtr.	1920	
19	Providing and installation of stationary storage type Electric water heater (Geyser) vertical 35 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 /Recold make)						
19.01	35 Liter capacity water heater (Cat-A)	2	13254	Rupees thirteen thousand two hundred fifty four only.	Each	26508	
20	Providing, Installation, testing and commissioning of ceiling fan with step type electronic 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:-						
20.01	Ceiling fan 1200 mm sweep ( Bajaj Ultima/Havells Velocity/Usha Technix Plus and Crompton H.S Plus 5 star) Category-A	6	2964	Rupees Two thousand nine hundred sixty four only.	Each	17784	
21	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:-						



21.01	Exhaust Fan, Light duty. (Domestic) 300 mm sweep	4	2505	Rupees Two thousand five hundred five only.	Each	10020
22	Supplying and fixing Fancy wall bracket, single holder size 170x255 GLS 60w mm, excluding of lamp, complete making connections etc, as required. (Decon make, Cat.No. 850Q or its equivalent make)	6	1914	Rupees One thousand nine hundred fourteen only.	Each	11484
23	S/F of exhaust fan louver shutter for 300 mm exhaust fan on the existing wall, painting etc, as required.	4	592	Rupees five hundred ninety two only.	Each	2368
24	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
25	Supply & Fixing of led fixture 18 W LED Surface Mounted Downlighter Round Shape .The Input voltage range shall be 150V to 270V .Fixture have Surge Protection 2kV .Driver Output voltage shall be less than SEL V Limits for safe operation and maintenance. Wipro Cat. No LED80-171-XXX-60-SM or Equivalent in Philips: SM251C LED20S-6500 PSU WH or Trilux: Ambella IND D LED1000-860 ET 01 ET or LT :	6	2838	Rupees Two thousand eight hundred thirty eight only.	Each	17028
26	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/C1air/Philips make)	6	10583	Rupees Ten thousand five hundred eighty three only.	Each	63498
27	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.	80	62	Rupees Sixty two only.	P/mtr.	4960
28	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. (Tisya cat. No.AL946611X/Panasonic/Philips make)	18	256	Rupees Two hundred fifty six only.	Each	4608
29	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 Cat. No.LL20-111-XX-65NE3 or Equivalent in Philips : BN 021 LED10S-6500 PSU GR S1 or Trilux: TRL-X F OTA 2000-857 ET or LT	2	720	Rupees Seven hundred twenty only.	Each	1440
30	Supplying and fixing of Bulk head fitting LED 10 watts and it should be compatible with specifications i.e. Power factor >0.9, Harmonic distortion <10% & efficacy >100 Lumen per watts, 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 Elfipto Code No.PBHM01107/Philips/ Jaquor/Tisya make )	6	1383	Rupees One thousand three hundred eighty three only.	Each	8298



31	Supply and fixing of IP40 Led fixture 40 W with Surface Mounted 4 Feet with Polycarbonate diffuser with aluminium housing. 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	8	3004	Rupees three thousand four only.	Each	24032
32	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)	24	52	Rupees Fifty two only.	Each	1248
33	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)	24	75	Rupees Seventy five only.	Each	1800
Total						406602

*Heaven*  
 Executive Engineer,  
 Electrical Division,  
 HPPWD Una.

## DRAFT SCHEDULE OF QUANTITY

Job No. 10  
Estimated cost:- Rs. 4,98,881/-  
Earnest money:- Rs. 10,000/-  
Time Limit:- One year.

NAME OF WORK: C/O PHC Building at Chamlari in Tehsil Bangana Dist. Una (HP) (SH:-Providing 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 with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.(Make:-Legrand (Myritus),L&T(Oris/Entice), Anchor(Roma plus)					
1.01	Group A	17 Points	1154	Rupees One thousand one hundred fifty four only.	P/Point	19618
1.02	Group B	20 Points	1405	Rupees One thousand four hundred five only.	P/Point	28100
1.03	Group C	38 Points	1720	Rupees One thousand seven hundred twenty only.	P/Point	65360
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 (Myritus),L&T(Oris/Entice), Anchor(Roma plus)					
2.01	Group A	1 Points	1209	Rupees One thousand two hundred nine only.	P/Point	1209
2.02	Group B	1 Points	1455	Rupees One thousand four hundred fifty five only.	P/Point	1455
2.03	Group C	1 Points	1838	Rupees One thousand eight hundred thirty eight only.	P/Point	1838




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/S/PVC insulated single core copper conductor cable for earthing as required.(Make:-KEI,Anchor,SSK,Plaza)	120	Meter	Page 19	Rupees three hundred nineteen only.	P/Mtr	38280
4	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/S/PVC insulated single core copper conductor cable for earthing as required.(Make:-KEI,Anchor,SSK,Plaza)	85	Meter	453	Rupees four hundred fifty three only.	P/Mtr	38505
5	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/S/PVC insulated single core copper conductor cable for earthing as required.(Make:-KEI,Anchor,SSK,Plaza)	85	Meter	742	Rupees seven hundred forty two only.	P/Mtr	63070
6	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HFR/S/PVC insulated single core copper conductor cable of same size for earthing as required.(Make:-KEI,Anchor,SSK,Plaza)						
6.01	2x2.5 Sq. mm.	118	Metre	378	Rupees Three hundred seventy eight only.	P/Mtr	44604
6.02	2x10 Sq. mm.	12	Metre	812	Rupees Eight hundred twelve only.	P/Mtr	9744
7	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:-KEI,Anchor,SSK,Plaza)						
7.01	3x1.5 Sq. mm.	57	Metre	111	Rupees One hundred eleven only.	P/Mtr	6327
7.02	3x2.5 Sq. mm.	42	Metre	171	Rupees One hundred seventy one only.	P/Mtr	7182

8	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required.						
8.01	S.P. 5/ 6 Amps one way Modular switch,Makes:- Legrand(Myrius),L&T(Enice),Anchor Roma(Plus)	6	Nos	152	Rupees One hundred fifty two only.	Each	912
9	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required.						
9.01	3 pin, 5/ 6 Amps Modular socket outlet,Makes:- Legrand(Myrius),L&T(Enice),Anchor Roma(Plus)	6	Nos	200	Rupees Two hundred only.	Each	1200
9.02	Telephone socket/Lan Socket outlet, Modular,Makes:- Legrand(Myrius),L&T(Enice),Anchor Roma(Plus)	6	Nos	847	Rupees Eight hundred forty seven only.	Each	5082
10	Supplying and drawing following pair of Fire Retardant, PVC insulated 0.5 sq.mm. (FR-Flexible) copper conductor, flat, unarmoured, telephone cable in existing surface / recessed, steel / PVC conduit as required.(Make:- KEI,Anchor,SSK ,Plaza.)						
10.01	2 Pair	60	Metre	66	Rupees Sixty six only.	P/Mtr	3960
11	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required.(Make:-Legrand (Myrius),L&T(Oris/Enice),Anchor(Roma plus)	15	Nos	643	Rupees six hundred forty three only.	Each	9645
12	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required.(Make:-Legrand (Myrius),L&T(Oris/Enice),Anchor(Roma plus)	17	Nos	999	Rupees Nine hundred ninety nine only.	Each	16983
13	S/F Computer board comprising 3 No.5 amps,switch (Modular) and 3 No.3 pin 5 amps, Socket out let (Modular) and 1 No.12 Modular switch board 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.(SSK/L&T/Anchor make)	2	Nos	3098	Rupees three thousand ninety eight only.	Each	6196



14	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.	4	Nos	Page 88	Rupees Nine hundred twenty eight only.	Each	3712
15	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:-						
15.01	Single pole, Cat-A..Makes:- L&T/Legrand/Schneider.	32	Nos	230	Rupees Two hundred thirty only.	Each	7360
16	Supplying and fixing following rating, double pole, 240 volts, Isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
16.01	63 Amps. Cat-A..Makes:- L&T/Legrand/Schneider.	3	Nos	566	Rupees Five hundred sixty six only.	Each	1698
17	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamps in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
17.01	63 Amps. Cat-A..Makes:- L&T/Legrand/Schneider.	3	Nos	3489	Rupees three thousand four hundred eighty nine only.	Each	10467
18	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:-						
18.01	Double door-4 way.Makes:- L&T/Legrand/Schneider.	1	Nos	1677	Rupees One thousand six hundred seventy seven only.	Each	1677

18.02	Double door-12 way .Makes:- L&T/Legrand/Schneider.	1	Nos	Page 60	Rupees Two thousand three hundred fifty only.	Each	2350
18.03	Double door-16 way .Makes:- L&T/Legrand/Schneider.	2	Nos	2876	Rupees Two thousand eight hundred seventy six only.	Each	5752
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.	3	Sets	3531	Rupees three thousand five hundred thirty one only.	Per Set	10593.00
20	Extra for using salt and charcoal for G.I. pipe earth electrode complete as required.	3	Sets	1613	Rupees One thousand six hundred thirteen only.	Per Set	4839.00
21	Providing and fixing 8 SWG (4 mm dia.) copper wire on surface or in recess for loop earthing as required.	50	Metre	180	Rupees One hundred eighty only.	P/Mtr	9000
22	Providing and fixing of lightning conductor finial, made of 25 mm dia. 300 mm long copper tube, having single prong at top, with 85 mm dia 3 mm thick copper base plate including holes etc. complete as required.	2	Nos.	2831	Rupees Two thousand eight hundred thirty one only.	Each	5662.00
23	Supplying and fixing copper tape 20mmx3mm thick on parapet or surface of wall for lightning conductor as required ( for vertical run)	40	Metre	685	Rupees Six hundred eighty five only.	P/Mtr	27400
24	Supplying and fixing copper tape 20mmx3mm thick on parapet or surface of wall for lightning conductor as required ( for horizontal run)	40	Metre	633	Rupees six hundred thirty three only.	P/Mtr	25320
25	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.	13	Nos.	90	Rupees Ninety only.	Each	1170
26	Supplying and fixing stepped type Modular fan regulator on the existing modular box including making connections etc. as required.(SSK,L&T,Anchor make)	13	Nos.	659	Rupees Six hundred fifty nine only.	Each	8567
27	Providing and fixing the louvers/shutters complete with frame for exhaust fans of all sizes complete with fixing including making good the damages etc. as required complete in all respects.	6	Nos.	674	Rupees six hundred seventy four only.	Each	4044
	<b>TOTAL</b>						498881

  
 Executive Engineer,  
 Electrical Division,  
 HPPWD Una.




DRAFT SCHEDULE OF QUANTITY				Job No. 11	
				Estimated cost:- Rs. 89,130/-	
				Earnest money:- Rs. 1,800/-	
				Time Limit:- One year.	

Name of work :- A/R & M/O of various type and different capacity of Air Conditioners installed in various N.R Govt. buildings under

**Electrical Sub-Division HP.PWD Una (Bangana Section) for the year 2023-2024.**

S. No.	Description of Item	Quantity	Rate In Fig.	In words.	Unit	Amount
1	Annual . Repair & maintenance (Routine & preventive) of various makes/types and different capacity Split AC's with four numbers mandatory quarterly services and all emergency break down services as and when required from time to time as per the best satisfaction of Engineer-in-charge.					
1.01	The AMC will include the following:-					
1.02	Compress, Thermostat Relay, O.L.P, Fan Motors, Timers, Heaters, Air dampers, Ice maker, temperature sensors, Evaporators, Condensers, Refrigerant charging Driers Capillary Blowers, Fan Blade Control box, Magnetron, Electrical switches, Transformers (internal), Diodes, Capacitors, Wire harness, Wash, & Spin motors Gear box Clutch assembly Drum Inner Bellows bears & Lip seal (Drain motor Pump, Electrical valves, Buzzer Suspension Key Members Remote PCB including cost of their replacement.					
1.03	All defective components shall be replaced with compatible working parts and defective parts shall be company's/Firm's/Contractor's property.					
1.04	Split type A.C 1.5ton capacity.	17	Numbers	4600	Rupees Four thousand six hundred only.	Each 78200
1.05	Split type A.C. 2 ton capacity	1	Numbers	4800	Rupees Four thousand eight hundred only.	Each 4800

2	Supplying and fixing wall mounting voltage stabilizer of following rating with output 240 volts with voltage regulation range from 130 volt to 300 volt and auto cut off beyond this range and time delay operation for the surge and fluctuations suitable for 1.5 TR capacity split type Air- Conditioner including making connections etc. as required complete in all respect.	1	Number	6130	Rupees Six thousand one hundred thirty only.	Each	6130
	<b>Total:-</b>						89130

  
 Executive Engineer,  
 HPPWD Una.




DRAFT SCHEDULE OF QUANTITY				Job No. 11	
				Estimated cost:- Rs. 89,130/-	
				Earnest money:- Rs. 1,800/-	
				Time Limit:- One year.	

Name of work :- A/R & M/O of various type and different capacity of Air Conditioners installed in various N.R Govt. buildings under

Electrical Sub-Division HP,PWD Una (Bangana Section) for the year 2023-2024.

S. No.	Description of Item	Quantity	Rate In Fig.	In words.	Unit	Amount
1	Annual . Repair & maintenance (Routine & preventive) of various makes/types and different capacity Split A.C's with four numbers mandatory quarterly services and all emergency break down services as and when required from time to time as per the best satisfaction of Engineer-in-charge.					
1.01	The AMC will include the following:-					
1.02	Compress, Thermostat Relay, OLP Fan Motors, Timers, Heaters, Air dampers, Ice maker, temperature sensors, Evaporators, Condensers, Refrigerant charging Driers Capillary Blowers, Fan Blade Control box, Magnetron, Electrical switches, Transformers (internal), Diodes, Capacitors, Wire harness, Wash, & Spin motors Gear box Clutch assembly Drum Inner Bellows bears & Lip seal (Drain motor Pump, Electrical valves, Buzzer Suspension Key Members Remove PCB including cost of their replacement.					
1.03	All defective components shall be replaced with compatible working parts and defective parts shall be company's/firm,/Contractor's property.					
1.04	Split type A.C 1.5ton capacity.	17	Numbers	4600	Rupees Four thousand six hundred only.	Each 78200
1.05	Split type A.C. 2 ton capacity	1	Numbers	4800	Rupees Four thousand eight hundred only.	Each 4800

2	Supplying and fixing wall mounting voltage stabilizer of following rating with output 240 volts with voltage regulation range from 130 volt to 300 volt and auto cut off beyond this range and time delay operation for the surge and fluctuations suitable for 1.5 TR capacity split type Air- Conditioner including making connections etc. as required complete in all respect.	1	Number	6130	Rupees Six thousand one hundred thirty only.	Each	6130
	Total:-						89130

  
 Executive Engineer,  
 Executive Engineer,  
 HPPWD Una.



# DRAFT SCHEDULE OF QUANTITY

Job No. 12

Estimated cost:- Rs. 1,44,760/-

Earnest money:- Rs. 2,900/-

Time Limit:- Six months.

Name of work :- C/O Govt. Degree College building at Haroli, Tehsil Haroli, Dist. Una (SH :- Supplying and Laying of steel conduit in Level 101.45 Admn. block)

Sr. No.	Description	Quantity	Rate In fig.	In words.	Unit	Amount
1	Supplying and fixing of following sizes of steel conduit along with the accessories in surface / recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as					
1.01	25 mm. dia *	500	280	Rupees Two hundred eighty only.	P/mtr.	140000
2	Supplying and fixing Fan box in place of junction box etc complete as required.	56	85	Rupees Eighty five only.	Each	4760
	<b>Total :-</b>					<b>144760</b>

Executive Engineer,  
Electrical Division,  
HPPWD, Una.

# DRAFT SCHEDULE OF QUANTITY

Job No. 13

Estimated cost:- Rs. 4,99,535/-

Earnest money:- Rs. 10,000/-

Time Limit:- One year.

Name of work :- C/O Science Lab. building in GSSS, Lahri, Tehsil Haroli, Distt. Una (HP) (SH :- Providing E.I. therein)

Sr. 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 (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 C.	132	1731	Rupees One thousand seven hundred thirty one only.	Each	228492
2	Wiring for twin control light point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with 2-way, 5/6 amps. modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq. mm. HRFR/S/PVC insulated single core copper conductor cable as required. (Finolex, KEL, Anchor, L&T make)					
2.01	Group C.	4	1747	Rupees One thousand seven hundred forty seven only.	Each	6988
3	Wiring for high 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)	78	319	Rupees three hundred nineteen only.	P/mtr.	24882
4	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)	54	453	Rupees Four hundred fifty three only.	P/mtr.	24462




5	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)	60	742	Rupees Seven hundred forty two only.	P/mtr.	44520
6	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HFR/LSPVC insulated single core copper conductor cable of same size for earthing as required.(Finolex,KEL,Anchor,L&T make)					
6.01	2x1.5 Sq. mm.	45	319	Rupees three hundred nineteen only.	P/mtr.	14355
6.02	2x10 Sq. mm.	15	812	Rupees Eight hundred twelve only.	P/mtr.	12180
7	Wiring for circuit / sub-main with 4x10 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.6 Sq.mm. (4x10+2x6) HFR/LSPVC insulated single core copper conductor cable for earthing as required.(KEL/Anchor/L&T make)	30	1421	Rupees One thousand four hundred twenty one only.	P/mtr.	42630
8	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)					
8.01	3x1.5 Sq. mm.	117	111	Rupees One hundred eleven only.	P/mtr.	12987
9	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)					
9.01	S.P. 5/ 6 Amps one way P/T switch.	6	52	Rupees Fifty two only.	Each	312
9.02	5 pin, 5/ 6 Amps socket outlet P/T.	6	75	Rupees Seventy five only.	Each	450
10	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.	27	283	Rupees Two hundred eighty three only.	Each	7641

11	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.	15	486	Rupees Four hundred eighty six only.	Each	7290
12	Supplying and fixing bakelite button/angle holder including connections etc. as required:- (SSK,Anchor make)	33	97	Rupees Ninety seven only.	Each	3201
13	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)					
13.01	Single pole, 6 Amps, Car-A.	18	230	Rupees Two hundred thirty only.	Each	4140
13.02	Single pole, 16 Amps, Car-A.	15	230	Rupees Two hundred thirty only.	Each	3450
14	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)					
14.01	Double pole, 63 Amps, Car-A.	3	597	Rupees five hundred ninety seven only.	Each	1791
15	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. (Hager, ABB, L&T make)					
15.01	63 Amps, Car-A.	3	3456	Rupees three thousand four hundred fifty six only.	Each	10368
16	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with timed 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)					
16.01	Single door-16 way	1	1964	Rupees One thousand nine hundred sixty four only.	Each	1964
16.02	Double door-16 way	2	2771	Rupees Two thousand seven hundred seventy one only.	Each	5542
17	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.	2	3531	Rupees three thousand five hundred thirty one only.	Per set	7062



18	Extra for using salt and charcoal for G.I. pipe earth electrode complete as required.	2	1613	Rupees One thousand six hundred thirteen only.	P/set	3226
19	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	60	40	Rupees Forty only.	P/mtr.	2400
20	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)	42	487	Rupees Four hundred eighty seven only.	Each	20454
21	Supplying and fixing Fan box of M.S.sheet with iron rod hook 12 mm.in place of junction box complete as required.	42	45	Rupees Forty five only.	Each	1890
22	Supplying and fixing sheet metal bus-bar chamber suitable for 63 Amp. 415 volts capacity with 4 No. copper strip bus-bars each of length 300mm & cross-sectional area (16mmx3.17mm), enclosure made from 1.6 mm thick M.S. sheet having overall dimensions (380mmx350mmx150mm) nominal with all accessories including connections, earthing the body etc. as required:-	1	1838	Rupees One thousand eight hundred thirty eight only.	Each	1838
23	Providing and fixing MCCB four pole 63 amps.rating and 18 KA breaking capacity 415 volts AC,supply 50 HZ four pole DU 100 D type in the existing enclosure including making connections etc,as required. (L&T/ABB/Standard make)	1	5020	Rupees Five thousand twenty only.	Each	5020
<b>Total :-</b>						<b>499535</b>

  
 Executive Engineer,  
 Electrical Division,  
 HPPWD., Una.

# DRAFT SCHEDULE OF QUANTITY

Job No. 14

Estimated cost:- Rs. 44,450/-

Earnest money:- Rs. 9,000/-

Time Limit:- Six months


Name of work :- Replacement of wires and accessories in Toilet block of Distt. & Session Judge office Una, Distt. Una (HP).

Sr. No.	Description	Quantity	Rate In Fig.	In words.	Unit	Amount
1	Re-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 existing surface/recessed Steel / PVC conduit and earthing the light point with 1.5 Sq. mm. HFR/L.S./PVC insulated single core copper conductor cable including dismantling of the existing wiring as required ( including switch, switch board & bakelite sheet etc.)					
1.01	Group -C	14	867	Rupees Eight hundred sixty seven only.	Each	12138
2	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required (KEI/Anchor/L&T make)					
2.01	3x1.5 Sq. mm.	25	105	Rupees One hundred five only.	P/mtr.	2625
2.02	3x4.0 Sq. mm.	15	235	Rupees Two hundred thirty five only.	P/mtr.	3525
3	Supplying and fixing of following sizes of PVC conduit 2.0 mm. thick along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required:- (Diplast, Polycab make)					
3.01	25 mm. dia	15	104	Rupees One hundred four only.	P/mtr.	1560
4	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)					
4.01	SP. 5/ 6 Amps one way P/T Switch	1	54	Rupees Fifty four only.	Each	54
4.02	5 Pin 5/ 6 Amps P/T socket outlet	1	77	Rupees Seventy seven only.	Each	77
5	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 1.5/16 amps socket outlet and 1.5/16 amps, piano type switch, connections, painting etc. as required.	1	510	Rupees Five hundred ten only.	Each	510



6	Supplying and fixing bakelite batten/angle holder including connections etc. as required:- (SSK/Anchor make)	6	103	Rupees One hundred three only.	Each	618
7	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:- (Legrand/Hager/ABB/L&T make)					
7.01	Single pole, Car-A.	3	207	Rupees Two hundred seven only.	Each	621
8	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)					
8.01	63 Amps, Car-A.	1	558	Rupees five hundred fifty eight only.	Each	558
9	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required. (Legrand/Hager/ABB/L&T make)					
9.01	40 Amps, Car-A.	1	2434	Rupees Two thousand four hundred thirty four only.	Each	2434
10	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, phosphorized and powder painted, including earthing etc. as required:- (Hager, ABB, L&T make)					
10.01	Double door 8 way	1	1663	Rupees One thousand six hundred sixty three only.	Each	1663
11	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required:- (Usha - Aeroclean metal body, Turbo or its Equivalent make)					
11.01	Exhaust Fan, Light duty, 300 mm sweep	2	2076	Rupees Two thousand seventy six only.	Each	4152
11.02	Exhaust Fan, Heavy duty, 300 mm sweep	1	4146	Rupees Four thousand one hundred forty six only.	Each	4146

12	Providing, Installation, testing and commissioning of ceiling fan without step type fan regulator modular, air delivery 21.5 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-Technixplus BEE 3 Star rated model) or its equivalent make)					
12.01	Ceiling Fan 1200 mm sweep, Category-A	1	2964	Rupees Two thousand nine hundred sixty four only.	Each	2964
13	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)	1	496	Rupees Four hundred ninety six only.	Each	496
14	Supplying and fixing exhaust fan louver shutter for 300 mm.exhaust fan on the existing wall,putting etc. as required.(National or its equivalent make)	3	809	Rupees Eight hundred nine only.	Each	2427
15	Providing and fixing LED surface/pendent mounting Tube fixture 24 watts Jaquar make glazed LED batten high quality design aluminium extruded NW decorative end caps as per best satisfaction of Engineer-in-Charge complete as required.	3	748	Rupees Seven hundred forty eight only.	Each	2244
16	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.(Tisra cat. No.AL 946611X/Panasonic/Philips make)	6	196	Rupees One hundred ninety six only.	Each	1176
17	S/F of computer board comprising 3 No. Switch and 3 No.3 pin 5 amps.socket outlet and 1 No.metal box 200x250x75 mm.deep with suitable size of phenolic laminated sheet cover in the front in/c connections etc.as required.	1	462	Rupees four hundred sixty two only.	Each	462
Total :-						44450

  
 Exgineer,  
 Electrical Division,  
 HPPWD., Una,



# DRAFT SCHEDULE OF QUANTITY

Job No. 15

Estimated cost:- Rs. 99,725/-


Earnest money:- Rs. 2,000/-

Time Limit:- Six months.

Name of work :- A/R&M/O various Non Residence Building Under ESD Bilaspur in Distt Bilaspur H.P(SH:- Replacement of Damage Electrical Accessories in PWD Rest Houses Panjgala Larughat Namhol Dholra etc)

Sr. No.	Description of Items	Quantity	Rate In Fig.	In Words.	Unit	Amount
1	Supplying and Fixing LED Batten 36 watt High quality aluminium extruded with decorative end caps of superior quality ( Wipro Make ) as per item code LL22-511-XXX-65-G1 as required. Complete in all respect and as approved by the Engineer-in-Charge Make-Wipro,Jaquar,Philips or its equivalent.	6	1824	Rupees One thousand eight hundred twenty four only.	Each	10944
2	Supplying and fixing LED panel fitting, ultra sleek surface mounted slim square panel 15 watts made from extruded aluminium housing ,Aesthetically designed flat panel for surface mounting which provides soft-light and glare free symmetrical illumination complete with connections etc as required. Make- Wipro,Jaquar, Philips, K-lite or its equivalent or as approved by Engineer in charge.	6	2259	Rupees Tw thousand two hundred fifty nine only.	Each	13554
3	Providing, installation, testing and commissioning of Glazed LED 10 Watt Batten 600mm long( Mirror Light) High quality design aluminium extruded decorative end caps as per best satisfaction of Engineer-in-Charge. Make: , Wipro Cat No L20-111-XXX-65NE3), or its equivalent or as approved by Engineer in charge.	8	662	Rupees Six hundred sixty two only.	Each	5296
4	Providing, installation, testing and commissioning of ceiling fan,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 fan box ,phenolic laminated sheet cover on the fan box and earthing etc. as required with minimum 3 star rating. Make:- UshaTECHNIX PLLS(Bajaj,Crompton or its equivalent as approved by Engineer-in-charge. 1200mm sweep	4	4886	Rupees Four thousand eight hundred eighty six only.	Each	19544

5	Providing and installation exhaust fan of 300mm (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 En-In-charge	4	2633	Rupees Two thousand six hundred thirty three only.	Each	10512
6	Providing and installation of stationary storage type Electric water heater (Geyser) of 25 Liter capacity by means of Expansion-bolts with nuts and washers, including embedding of expansionbolts 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, Usha, Bajaj minimum 3-star rating, as approved by Engineer-in-charge.	3	11000	Rupees Eleven thousand only.	Each	33000
7	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.					
7.01	Single pole	9	296	Rupees Two hundred ninety six only.	Each	2664
8	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.	3	1397	Rupees One thousand three hundred ninety seven only.	Each	4191
TOTAL						99725

  
 Executive Engineer,  
 Electrical Division,  
 HPPWD., Una.



# DRAFT SCHEDULE QUANTITY

Job No. 16

Estimated cost:- Rs. 4,99,126/-

Earnest money:- Rs. 10,000/-

Time Limit:- Six months.

Name of Work:- C/o Indoor Auditorium Building at Bilaspur in Distt. Bilaspur (HP) (SH:- Balance work of E.L.& UPS System therein.)

S. No.	Description	Quantity	Rate In fig.	In words.	Unit	Amount
1	Providing and laying of one No. Single core .35 sq.mm Copper conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade direct in ground; to be laid 1 meter below the ground level including excavation sand cushioning, protective covering and refilling the trench etc. of the required size-(KEI, Polycab, Finolex, I&T, make)	100	1043	Rupees One thousand forty three only.	P/mtr	104300
2	Wiring for 3 core 2.5 sqmm 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	130	302	Rupees three hundred two only.	P/mtr	39260
3	Providing and fixing of Copper Pipe Suitable for 1.5 ton Split type air conditioner Unit size 1/2x1/4 with Insulation.	110	1682	Rupees One thousand six hundred eighty two only.	P/mtr	185020
4	Providing and fixing of DLP U PVC of size 150x50 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, SGI or its equivalent as required complete in all respect	26	3721	Rupees three thousand seven hundred twenty one only.	P/mtr	96746
5	Wiring for 2x1.5 sqmm 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	360	205	Rupees Two hundred five only.	P/mtr	73800
TOTAL						499126

Executive Engineer,  
Electrical Division,  
HPPWD., Uma.



# DRAFT SCHEDULE OF QUANTITY

Job No. 17

Estimated cost:- Rs. 4,99,900/-

Earnest money:- Rs. 10,000/-

Time Limit:- Six months.

Name of Work:-C/O Indoor Auditorium Building at Bilaspur in Dist. Bilaspur (HP) (SH:- Balance work of E.L, UPS & Fire Alarm & Surveillance System therein.)

Sr. No.	Description	Quantity	Rate In fig.	In words.	Unit	Amount
1	Wiring for 2x2.5 sqmm circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed heavy class PVC conduit having wall thickness 2.0mm as required	600	259	Rupees Two hundred fifty nine only.	P/mtr	155400
2	Wiring for 2x2.5 sqmm circuit/sub-main with following size PVC insulated heat resistant flame retardant (HREFR) and low smoke single core (flexible) copper conductor cable in along with 1 No.HREFR/S/PVC insulated single core copper conductor cable of same size for earthing as required. Make:- , KEL, Anchor, Plaza as approved by Engineer -in - charge .	100	200	Rupees Two hundred only.	P/mtr	20000
3	Wiring for 10 sqmm circuit/sub-main with following size PVC insulated heat resistant flame retardant (HREFR) and low smoke single core (flexible) copper conductor cable in along with 1 No.HREFR/S/PVC insulated single core copper conductor cable of same size for earthing as required. Make:- , KEL, Anchor, Plaza as approved by Engineer -in - charge .	150	305	Rupees three hundred five only.	P/mtr	45750
4	Wiring for 4core 1.5 sqmm sqmm circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, 10 sqmm single core cable in surface/ recessed PVC conduit as required	100	241	Rupees Two hundred forty one only..	P/mtr	24100
5	Wiring for 4x1.5 sqmm circuit/sub-main with following size PVC insulated heat resistant flame retardant (HREFR) and low smoke single core copper conductor cable in surface/recessed PVC conduit along with 1 No.HREFR/S/PVC insulated single core copper conductor cable of same size for earthing as required. Make:- , KEL, Anchor, Plaza as approved by Engineer -in -charge .	550	463	Rupees Four hundred sixty three only.	P/mtr	254650
TOTAL						499900

Executive Engineer,  
Electrical Division,  
HPPWD., Una.



# DRAFT SCHEDULE OF QUANTITY

Job No. 18

Estimated cost:- Rs. 2,85,480/-


Earrest money:- Rs. 5,700/-

Time Limit:- Six months.

Name of Work :- C/o Additional Accomodation to PWD Rest House Building at Namhol in Distt. Bilaspur (HP) (SH:- Providing Yard Lighting therein )

Sr. No.	Description	Quantity	Rate In Fig.	In Words.	Unit	Amount
1	Providing and laying of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade direct in ground; to be laid 1 meter below the ground level including excavation sand cushioning, protective covering and refilling the trench etc. of the required size; K.E.I-(Polycab, Finotex, L&T make)					
1.01	Armoured cable 6sq.mm.(Twin core)	80	514	Rupees Five hundred fourteen only.	P/mtr	41120
2	Supplying and fixing Arcura Post top lantern LED fixture 60 watts made of die cast aluminium base and spun aluminium Top fitted with LED PT module.Power LEDs are mounted directly on inbuilt extruded input voltage AC-100-270,FREQUENCY 50-60HZ,Power factor 0.950,efficacy 100 Lum/W,CRI 80,THD 10% LIFE 50000 H,Colour temperature NW 4000K.(Twinkle LuxMax-PT-155 or its equivalent make and as approved by the Engineer in charge.	7	20400	Rupees Twenty thousand four hundred only.	Each	142800
3	Supplying and fixing 3.0 mtrs.Steel mild pole made of Galvanised mild steel tubes having 114mm.dia at bottom and 60/75 mm dia at top with with cast aluminium embellishments - Q3. The pole are primer coated and painted with polyurethane paint.Pole are suitable for Single/Double side drop down luminaires with double arm bracket. The pole has a service window at the bottom comprising four way 25 amps connector terminal and a MCB.Pole can be mounted with four numbers Anchor bolts as per foundation.Pole make :- Twinkle LuxMax-SP-114-301-3mtr or its equivalent makcandas approved by the engineer in charge.	7	13700	Rupees Thirteen thousand seven hundred only.	Each	95900

	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	1397	Rupees One thousand three hundred ninety seven only.	Each	1397
5	Supplying and fixing 6 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.	2	296	Rupees Two hundred ninety six only.	Each	592
6	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:-					
6.01	Double door-4 way	1	1634	Rupees One housand six hundred thirty four only.	Each	1634
7	Supplying and drawing following sizes of FRLS PVC insulated copper conductor,single core cable in the existing surface/ recessed steel/ PVC conduit as required.					
7.01	3x1.5 sqmm	21	97	Rupees Ninety seven only.	Each	2037
<b>TOTAL</b>						<b>285480</b>

  
 Executive Engineer  
 Electrical Division,  
 HPPWD., Una.



# DRAFT SCHEDULE OF QUANTITY

Job No. 19

Estimated cost:- Rs. 4,99,846/-


Earnest money:- Rs. 10,000/-

Time Limit:- Six months.

Name of Work :- Replacement of E.I in D.C Office Building at Bilaspur in Distt. Bilaspur (HP)

S. No.	Description	Quantity	Rate In Fig.	In Words.	Unit	Amount
1	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HREFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No. HREFRLS/PVC insulated single core copper conductor cable of same size for earthing as required.					
1.01	2x 1.5 Sq. mm.	40	205.00	Rupees Two hundred five only.	Mtr.	8200
1.02	2x 4 Sq. mm.	30	200.00	Rupees Two hundred only.	Mtr.	6000
1.03	2x 10 Sq. mm.	100	610.00	Rupees Six hundred ten nly.	Mtr.	61000
1.04	4x 10 Sq. mm.	65	1204.00	Rupees One thousand two hundred four only.	Mtr.	78260
2	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, Legrand, Hager or its equivalent as approved by Engineer-In-Charge.					
2.01	MCBDB 8 WAY	2	2361	Rupees Two thousand three hundred sixty one only.	Each	4722
2.02	MCBDB 12 WAY	2	2802	Rupees Two thousand eight hundred two only.	Each	5604

3	2.4 Supplying and fixing following ways surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 100 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's (but without MCB's and incomer) as required. (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required. Legrand/L&T or its equivalent.						
3.01	MCBDB8 WAY (4+24) Double Door	1	9754	Rupees Nine thousand seven hundred fifty four only.	Each	9754	
3.03	MCBDB12 WAY (4+36) Double Door	1	15332	Rupees Fifteen thousand three hundred thirty two only.	Each	15332	
4	Providing and fixing of DLP U PVC of size 150x50 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 ,SGI or its equivalent as required complete in all respect .	76	3721	Rupees three thousand seven hundred twenty one only.	P/mtr	282796	
5	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.(L& T Pricelist w.e.f.05/2022)	48	296	Rupees Two hundred ninety six only.	Each	14208	
6	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.	10	1397	Rupees One thousand three hundred ninety seven only.	Each	13970	
<b>TOTAL</b>							<b>499846</b>

  
 Executive Engineer,  
 Electrical Division,  
 HPPWD, Una.



# DRAFT SCHEDULE OF QUANTITY

Job No. 20

Estimated cost:- Rs. 3,47,578/-

Earnest money:- Rs. 7,000/-

Time Limit:- One year.

Name of work :- C/O Police station and Residential Accommodation for State Vigilance Department and Anti Corruption Bureau at Hamirpur  
Distt. Hamirpur H.P (SH.- Providing Additional E.I. work there in).

Sr. No.	Description of Items	Quantity	Rate In Fig.	In Words.	Unit	Amount
1	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(Entice), Legrand (Myrtus) or its equivalent as approved by Engineer-In-Charge.	11	603	Rupees Six hundred three only.	EACH	6633
2	1.7.8 Wiring for light/ power plug with 4X4 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 BEC. AKG. DIPLAST. L&T. KEI PLAZA	81	718	Rupees Seven hundred eighteen only.	PER MTR	58158
3	Supplying and fixing Aluminium batten LED 36 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 - PB1M08367)/Philips, Wipro or its equivalent as approved by Engineer-in-Charge.	16	1116	Rupees One thousand one hundred sixteen only.	Each	17856

4	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) Record or its equivalent as approved by Engineer-in-charge.	4	12566	Rupees Twelve thousand five hundred sixty six only.	Each	50264
5	Supply and fixing of Mollis surface/recess led downlighter in 24 W +/- 1 W in Round Shape with minimum system lumen efficacy of 100 lm/W and minimum system lumens 1800 lumen with Pressure Die cast Aluminium heat sink with and HET diffuser and polycarbonate mounting box P.F.>0.95 , THD<10% , CCT 5700K/4000K, CRI 80, UGR<23, IP20 protection. The LED with Useful life of 50000 Hrs at L70. The Input voltage range shall be 150V to 270V . Fixture have Surge Protection 3kV . Driver - complete with all accessories, connections, testing and commissioning etc.as required. Make:- Philips/Wipro/Osram/Jaquar or its equivalent as approved by Engineer-in-Charge.(five year warranty)	2	4064	Rupees Four thousand sixty four only.	Each	8128
6	Supplying and fixing surface round type 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:- Jaquar/Philips, wipro or its equivalent as approved by Engineer-in-Charge.	8	933	Rupees Nine hundred thirty three only.	Each	7464
7	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:-Jaquar (Cat No LGLZ01X024XC )/Philips,Parasonic or its equivalent as approved by Engineer-in-Charge	5	603	Rupees Six hundred three only.	Each	3015



8	Supplying and fixing Loaded Wall- Wall Mount 4u Dimensions 550 X400 X20 CM Front Glass Door (tinted,toughened) with LOCK & KEY, 2PAIRS OF 19" Mounting Rail with U-Marking welded Side walls 1U Cable Manager (1) Hardware Packet (1Pct)3 socket 5amp ,power distribution Unit(1NO) .Make:- D-Link( CAT NO NWR-4U-5540-GR). Cisco, Digi link or its equivalent as approved by Engineer-in-Charge.	2	4478	Rupees Four thousand four hundred seventy eight only.	Each	8956
9	Supplying and fixing of LED 3 Watt fancy Bedside light of white colour with metal & synthetic material, complete with all accessories including making connections, testing etc. as required..Make PHILIPS ,wipro, jaquar or its equivalent as approved by Engineer-in -charge.	2	2300	Rupees Two thousand three hundred only.	Each	4600
10	Supplying and fixing of Kii Kai rewirable (porcelain fuse carrier and base) complete with connection ,testing and commissioning etc as required .Make:-Havell ( cat no-1HKKRN4320), SSK,Anchor or its equivalent as approved by Engineer-in -charge.	3	2096	Rupees Two thousand ninety six only.	Each	6288
11	Supplying and fixing 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).Make:-L&T ,Jegrand,Hager , Schneider or its equivalent as approved by Engineer-in -charge.					
11.01	12 way, Double door	3	2434	Rupees Two thousand four hundred thirty four only.	EACH	7302
11.02	16way, Double door	3	3054	Rupees three thousand fifty four only.	EACH	9162
12	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 10 kA, "C" curve,minature 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 ,Jegrand,Hager , Schneider or its equivalent as approved by Engineer-in -charge.					
12.01	Single pole	12	266	Rupees Two hundred sixty six only.	EACH	3192

13	Supplying and fixing 1.5 ton inverter split type air conditioner Hot and Cold with voltage stabilizer 170V to 270 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 3mtrs 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 our door unit of split type A..C including carriage of material with in all leads and lift. Make -Daikin (model: FTH150), O General/Mitsubishi or equivalent as approved by the Engineer Charge.	1	66242	Rupees Sixty six thousand two hundred forty two only.	EACH	66242
14	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 3mtrs 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 our 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	81348	Rupees Eighty one thousand three hundred forty eight only.	EACH	81348
15	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.	2	1350	Rupees One thousand three hundred fifty only.	MTR	2700
16	Providing, laying and fixing of drian condensate drain water pipe with all necessary fitting for all type A.C as required complete in all respect.	2	195	Rupees One hundred ninety five only.	MTR	390



17	Supplying and fixing of DLP 105x50 mmPVC 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 .	4	1470	Rupees One thousand four hundred seventy only.	MTR	5880
TOTAL						347578

*K. S. Kumar*  
 Executive Engineer,  
 Electrical Division,  
 HPPWD., Una.

DRAFT SCHEDULE OF QUANTITY				Job No. 21	
				Estimated cost:- Rs. 1,75,925/-	
				Earnest money:- Rs. 3,600/-	
				Time Limit:- One year.	

NAME OF WORK : C/O Additional accommodation 2 nos. Class room in Ground & First Floor at Govt. High School Rainyari in Distt. Una (HP)  
(SH:-Providing E.L. therein).

Sr. No.	DESCRIPTION	QUANTITY	RATE		UNIT	AMOUNT
			In Fig.	In words.		
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit and earthing the light point with 1.5 Sq.mm. HRRFRLS/PVC insulated single core copper conductor cable as required.(Make:-Legrand (Myrius),L&T(Entice), Anchor (Roma plus),SSK					
1.01	Group C	31 Points	1653	Rupees One thousand six hundred fifty three only.	P/Point	51243
2	Wiring for twin control light point with 1.5 sq.mm FRLSPVC insulated copper conductor single core cable insurface / recessed steel conduit, 2 way piano type switch,phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm FRLS PVCinsulated copper conductor single core cable etc. as required.(Make:-Legrand (Myrius),L&T(Entice),Anchor(Roma plus),SSK					
2.01	Group C	2 Points	1916	Rupees One thousand nine hundred sixteen only.	P/Point	3832
3	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. HRRFRLS/PVC insulated single core copper conductor cable for earthing as required.(Make:-KEI, Anchor,SSK )	40 Meter	319	Rupees three hundred nineteen only.	P/Mtr	12760



4	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HRFR.LS/PVC insulated single core copper conductor cable of same size for earthing as required.(Make:-KEI,Anchor,SSK )						
4.01	2x6.0 Sq. mm.	5	Metre	630	Rupees Six hundred thirty only.	P/Mtr	3150
5	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required.(Make:-KEI,Anchor,SSK )						
5.01	3x1.5 Sq. mm.	22	Metre	111	Rupees One hundred eleven only.	P/Mtr	2442
6	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..(Make:-Legrand (Myrius),L&T(Oris/Entice),Anchor(Roma plus)SSK	2	Nos	280	Rupees Two hundred eighty only.	Each	560
7	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:-						
7.01	Single pole. Cat-A..Makes:- L&T/Legrand/Schneider.	4	Nos	230	Rupees Two hundred thirty only.	Each	920
8	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
8.01	40 Amps. Cat-A..Makes:- L&T/Legrand/Schneider	1	Nos	460	Rupees Four hundred sixty only.	Each	460
9	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required.						

9.01	40 Amps, Cat-A, Makes:- L&T/Legrand/Schneider	1	Nos	2739	Rupees two thousand seven hundred thirty nine only.	Each	2139
10	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:-						
10.01	Double door 8 way .Makes:- L&T/Legrand/Schneider.	1	Nos	1883	Rupees One thousand eight hundred eighty three only.	Each	1883
11	Providing Installation testing and commissioning of ceiling fan with socket size modular seo type electronicfanregulator including wiring the down rods of standardlength (Up to20 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.						
11.01	Ceiling Fan 1200 mm sweep, Category-A Makes:-Usha Technic plus 3star/Bajaj Three Star.	8	Nos	3038	Rupees three thousand thirty eight only.	Each	24304
12	Supplying and fixing surface mounting Round type LED 15 Watt ( 1650 ), 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.						
12.01	Cat No :- WIPRO (LD06-171-XXX-57SMGI)Round 15 W/ Panasonic/Bajaj or Equivalent	6	Nos	3248	Rupees three thousand two hundred forty eight only.	Each	19488



13	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.							
13.01	Car No :- WIPROX LL20-281-XXX-65AL1-20W-Tube Light 4 Feet Long/Panasonic/Bajaj or equivalent.	16	Nos	1686	Rupees One thousand six hundred eighty six only.	Each	26976	
14	Supplying and fixing LED Flood Light 60 Watt (6600 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.							
14.01	Car No :- WIPROX LF19-711-060-57-XX-60Watts/Panasonic/Bajaj or equivalent.	2	Nos	9454	Rupees Nine thousand four hundred fifty four only.	Each	18908	
15	Earthing with G.I. pipe 4.5 Mtr. 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 and salt ) Complete as required.	1	Sets	4199	Rupees Four thousand one hundred ninety nine only.	Per Set	4199	
16	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	
17	Providing and fixing 6 SWG (4 mm dia.) G.I. wire on surface or in recess for loop earthing as required.	20	Metre	50	Rupees fifty only.	P/Mtr	1000	
	<b>TOTAL</b>						<b>175925</b>	

Executive Engineer,  
Electrical Division,  
HPPWD., Una.

DRAFT SCHEMATIC OF QUANTITY

Job No. 22

DRAFT SCHEDULE OF QUANTITY							Job No. 22
Name of work :- Construction of additional accommodation (02 rooms alongwith study) case at Govt. Sr. Sec. School Sakroh Tehsil (Chenari) Distt. Faisl (P.S.H) - Providing E.L. there in).							
Estimated Cost:- Rs. 1,31,772/- Earned Money:- Rs. 2,700/- Time Limit:- One Year.							
Sr. No.	Description of item	Quantity	Rate	In Fig.	In Words.	Unit	Amount
1	Wiring for light point, fan point / exhaust fan/ cell bell point with 1.5 sq.m. PVC insulated heat resistant flame retardant (HRT/R) and low smoke single core (flexible) copper conductor cable in surface/ recessed steel conduit and starting the light point with 1.5sq.m. HRT/R/S/PVC insulated single core copper conductor cable as required (Material Legend, L&T, Anchor)						
101	Anchor C	31	1490		Rupees One thousand four hundred ninety only	Each	45890
2	Wiring for power plug with 2 sq sq.m. PVC insulated heat resistant flame retardant (HRT/R) and low smoke single core (flexible) copper conductor cable in surface/ recessed steel conduit along with 1 NO 2 sq.m. HRT/R/S/PVC insulated single core copper conductor cable for earthing as required (Finolex/Anchor/KEL/Phos make)	14	470		Rupees four hundred sixteen only	Per metre	582
3	Wiring for power plug with 1/2 sq.m. PVC insulated heat resistant flame retardant (HRT/R) and low smoke single core (flexible) copper conductor cable in surface/ recessed steel conduit along with 2 NO 4 sq.m. HRT/R/S/PVC insulated single core copper conductor cable for earthing as required (Finolex/Anchor/KEL/Phos make)	10	671		Rupees Six hundred seventy one only	Per metre	6710
4	Wiring for electric sub meter with following size PVC insulated heat resistant flame retardant (HRT/R) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No HRT/R/S/PVC insulated single core copper conductor cable same size for earthing as required (KEL, Anchor, Finolex/Phos make)						
102	2x1.5sq.m.	38	301		Rupees three hundred one only	Per metre	11438
4 102	2x1.1sq.m.	3	715		Rupees Seven hundred three only	Per Metre	2145
5	Supplying and Laying following size of PVC insulated heat resistant flame retardant (HRT/R) and low smoke single core (flexible) copper conductor cable in existing surface/recessed steel/PVC conduit as required in 3x1.5sq.m. (KEL, Anchor, Finolex make)	22	97		Rupees Ninety seven only	Per metre	2154
6	Supplying and Laying following rating Piano-type switch/socket on the existing switch box / cover including connections etc. as required (SSK/Anchor/ELT)						
6 01	S.P. S. 6 Amps one way switch plate type	4	29		Rupees twenty nine only	Each	116
6 02	S.P. S. 6 Amps socket outlet, porcelain base plate type	4	82		Rupees Eighty two only	Each	328
7	Supplying and fixing metal box of 180mmx180mmx60mm deep (nominal size) on surface/recessed with suitable wire grommet, laminated sheet cover on the front including providing and fixing a Pin 15/16 ampere socket outlet and 15/16 ampere pin type switch connection, painting etc. as required (SSK/Anchor/ELT)	2	516		Rupees three hundred sixteen only	Each	1032



8	Supplying and fixing metal box of (minimum) 100mm (minimum) deep (internal size) on surface covered with suitable non-ferrous laminated sheet cover in the form including providing and fixing 5 Pin 56 strips socket outlet and 56 strips plate type switch, connection, putting etc as required (SSS, switch & 1)	1	217	Hopper Two hundred seventeen only	Each	424
9	Supplying and fixing flexible fabric angle binder including connectors etc as required	0	60	Hopper Sixty only	Each	360
10	Supplying and erection of 5 Amp to 15 Amp rating 30 KA breaking capacity 240 volts C class miniature circuit breaker of following make in the existing MCB DB complete with accessories etc as required (Circuitry-A, Hopper, ABUL & 1 make)	3	247	Hopper Two hundred forty seven only	Each	1235
11	Supplying and erection of 1000 VA rating 10 KA breaking capacity 240 volts C class miniature circuit breaker of following make in the existing MCB DB complete with accessories etc as required (Circuitry-A, Hopper, ABUL & 1 make)	1	865	Hopper Three hundred eighty five only	Each	185
12	Supplying and fixing of following wiring, double pole (single phase & neutral) 240 volts, double circuit, circuit breaker (MCB) having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with accessories, testing and commissioning etc as required (Circuitry-A, Hopper, ABUL & 1 make)	1	2782	Hopper Two thousand two hundred eighty two only	Each	2782
13	Supplying and fixing of following wire, single pole and neutral sheet steel MCB distribution board 240 volts, on surface term, complete with internal copper bus bar, wire-set neutral link, earth bar, etc the detachable gland plate binding plate, cable, identification labels interconnections, physical and powder painted, including earthing etc as required including carriage of material with in all lands and lifts					
13.01	12 nos Double door (Hopper, ABUL & 1 make)	1	1945	Hopper One thousand nine hundred forty five only	Each	1945
14	Earthling with 61 earth pipe 4.5 meter long and 40 mm dia including accessories and providing mounting enclosure with cover plate having locking arrangement and warning pipe etc with channel or sole with complete as required	1	6277	Hopper Six thousand two hundred seventy seven only	Per Set	6277
15	Supplying and laying 80MM K.T. wire as it 50 meter below ground level for earth electrode connection including softening etc as required including carriage of material with in all lands and lifts	30	71	Hopper Seventy one only	Per Meter	2130
16	Providing, installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 1000/20 mm twin twisted flexible, woven braided, copper cable, including providing and fixing phenolic laminated sheet cover in the fan box and earthing etc as required (Circuitry-A, Hopper, ABUL & 1 make)					
16.01	Ceiling Fan 1200 mm square	8	2872	Hopper Two thousand eight hundred seventy two only	Each	22976
17	Supplying and fixing fan box made of MS sheet with size and 12mm in place of junction box complete with Bladed Blade cover as required	8	44	Hopper Forty four only	Each	352
18	Supplying and fixing LED Bulb 20 watts PC Housing with perfectable diffuser and a shield the complete with specification 600-80, 6000 K, length 110/22/150 (down angle 20 degree suitable for spot lighting 80/220 with 50 110, Voltage rating upto 2 KV, complete with all necessary accessories, testing and commissioning etc as required (Phosmatic PHS1M120/10K Phillips, Teco make)	13	593	Hopper Five hundred ninety three only	Each	7709

