



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

5048-72

Dated 5/12/24

To

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

Subject: -


Regarding publication of Tenders Notice.

Sir,

"JAI HIND"

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

DA:-As above.


Executive Engineer,
Electrical Division,
HPPWD, Una.

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

1. The Superintending Engineer, 2nd Electrical Circle, HPPWD, Dharamshala.
2. The Assistant Engineer, Electrical Sub Division, HP PWD Una/Hamirpur & 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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NOTICE INVITING TENDER

Engineer, Electrical Division HPPWD Una, in form No.6 & 8 on behalf of Governor of H.P. for the works from the contractors of appropriate class enlisted with HPPWD (Electrical). The tenders shall be opened on **16-12-2024** in the presence of contractors/firms or their authorized representative who wish to be present.

The copy of **Valid enlistment** and renewal certificate along with C.Pan No., and EPF No. shall be attached with application form. The offer of the tender shall remain open from the date of opening of the tenders. The undersigned reserves the right to reject/cancel the tenders for any reason. The tender form will be issued to only those contractors who qualify the criteria and shall be subject to the scrutiny of application forms by the committee constituted for the purpose.

TIME SCHEDULE OF TENDER

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|----|--|-----------------------------|
| 1. | Last date of receipt of application :- | 13-12-2024 up to 1.00 P.M. |
| 2. | Date of sale of tenders :- | 13-12-2024 up to 5.00 P.M. |
| 3. | Last date of receipt of bids :- | 16-12-2024 up to 11.30 A.M. |
| 4. | Date of bid opening :- | 16-12-2024 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	Annual Comprehensive Maintenance Contract (AMC) of 01 Nos. Passenger Lift (Johnson make) in Dr. RKGMC Hamirpur, Distt. Hamirpur (H.P) (For the year 2024-25)	2,40,012 /-	4,800/-	One year	350/-	Specialized Job
2	Replacement of old/damaged accessories, E.I. in Hon'ble Distt. & Session Judge residence at Hamirpur Distt. Hamirpur HP	4,59,662/-	9,200/-	Six month	350/-	Class-C,B
3	Replacement of Burnt PCB, Stabilizers and shifting of Air-conditioner in combined office Nadaun Distt. Hamirpur (HP)	36,501/-	800/-	Six month	350/-	Specialized Job
4	C/o 02 Nos. class rooms Ground floor at Govt. Sr. Sec. School Mawa Kohlan, Tehsil Ghanari at Distt. Una H.P. (SH:- Providing E.I. therein)	1,27,783/-	2,600/-	One year	350/-	Class-D,C
5	Annual Comprehensive Maintenance Contract (AMC) of 01 No. 10 Passenger Lift (Johnson make) in ADR Centre at Una Distt. Una (H.P) (w.e.f. One year from awarded date)	1,21,422/-	2,500/-	One year.	350/-	Specialized Job


	C/o Mini Secretariat building at Una (HP) (SH:- Providing LED Luminaires, Cob lights, Mirror Lights, LED strips, Focus lights, Chandelier therein)	4,99,841/-	10,000/-	Six months	350/-	Class-C,B
7	C/O Store Room & Toilet Block in S.E. 10 th Circle at Bilaspur in Distt. Bilaspur (H.P)(SH:- Providing E.I. therein)	1,08,744/-	2,200/-	Six months	350/-	Class-D,C
8	A/A & M/O of various type of different capacity Air Conditioners , installed in various N.R. building under Electrical Sub-Division, HP.PWD., Bilaspur (Ghumarwin Section) for the year 2024-25.	84,550/-	1,700/-	Six months	350/-	Specialized Job
9	C/O State Vigilance and Anti Corruption Bureau building at Bilaspur (H.P) (SH:- Providing Two Nos. 1.5 ton capacity Split type Air Conditioner in the Attic Floor).	1,23,907/-	2,500/-	Six months.	350/-	Specialized Job
10	A/R & M/O of various Govt. building under ESD Bilaspur (SH:- Replacement of damaged Electrical Accessories in various Govt. building under ESD Bilaspur in Distt. Bilaspur (H.P)(SH:- Chargeable to R/M of E.I. in various Govt. Residential buildings at Bilaspur)	2,70,168/-	5,400/-	Six months.	350/-	Class-D,C
11	Replacement of E.I. in Directorate of Fisheries building in Distt. Bilaspur (H.P) (SH:- Providing Intercom Networking and Computer Networking therein).	98,166/-	2,000/-	Six months.	350/-	Class-D,C
12	Providing & Fixing 3 Nos. Air Conditioner 1.5 ton capacity in Office of Assistant Engineer, HP.PWD Sub-Division Kuthera Beri & A.E. Residence Sub-Division No 2 Bilaspur in Distt. Bilaspur (H.P).	1,89,203/-	3,800/-	Six months.	350/-	Specialized Job
13	Supplying Installation ,Testing & Commissioning Manual operated Fire Alarm , Hose reels, Extinguishers in PHC SERA Tehsil Nadaun Distt Hamirpur HP	4,43,603/-	8,900/-	Six months.	350/-	Specialized Job
14	Annual Comprehensive Maintenance Contract (AMC) of 1 No. 13 Passenger Lift (Kone make) in Mini Secretariat building at Nadaun Distt. Hamirpur (H.P)for the year 2024-25.	1,25,325/-	2,500/-	One year.	350/-	Specialized Job
15	Providing and fixing weather proof 10 Sq.mm wire for flood Lights in Regional Hospital at Una Distt. Una (H.P).	72,840/-	1,500/-	Six months.	350/-	Class-D,C

16	Providing Service & Maintenance for 5 KVA DG sets installed in Judicial Court Complex Hamirpur, Nadaun & Barsar	79,158/-	1,600/-	One year	350/-	Specialized Job
17	Replacement of old/damaged Post lantern in HPPWD colony at Hamirpur (Matani) Distt. Hamirpur (H.P)	1,07,123/-	2,100/-	Six Months	350/-	Class-D,C
18	Supplying, Installation, Testing & Commissioning 2 KVA Inverter in S.E. Camp office Hamirpur (H.P)	92,279/-	1,900/-	Two Months	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

Name of Work:- Annual Comprehensive Maintenance contract (AMC) of 1 No. Passenger lift (Johnson make) in Dr. RKGMC Hamirpur Distt Hamirpur (H.P.) (For the year 2024-2025).

Estimated cost:- Rs. 2,40,012/-
Earnerst money:- Rs. 4,800/-
Time Limit :- One year.

S. No.	Description	Quantity	Unit	Rate Fig.	In Words.	Amount
1.00	Regular examination, lubrication and Adjustment of the equipment and planned maintenance in the systematic manner and replacement of parts as detailed below:-					
1.01	(i) Renew all wires ropes and chain to maintain an adequate factor of safety, to equalie tension on all hoisting ropes, repair or replace conductor cables and hoist way and machine room elevator wiring.					
1.02	(ii) Systematic examining and adjustment of following machine, worn gear, Thrust bearings Drives sheaves, Drive shelves bearings, brake contract, linings and components, Motor generator, Motor windings, rotating elements, commutator, brushes brush holder, bearings, coils, resistance for operating and Motor circuit, magnet frames and other mechanical parts, controller, selector leveling, devices cams, relays, solid state components e.g PCB's transducers, resistance, condensers, power amplifier, transformers, contract, leads, dashpots timing devices, Steel selector tapes and mechanical and electrical driving equipment Governor, Governor sheave, shaft assembly bearings and Governors jaws, cr and 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 counter weight guide rails and buffers, top and bottom 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	(iii) Examine periodically all safty devices and governor and all customary safty test.					
1.04	(iv) The firm will provide emergency minor adjustment all back services 24 hours as all working days as well as holidays/ Sunday. The firm will maintain the lift in reliable and efficient operating connections.					
1.05	(Machine No. L-J6797)	1.00	Job	240012	Ruppes Two Lac. Forty thousand twelve only.	240012
TOTAL:						240012

Executive Engineer,
Electrical Division
HP.PWD., Una

Job No. 2

DRAFT SCHEDULE OF QUANTITY

Estimated cost:- Rs. 4,59,662/-	
Earnest money:- Rs. 9,200/-	
Time Limit:- Six months.	

Name of work:- Replacement of old/damaged accessories, E.I in Hon'able Distt & Session Judge Residence at Hamirpur Distt hamirpur HP

S. 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 pvc conduit heavy class having wall thickness 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 (Myritus) as approved by Engineer-In-Charge					
1.01	Group B	54	Each	963	Ruppes Nine hundred sixty three only.	52002
2	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ pvc conduit heavy class having wall thickness 2.0 mm as required. Make:- Polycab/ KEI/ Finolex or its equivalent as approved by Engineer-In-Charge					0
2.01	2 x 1.5 sq. mm	55	meter	71	Ruppes Seventy one only.	3905
2.02	3 x 1.5 sq. mm	135	meter	100	Ruppes One hundred only.	13500
2.03	3 x 4 sq. mm	220	meter	220	Ruppes Two hundred twenty only.	48400

2.04	3 x 10 sqmm	5	meter	538	Rupees Five hundred thirty eight only.	2690
3	Supplying and fixing following Modular type switch/ socket on the existing switch box/ cover including connections etc. as required. Make :-Anchor (Roma classic) //L&T(Entice/ Legrand(Myrius) as approved by Engineer-In-Charge					0
3.01	5/6 amp switch	25	Each	93	Rupees Ninety three only.	2325
3.02	3 pin 5/6 amp socket outlet	20	Each	136	Rupees One hundred thirty six only.	2720
3.04	15/16 amp switch	18	Each	164	Rupees One hundred sixty four only.	2952
3.05	6 pin 15/16 amp socket outlet	18	Each	231	Rupees Two hundred thirty one only.	4158
3.06	TV socket	1	Each	159	Rupees One hundred fifty nine only.	159
3.07	Telephone socket outlet	1	Each	159	Rupees One hundred fifty nine only.	159
3.08	Fan regulator	8	Each	422	Rupees Four hundred twenty two only.	3376
3.09	Bell push	1	Each	186	Rupees One hundred eighty six only.	186
3.10	2 way 5 switch	6	Each	152	Rupees One hundred fifty two only.	912
3.11	Blanking plate	20	Each	40	Rupees Forty only.	800
4	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(Myrius) as approved by Engineer-In-Charge					0

4.01	1 or 2 Module (75mmX75mm)	2	Each	251	Rupees Two hundred fifty one only.	502
4.02	4 Module (125mmX75mm)	1	Each	284	Rupees Two hundred eighty four only.	284
4.03	6 Module (200mmX75mm)	2	Each	425	Rupees Four hundred twenty five only.	850
5	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required. Make :- Anchor (Roma classic)/L&T(Entice)/ Legrand(Myrius) as approved by Engineer-In-Charge					0
5.01	1 or 2 Module	4	Each	132	Rupees One hundred thirty two only.	528
5.02	3 Module	3	Each	147	Rupees One hundred forty seven only.	441
5.03	4 Module	19	Each	171	Rupees One hundred seventy one only.	3249
5.04	6 Module	4	Each	225	Rupees Two hundred twenty five only.	900
6	Supplying and fixing 25 amp single phase motor starter on the existing modular plate & switch box including connections etc. as required. Make :-Anchor (Roma classic)/L&T(Entice)/Legrand(Myrius) as approved by Engineer-In-Charge	6	Each	382	Rupees three hundred eighty two only.	2292

7	Supplying and fixing suitable size G.I box with modular plate and cover in front on surface or in recess, including providing and fixing 3 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(Myrius) as approved by Engineer-In-Charge	2	Each	469	Rupees Four hundred sixty nine only.	938
8	Supplying and fixing suitable size G.I box with modular plate and cover in FRLSont on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required. Make :-Anchor (Roma classic)/L&T(Entice)/Legrand (Myrius) as approved by Engineer-In-Charge	2	Each	621	Rupees Six hundred twenty one only.	1242
9	Supplying and fixing of following sizes of medium class pvc conduit heavy class having wall thickness 2.0 mm along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. Diplast/BEC/Polyfit or its equivalent as approved by Engineer-In-Charge					0
9.01	25 mm	230	mtr	99	Rupees Ninety nine only.	22770

10	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 three star/Orient/Crompton as approved by Engineer-in-charge(Five year warranty)	8	Each	3470	Rupees three thousand four hundred seventy only.	27760
11	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, Bajaj, Crompton or its equivalent as approved by Engineer-in-charge(Five YEAR WARRANTY)	1	Each	3041	Rupees three thousand forty one only.	3041
12	Providing and installation exhaust fan of 300 mm light duty (Domestic type) 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/Orient/ Crompton as approved by Engineer-In-Charge (Five year warranty)	4	each	2567	Rupees Two thousand five hundred sixty seven only.	10268
13	Supplying and fixing exhaust fan louver shutter for 300 mm. exhaust fan on the existing wall, painting etc, as required,	4	each	600	Rupees Six hundred only.	2400
14	Supplying and fixing Ding Dong bell suitable for single phase, 230 volts, complete as required.	1	Each	206	Rupees Two hundred six only.	206

15	Supplying and fixing batten/ angle holder including connection etc. as required. Make :- Anchor (Roma classic), L&T (Entice), Legrand (Myrius) or its equivalent as approved by Engineer-In-Charge	9	each	88	Rupees Eighty eight only.	792
16	Supplying and fixing of fancy wall bracket of chrome finish colour with opal glass diffuser made of mild steel, with single holder containing thread type LED lamp holder(s) of all sizes and shapes, complete with all accessories but excluding led lamp including making connections, testing etc. as required. Make Philips/Jaquar /Decon as approved by Engineer-In-Charge (Five year warranty)	6	each	1849	Rupees One thousand eight hundred forty nine only.	11094
17	Supplying and fixing of LED bulk head fitting 12 watt with all accessories including making connections, testing etc. as required Make Panasonic/Wipro /Philips as approved by Engineer-In-Charge (Five year warranty)	1	each	1420	Rupees One thousand four hundred twenty only.	1420
18	Supplying and fixing round surface type LED downlighter following watts, aluminium housing, 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:- Jaquar/Philips/ wipro as approved by Engineer-in-Charge (five year warranty)					0
18.01	12 watt	1	Each	603	Rupees Six hundred three only.	603
18.02	15 watt	10	Each	1030	Rupees One thousand thirty only.	10300

19	Supplying and fixing street light LED 45 watt with G.I bracket die cast Aluminium housing with frame and toughened glass, IP 66 Protection, 5700k, 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/Philips/wipro as approved by Engineer-in-Charge(Five year warranty)	1	Each	3276	Rupees three thousand two hundred seventy six only.	3276
20	Providing and installation 9 watt 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 as approved by Engineer-in-Charge (Five year warranty)	15	Each	113	Rupees One hundred thirteen only.	1695
21	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/ Hager/ABB or its equivalent as approved by Engineer-in-charge.(Five year warranty)					0
21.01	Single pole	5	Each	261	Rupees Two hundred sixty one only.	1305

22	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 as approved by Engineer-in-charge.(Five year warranty)	1	Each	1139	Rupees One thousand one hundred thirty nine only.	1139
23	Supplying and fixing 63 amp rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current 100 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.-Make:- L&T/ Schneider/ABB as approved by Engineer-in-charge.(Five year warranty)					0
23.01	63 amp	1	Each	3377	Rupees three thousand three hundred seventy seven only.	3377
24	Supplying and fixing true power make advanced earthing system having copper pipe 2meter long 50 mm dia with terminal size 50x6 mm ,internal strip size 25x3 with 25 Kg compound including exvaton of pit and refiling the same and making earthing pit cover 13 inch dia as required complete in all respect. make :-True power /Earth plus/Ashloka as per best satisfaction of Engineer-in-charge.	1	Each	5184	Rupees Five thousand one hundred eighty four only.	5184
25	Providing and fixing 6 SWG G.I wire on surface or in recess for loop earthing as required	40	meter	40	Rupees Forty only.	1600

26	Providing and fixing of following type surface mounted luminaire LED batten ,having high Quality design aluminium extruded decorative end caps and it should be compatible with specification i.e. ,6500k , 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 as approved by Engineer-In-Charge (Five year warranty)					0
26.01	10 watt	4	each	462	Rupees Four hundred sixty two only.	1848
26.02	22 watt	7	each	668	Rupees Six hundred sixty eight only.	4676
26.03	36 watt	1	each	1147	Rupees One thousand one hundred forty seven only.	1147
27	Providing and installation of stationary storage type Electric water heater (Geyser) of following capacity digital display type various sizes by means of expansion-bolts with nuts and washers, ELCB protection, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:- Make:- Usha/Jaquar/Recold or approved by Engineer-in-charge. (Five year warranty)					0
27.01	10 liter	1	Each	10005	Rupees Ten thousand five only.	10005
27.02	25 liter	3	Each	18178	Rupees Eight thousand one hundred seventy eight only.	54534

28	Providing and fixing of Post Top Lantern (light House), E-27 base lamp holder of suitable size, excluding lamp complete with all accessories, connections, testing and commissioning etc.as required .Make :- Twinkle/ K-lite / panasonic or as approved by Engineer-in-charge. (Five year warranty)	6	each	5912	Rupees Five thousand nine hundred twelve only.	35472
29	Supplying and fixing of monkey meanance 1 meter from top to bottom for steel tublar pole having dia 76 and top of post top lantern mm i/c painting, screws, etc complete in all respect as required.	6	each	650	Rupees Six hundred fifty only.	3900

30	Supplying and erection of decorative Galvanised mild steel pole of 3 Meter long having 114 mm dia at bottom and 60 mm at top with cast aluminium embellishments . The pole are primer coated and painted with polyurethane paint.The pole has aservice window at bottom comprising four way 25 amp connector terminal and a mcb.The pole has mild stel base plate having four nos. mounting holes and can be mounted four nos. anchor bolts. having nominal bore dia. 100 mm and dia. 4.85 mm thickness, planting depth 120 cm with pit depth 135 cm including fixing up to a given depth below G/L.The hole of excavation about 30 cm dia. and given depth to be filled in up to 15 cm below G/L with 1:3:6 cement concrete and there above plinth with 1:2:4 cement concrete up to a height of 45 cm from G/L. The radial thickness of the plinth above G/L should not be less than 6.35 cm and sufficient to completely flush a 180 mmx100 mmx 45 mm deep, glass filled Nylan F.R. grade box for housing a 16 Amp. MCB, the outer surface of the plinth to be finished with 1:3 cement plaster 6 mm thick, complete in all respects as required:-MAKE :-Twinkle/ Mayfaire / Bajaj	4	each	13944	Rupees thirteen thousand nine hundred forty four only.	55776
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31	Providing & Laying of one number aluminium conductor, PVC insulated and PVC sheathed armoured/ XLPE power cable, 1.1 KV grade of following sizes direct in ground including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering. Make:- Finolex/ KEL/havells or as approved by Engineer-in-Charge					0
31.01	Armoured cable 6 sqmm(twin core)	65	mtr	297	Rupees Two hundred ninety seven only.	19305
32	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, detachable gland plate, interconnections, with appropriate rating copper lugs, gland, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) Make L&T/ Hager/ABB or as approved by Engineer-in-charge. (Five year warranty)					0
32.01	MCBDB 4 WAY double door	1	each	1425	Rupees One thousand four hundred twenty five only.	1425
32.02	MCBDB 16 WAY double door	1	each	3405	Rupees three thousand four hundred five only.	3405
33	Supplying and fixing cable junction box IP 66 Protection with integrated membranes for cable entry back, with all accessories including connections etc as required Make Hansal (Cat no DK0606B) / Sintex or as approved by Engineer in charge	1	each	1295	Rupees One thousand two hundred ninety five only.	1295

34	Supplying and laying G.I pipe of 50 mm. dia (A Class) surface / recess In ground/ Wall etc, as required complete in all respect .make:-jindal/tata/AKG	4	meter	567	Rupees five hundred sixty seven only.	2268
35	Providing and installation of following Watts LED Lamp minimum 100 lumen per watt polycarbonate diffuser and aluminium heat sink including connections, etc. as required.:Make :-jaquar/ wipro/ Philips or its equivalent as approved by Engineer-in-Charge(Five year warranty)					0
35.01	30 watt	6	each	501	Rupees five hundred one only.	3006
36	Supplying and fixing of monkey meanance 1 Meter from top to bottom for steel tublar pole having dia 76 and top of post top lantern mm i/c paointing, screws. Etc. complete in all respect as required.	6	each	650	Rupees Six hundred fifty only.	3900
	Total					459662


 Executive Engineer,
 Electrical Division,
 HP.PWD., UN3


DRAFT SCHEDULE OF QUANTITY					Job No. 03		Estimated cost:- Rs. 36,501/-	
							Earnest money:- Rs. 800/-	
							Time Limit:- Six months.	
Name of Work:- Replacement of Burnt PCB, Stabilizers & Shifting of Air conditioner in Combined office Nadaun Distt Hamirpur HP								
Sr. No.	DESCRIPTION	Quantity	Unit	Rate In fig.	In Words.	Amount		
1	Dismantal of split type Air conditioner 1.5 ton and 1.8 AC complete in all respect. as required	1	each	1028	Rupees One thousand twenty eight only.	1028		
2	Installation of split type Air conditioner 1.5 ton and 1.8 AC complete in all respect. as required	1	each	1643	Rupees One thousand six hundred forty three only.	1643		
3	Providing, laying and fixing of interconnecting copper piping with Nitrite tublar insulation including gas charging AC indoor to outdoor for split type AC 1.5 ton and 1.8 AC as required complete in all respect.	8	mtr	1175	Rupees One thousand one hundred seventy five only.	9400		
4	Supplying and drawing copper conductor 4 core 2.5 Sqmm industrial cables & PVC insulated, PVC round sheathed multicore industrial Cables as required complete in all respect.	5	mtr	205	Rupees Two hundred five only.	1025		
5	supplying and fixing PVC drain pipe 25 mm complete in all respect as required.	9	mtr	123	Rupees One hundred twenty three only.	1107		
6	Providing and fixing PCB of Inverter Split type Air conditioner of indoor unit Make voltas/Daikin/Blue star	1	each	7500	Rupees Seven thousand five hundred only.	7500		
7	Replacement of fan motor for outdoor unit voltas/Daikin/Blue star make complete in all respect	1	each	3200	Rupees Three thousand two hundred only.	3200		
8	Supplying and fixing of voltage stabilizer upto 4 KVA having specification Digital display, led indicator & audible alarm, Input voltage range 150-265V, & built in protection ,over voltage , Under voltage , overload, short circuits high temperature, and low oil levels and also have bypass switchin ,efficiency 98%,torodial core including connections, testing and commissioning as required: Make:- Microtek/V Gaurd / voltas /dolphin or as approved by Er-in-charge(Warranty Three year on site)	3	each	3866	Rupees Three thousand eight hundred sixty six only.	11598		
						36501		

Executive Engineer,
Electrical Division,
HP.PWD, Una

Draft Schedule of Quantity

Job No. 04

Estimated cost:- Rs. 127783/-

Earnest money:- Rs. 2600/-

Time Limit:- One year.

Name of Work:-C/O 2 Nos. Class rooms Ground Floor at Govt. Sr. Sec. School Mawa Kohlan, Tehsil Ghanari at Distt. Una H.P. (SH :- Providing E.I. there in)

Sr.No.	Description of Item	Quantity	Unit	Rate in fig.	Rate in words	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. 5sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required. (Make:-SSK/L&T/Anchor Panasonic)					
1.01	Group C	23	Each	1625	Rupees One thousand six hundred twenty five only.	37375
2	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. 2 sq.mm. HRFRLS/PV C insulated single core copper conductor cable for earthing as required. (Make :- Finolex/Anchor/KEI)	16	P/mtr.	395	Rupees Three hundred ninety five only.	6320
3	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. HRFRLS/PV C insulated single core copper conductor cable for earthing as required. (Make :- Finolex/Anchor/KEI)	10	P/mtr.	703	Rupees Seven hundred three only.	7030
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. HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required. (Make :- Finolex/Anchor/KEI)					
4.01	a) 2x1.5sq.mm.	26	P/mtr.	282	Rupees Two hundred eighty two only.	7332
4.02	c) 2x10sq.mm.	1	P/mtr.	696	Rupees Six hundred ninety six only.	696
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. a) 3x1.5sq.mm. (Make :-Finolex/Anchor/KEI)	12	P/mtr.	100	Rupees One hundred only.	1200
6	Supplying and fixing following rating Piano-type switch /socket on the existing switch box / cover including connections etc. as required.(Make :- SSK/Anchor Penta/L&T)					
6.01	S.P. 5/ 6 Amps one way switch, piano type.	2	Each	42	Rupees Forty two only.	84

6.02	5 pin 5/ 6 Amps socket outlet, porcelain base/ piano type.						
7	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in FRLS on including providing and fixing 3 pin 5/6 amps socket outlet and 5/6 amps piano type switch, connection, painting etc. as required. (Make :- SSK/Anchor Penta/L&T)	2	Each	57	Rupees Fifty seven only.	114	
8	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in FRLS on 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. (Make :- SSK/Anchor Penta/L&T)	2	Each	265	Rupees Four hundred six only.	530	
9	Supplying and fixing bakelite batten /angle holder including connections etc. as required.	2	Each	406		812	
10	Supplying and erection of 6Amp to 32Amps rating 10 KA breaking capacity, 240 volts 'C' curves miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required. Category-A. (Make :-Hager/Anchor/L&T)	6	Each	239	Rupees Two hundred thirty nine only.	1434	
11	Supplying and erection of 40 Amps 240 volts 'Isolator in the existing MCB DB complete with connections etc. as required. Double pole Category-A. (Make :-Hager/Anchor/L&T)	1	Each	426	Rupees Four hundred twenty six only.	426	
12	Supplying and fixing of following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB) having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. a) 40Amp Category-A. (Make :-Hager/Anchor/L&T)	1	Each	2272	Rupees Two thousand two hundred seventy two only.	2272	
13	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface/recess, complete with tinned copper bus bar, wire-set neutral link, earth bar, din bar, detachable gland plate blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required including carriage of material with in all leads and lifts. (Make :-Hager/Anchor/L&T)						
13.01	12 way Double door	1	Each	2055	Rupees Two thousand fifty five only.	2055	
14	Providing, Installation, testing and commissioning of ceiling fan without regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required:- Make :-Usha-Technixplus BEE 3star ISI/CromptonWWHE ISI mark/ Bajaj 3 Star rated model)(with 5 year warranty) to the best satisfaction of Engineer in charge at site						
14.01	a) Ceiling Fan 1200 mm sweep,	8	Each	3580	Rupees Three thousand five hundred eighty only.	28640	

15	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. Make :-Anchor Penta/L&T/SSK	8	Each	258	Rupees Two hundred fifty eight only.	2064
16	Supplying and fixing fan box made of M.S. sheet with iron rod Hook 12mm in place of junction box complete with Bakelite Round sheet as required. Make :-National/Anchor	8	Each	101	Rupees One hundred one only.	808
17	Providing and fixing LED Batten light of IP20 Led fixture 20 W+/- 1W with Surface Mounted 4 Feet with Polycarbonate diffuser with Extruded aluminium housing having minimum system lumen output 1000 lumens and system lumen efficacy of 100 lm/W with P.F.>0.95 with THD<20% ,CRI 80 .The LED with Useful life of 25000 Hrs at L70 . The LEDs used in the luminaire shall have CCT of ANSI Bin 6500 K with CRI of minimum 80.The input voltage range shall be 150V to 270V, 50/60 HZ complete with all accessories, including connections, testing and commissioning etc.as required complete in all respects.Make :- Wipro List Price 01/2024. Cat no. LL20-281-XXX-65-AL1/Panasonic PBTM2520A/Philips BN021LED40S-6500PSUGR (with 5 year warranty) to the best satisfaction of Engineer in charge at site	13	Each	972	Rupees Nine hundred seventy two only.	12636
18	Supplying and fixing LED Lamp 9 watts ,900 Lumens 240 volts AC,supply 50 Hz in the existing batten holder,pendent holder,wall bracket & bulk head fitting etc, as required.(Make :- Philips /Tisva/Panasonic PBUM01097)	2	Each	153	Rupees One hundred fifty three only.	306
19	Earthing with G.I. Pipe 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 4.5 metre long etc. with charcoal/ coke and salt as required.	1	Each	5935	Rupees Five thousand nine hundred thirty five only.	5935
20	Providing and fixing 6 SWG (5 mm dia.) G.I wire on surface or in recess for loop earthing as required.	30	P/mtr.	50	Rupees Fifty only.	1500
21	Providing and fixing street light LED 25 watts,5700K,IP66,110 lm/w,with pressure die cast aluminium housing UV stabilized with IP diffuser on the existing pole with suitable G.I bracket including connections etc.as required,complete in all respects and best satisfaction of Engineer-in-charge at site Make :- Panasonic.Cat.NoPSTM27258/Wipro LR-26-371-XXX-65-XX/Philips (with 5 year warranty) to the best satisfaction of Engineer in charge at site	2	Each	4019	Rupees Four thousand nineteen only.	8038
	Total					127783

Executive Engineer,
Electrical Division,
HP.PWD, Una

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DRAFT SCHEDULE OF QUANTITY

Job No. 05

Estimated cost:- Rs. 1,21,422/-

Earnest money:- Rs. 2,500/-

Time Limit:- One year.

Name of Work:- Annual Comprehensive Maintenance contract (AMC) of 1Nos. 10 Passenger Elevator (Johnson make) in ADR Centre at Una Dist. Una (H.P) HP (w.e.t. One year from awarded date)

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	(i) Renew all wires ropes and chain to maintain an adequate factor of safety, to equate tension on all hoisting ropes, repair or replace conductor cables and hoist way and machine room elevator wiring.	-	-	-	-	-
1.02	(ii) Systematic examining and adjustment of following machine, worn gear, Thrust bearings, Drives sheaves, Drive sheaves bearings, brake contract, linings and components, Motor generator, Motor windings, rotating elements, commutator, brushes brush holder, bearings, coils, resistance for operating and Motor circuit, magnet frames and other mechanical parts, controller, selector leveling, devices cams, relays, solid state components e.g PCB's transducers, resistance, condensers, power amplifier, transformers, contract, leads, dashpots timing devices, Steel selector tapes and Governors jaws, cr and hall mechanical button, car and hall governor sheave, shaft assembly bearings and all other car and landings as installed by Johnson, 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 bottom 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	(iii) Examine periodically all safety devices and governor and all customary safety test.	-	-	-	-	-
1.04	(iv) 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.	1.00	Job	121422	Rupees One Lac. Twenty one thousand four hundred twenty two only.	121422
1.05	(Machine No. L-K2620).					
TOTAL:						121422

Executive Engineer,
Electrical Division,
HPPWD, Una

Job No. 6

SCHEDULE OF QUANTITY

Estimated cost:- Rs. 4,99,841/-
Earnest money:- Rs. 10,000/-
Time Limit:- Six months.

Name of work :-C/O Mini Secretariat building at Una, Distt.Una (HP)(SH :-Providing LED Luminaires , Cob Lights, Mirror Lights, LED Strips, Focus Lights, Chandelier there in)

S. No.	Description	Quantity	Rate In fig.	In Words.	Unit	Amount
1	Supplying and fixing of Cob light 13 watts 4000 K IP 65 suitable for 220 to 240 volts single phase A.C.supply 50 HZ complete with connections etc. as required of Tisva/Wipro/Philips/Leksa make of similar specifications to the best satisfaction of Engineer-In-charge,complete in all	28	3315	Rupees three thousand three hundred fifteen only.	Each	92820
2	Supplying and fixing of Cob light 3 watts 4000 K suitable for 220 to 240 volts single phase A.C.supply 50 HZ complete with connections etc. as required of Tisva/Wipro/Philips/ Leksa make of similar specifications to the best satisfaction of Engineer-In-charge,complete in all respects.	4	226	Rupees Two hundred twenty six only.	Each	904
3	Supplying and fixing of Mirror light 15 watts 4000 K suitable for 220 to 240 volts single phase A.C.supply 50 HZ complete with connections etc. as required of Tisva/Wipro/ Philips/ Leksa make of similar specifications to the best satisfaction of Engineer-In-charge,complete in all respects.	2	4555	Rupees Four thousand five hundred fifty five only.	Each	9110
4	Supplying and fixing of Wall light single Excluding LED lamp suitable for 220 to 240 volts single phase A.C.supply 50 HZ complete with connections etc. as required of Tisva/Wipro/Philips/Leksa make of similar specifications to the best satisfaction of Engineer-In-charge,complete in all respects.	2	20340	Rupees Twenty thousand three hundred forty only.	Each	40680
5	Supplyuin and fixing of wall light 13 watts 4000 K suitable for 220 to 240 volts single phase A.C.supply 50 HZ complete with connections etc. as required of Tisva/Wipro/ Philips/Leksa make of similar specifications to the best satisfaction of Engineer-Incharge,complete in all respects.	4	2787	Rupees Two thousand seven hundred eighty seven only.	Each	11148

6	Supplying and fixing of Strip light 10 watts 4000 K IP 65 suitable for 220 to 240 volts single phase A.C. supply 50 HZ complete with connections etc, as required of Tisva/Wipro/ Philips/Leksa make of similar specifications to the best satisfaction of Engineer-In-charge, complete in all respects.	28.	2259	Rupees Two thousand two hundred fifty nine only.	Each	63252
7	Supplying and fixing of Focus light recess round 7.5 watts 3000 K suitable for 220 to 240 volts single phase A.C. supply 50 HZ complete with connections etc, as required of Tisva/Wipro/Philips/Leksa make of similar specifications to the best satisfaction of Engineer-In-charge, complete in all respects.	1	2787	Rupees Two thousand seven hundred eighty seven only.	Each	2787
8	Supplying and fixing of LED Lamp 4.5 watts 2700 K suitable for 220 to 240 volts single phase A.C. supply 50 HZ complete with connections etc, as required of Tisva/Wipro/ Philips/ Leksa make of similar specifications to the best satisfaction of Engineer-In-charge, complete in all respects.	22	269	Rupees Two hundred sixty nine only.	Each	5918
9	Supplying & fixing Modular blanking plate on the existing modular metal box as required. Make :- L&T/Legrand/Anchor.	38	20	Rupees Twenty only.	Each	760
10	Providing and installation of exhaust fan of 6" 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/Orient/Wadros/ Crompton	4	3753	Rupees three thousand seven hundred fifty three only.	Each	15012
11	Supplying and fixing of Recess mounting panel 18 watts 4000 K suitable for 220 to 240 volts single phase A.C. supply 50 HZ complete with connections etc, as required of Tisva/Wipro/Philips/Leksa make of similar specifications to the best satisfaction of Engineer-In-charge, complete in all respects.	15	1140	Rupees One thousand one hundred forty only.	Each	17100
12	Supplying and fixing of LED Crystal Cendilier suitable for 220 to 240 volts single phase A.C. supply 50 HZ complete with connections etc, as required of Tisva/Wipro/Philips/ Leksa make of similar specifications to the best satisfaction of Engineer-In-charge, complete in all respects.	1	13046	Rupees Thirteen thousand forty six only.	Each	13046
13	Supplying and fixing of PVC Pipe 6" dia underground 1 mtr. below ground level for laying the armoured cable etc, as required. Make :- Diplast/Polyfit/BEC.	287	792	Rupees seven hundred ninety two only.	P/mtr.	227304
Total :-						499841


EXECUTIVE ENGINEER
Electrical Division
H.P.P.W.D. UNA-174303
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DRAFT SCHEDULE OF QUANTITY						
		Job No. 07	Estimated cost:- Rs.1,08,744/-			
			Earnest money:- Rs. 2,200/-			
			Time Limit:- Six months.			
Name of work :- C/O Store room & Toilet Block in S.E 10th Circle at Bilaspur in Distt Bilaspur (H.P) (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 / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC 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 & as approved by the Engineer-in-charge.Make:- KEI/Finolex/Legrand /L&T).					
1.01	Group-C	29	1202	Rupees One thousand two hundred two only.	each	34858
2	Supplying and fixing G.I. Modular box 3 Module 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 & as approved by the Engineer-in-charge Make:- Legrand / L&T/ SSK.	4	469	Rupees Four hundred sixty nine only.	each	1876
3	Supplying and fixing G.I. Modular box of size 3 Module 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 & as approved by the Engineer-in-charge Make:- Legrand /L&T/ SSK.	3	621	Rupees Six hundred twenty one only.	each	1863
4	Supplying and fixing following rating Modular switch /socket/Bell Push on the existing switch box / cover including connections etc. as required. (Make:- Legrand(Myrius)/L&T(entice)/Anchor(Roma Plus).					
4.01	5 amp Modular Switch	5	93	Rupees Ninety three only.	each	465
4.02	5amp Modular Socket	5	136	Rupees One hundred thirty six only.	each	680


5	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HFRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HFRLS/PVC insulated single core copper conductor cable of same size for earthing as required. Make: Finolex/ KEL/ Anchor or as approved by Engineer -in -charge .						
5.01	2 x 1.5 Sq. mm + 1X1.5 sq.mm earth wire	45	198	Rupees One hundred ninety eight only.	P/Mtr	8910	
5.02	2 x 4 Sq. mm + 1X4 sq.mm earth wire.	15	311	Rupees Three hundred eleven only.	P/Mtr	4665	
5.03	2 x 6Sq. mm.+ 1X6 sq.mm earth wire.	18	432	Rupees Four hundred thirty two only.	P/Mtr	7776	
6	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:- Usha(TECHNIX PLUS)/Orient/Crompton as approved by Engineer-in -charge.						
6.01	Ceiling Fan 1200 mm sweep	2	3580	Rupees Three thousand five hundred eighty only.	each	7160	
7	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.Make :-Anchor (Roma classic)/L&T(Entice)/Legrand(Myrius) as approved by Engineer-in -charge.	2	422	Rupees Four hundred twenty two only.	each	844	
8	Providing and installation exhaust fan of300mm (Metal 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/Orient/Crompton as approved by Engineer-in-charge	4	2567	Rupees Two thousand five hundred sixty seven only.	each	10268	

Providing and fixing of IP 20 LED surface mounted CRCA power coated Box Type Channel with Pro LED Lamp suitable for mounting 1x18 watt LED Tube T8 THD. 10% CCT 6500K, CRI 80. Surge Protection 2KV. The LED with Useful Life of 50000 Hrs at L70. The input voltage range shall be 150V to 270V. 50/60 HZ complete with all accessories, including connections, testing and commissioning etc. as required complete in all respect Make-Jaquar / Wipro, /, Philips/ Havells.as per best satisfaction of Engineer-in-charge.						
10	Supplying and Fixing LED Battan 10watt (Mirror Light) High quality aluminium extruded with decorative end caps of superior quality (Wipro Make) as per item code LL20-111-XXX-65NE3 as required. Complete in all respect and as approved by the Engineer-in-Charge. Make-Wipro/Jaquar/ Philips.	2	610	Rupees six hundred ten only.	each	1220
11	Providing and fixing of IP 20 LED fixture of 18 watt +/- 1 W LED Surface Mounted Down Lighter Round Shape with minimum system lumen efficacy of 100lm/W with Polycarbonate housing, pressure die cast heat sink and P.F.> 0.95, with THD.10% CRI 80. The LED shall be tested with LM 80-08 standard with Useful life of 50000 Hrs. at L70. The LEDs used in the luminaire shall have CCT of ANSI Bin 5700 K with CRI of minimum 80. The input voltage range shall be 150V to 270V. 50/60 HZ complete with all accessories, including connections, testing and commissioning etc. as required complete in all respect and as approved by the Engineer-in-Charge. Make-Wipro, Jaquar, Philips.as per best Satisfaction of Engineer-in-charge.	10	1821	Rupees One thousand eight hundred twenty one only.	each	18210
12	Supplying and fixing bakelite batten/angle holder including connections etc. as required:-	7	88	Rupees Eighty eight only.	each	616
13	Supplying and fixing 5 amps to 32 amps , 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.) Make :- L&T/ Hager/ABB as per best satisfaction of Engineer-in-charge.					
13.01	Single pole	7	239	Rupees Two hundred thirty nine only.	each	1673

14	Supplying and erection of 40/50/63 amps, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of pole Double pole in the existing MCB DB complete with connections etc. as required:- Make :- L&T/ Hage/ABB as approved by Engineer-in-charge.					
14.01	63Amp.					
15	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/recess, complete with tinned copper bus bar, . neutral busbar, earth bar, din bar, inter -connections, powder painted including earthing etc. as required. (But without MCB/RCCB/ Isolator). Make:- L&T, Legrand, Hager as approved by Engineer-In-Charge	2	530	Rupees Five hundred thirty only.	each	1060
15.01	MCBDB 6 WAY	2	1566	Rupees One thousand five hundred sixty six only.	each	3132
Total						108744


 Executive Engineer,
 Electrical Division,
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DRAFT SCHEDULE OF QUANTITY			Job No. 08			
			Estimated cost:- Rs.84,550/-			
			Earnest money:- Rs. 1,700/-			
			Time Limit:- One year.			
Name of work:- A/R & M/O of various type of different capacity Air Conditioners, installed in various N.R. building under Electrical Sub-Division HP.PWD., Bilaspur (Ghumarwin Section)for the year 2024-25						
Sr. No.		Quantity	Rate	In Words.	Unit	Amount
No. 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.		Fig.			
1.01	The AMC include the following.					
1.02	Compressor, Thermostate, Over Load Relays, 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, wash and spin motor gear box clutch assembly droum inner belws 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 (H&C) A.C. 1.5/2.0 Ton capacity	19	4450	Rupees Four thousand four hundred fifty only.	each	84550
TOTAL						84550


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

DRAFT SCHEDULE OF QUANTITY

Job No. 09 Estimated cost:- Rs.1,23,907/-
Earnest money:- Rs. 2,500/-
Time Limit:- Six months.

Name of Work:- C/O State Vigilance and Anti Corruption Bureau Building at Blasspur (H.P) (SH:- Providing Two No. 1.5 ton capacity split type Air Conditioner in the Attic Floor).


Sr. No.	Description	Quantity	Rate In Fig.	In Words.	Unit	Amount
1	Supplying and fixing 1.5 ton inverter split type air conditioner Hot and Cold with 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 \pm 10 % AC supply capable to perform the function of cooling dehumidification air circulation ventilation and fitting in size of nominal cooling capacity on the existing M.S. power coated frame/stand for erection of outdoor unit of split type A.C. including carriage of material within all leads and lifts. Voltas (SAC 183VH Vectra Platina) /Daikin/Blue Star/O General/Mitsubishi as approved by the Engineer-In-Charge.	2	52435	Rupees Fifty two thousand four hundred thirty five only	Each	104870
2	Providing and fixing MS power coated stand (Heavy duty) including grouting for outdoor unit complete in all respect as approved by the Engineer-In-Charge.	2	950	Rupees Nine hundred fifty only.	Each	1900
3	Supplying and fixing of voltage Stabilizer with five year warranty upto 1.5ton AC having specification input voltage range 150-290, digital display, under voltage/ Protection over voltage protection, including connections, testing and commissioning etc. as required. Make:- Microtek(SMART EM5150+) V Guard/Godrej as approved by the Engineer-In-Charge.	2	5181	Rupees Five thousand one hundred eighty one only.	Each	10362
4	Providing and fixing of PVC Rigid Drain pipe complete in all respect from Indoor unit top disposal point directed by E.I. size 3/4" including special displaster /Kisan/Prince or as approved make PVC Pipe 20mm dia(for drain water) as required complete in all respect.	5	195	Rupees One hundred ninety five only.	Metre	975
5	Providing Installation, testing & Commissioning of copper tubes of size 1/4"x5/8" including 2.5Sq.m copper wire & nitrail pipe from indoor unit to outdoor unit as required complete in all respect as per best satisfaction of Engineer-In-Charge.	4	1450	Rupees One thousand four hundred fifty only.	Metre	5800
						123907

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

DRAFT SCHEDULE OF QUANTITY						
			Job No. 10	Estimated cost:- Rs. 2,70,168/-		
				Earnest money:- Rs. 5,400/-		
				Time Limit:- Six months.		
Name of work :- A/R & M/O of various Govt. building under ESD Bilaspur (SH:- Replacement of Damaged Electrical Accessories in various Govt Buildings under ESD Bilaspur in Distt Bilaspur (H.P)(SH:- Chargable to R/M of E.I in various Govt Residential Buildings at Bilaspur)						
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 / heavy class PVC conduit having wall thickness minimum 2 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 and as approved by the Engineer-in-charge Make:-ANCHOR/KEI/Finolex / L&T.					
1.01	Group C	12	1202	Rupees One thousand two hundred two only.	each	14424
2	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 and as approved by the Engineer-in-charge Make:-ANCHOR /ROMA CLASIC/ANCHOR BY PANASONIC/SSK	14	621	Rupees Six hundred twenty one only.	each	8694
3	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required and as approved by the Engineer-in-charge Make:-ANCHOR ROMA CLASIC/L&T/ Legrand (Myritus).					
3.1	5 amp modular switch	57	93	Rupees Ninety three only.	each	5301
3.2	5 amp modular socket	35	136	Rupees One hundred thirty six only.	each	4760
4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed heavy class PVC conduit having wall thickness 2.0mm as required and as approved by the Engineer-in-chargeANCHOR/KEI,Finolex/L&T make.					
4.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	80	198	Rupees One hundred ninety eight only.	P/Mtr	15840
4.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	100	311	Rupees three hundred eleven only.	P/Mtr	31100
5	Providing, Installation, testing and commissioning of BLDC ceiling fan (5 star rating), 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 and as approved by the Engineer-in-charge. Make:- Usha/Orient/Crompton.					
5.1	Ceiling Fan 1200 mm sweep	6	4323	Rupees Four thousand three hundred twenty three only.	each	25938

6	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 and as approved by the Engineer-in-charge. Make :-Anchor (Roma classic)/L&T(Entice)/Legrand (Myrius) as approved by Engineer-in-charge.	24	422	Rupees Four hundred twenty two only.	each	10128
7	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/CROMPTON/Orient as approved by Engineer-in-charge.					
7.1	Exhaust Fan, Light duty, (Domestic)300mm sweep					
8	Providing, Installation, testing and commissioning of wall fan of following size by means of suitable rag-bolt/ nuts, connections, testing and commissioning etc. as required complete in all respects to the best satisfaction of Engineer-in-charge. Make:- Usha/Orient/Crompton	6	2567	Rupees Two thousand five hundred sixty seven only.	each	15402
		5	3041	Rupees three thousand forty one only.	each	15205
9	Providing and fixing LED Batten Light of IP40 Led fixture 40 W+/- 1W with Surface Mounted 4 Feet with Polycarbonate diffuser with Extruded aluminium housing having minimum system lumen output 1000 lumens and system lumen efficacy of 100 lm/W with P.F.>0.95 with THD<20% ,CRI 80 . The LED with Useful life of 50000 Hrs at L70 . The LEDs used in the luminaire shall have CCT of ANSI Bin 5700 K with CRI of minimum 80. The Input voltage range shall be 150V to 270V, 50/60 HZ complete with all accessories, including connections, testing and commissioning etc.as required complete in all respects. Make:- Philips/Jaquar/Wipro.	20	2417	Rupees Two thousand four hundred seventeen only.	each	48340
10	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:- Record/Usha/Jaquar as per best satisfaction of Engineer-in-charge.					
10.1	25 Liter capacity water heater (Cat-A)	5	12806	Rupees Twelve thousand eight hundred six only.	each	64030
11	Supplying and fixing batten/ angle holder including connection etc. as required. Make:-Anchor as approved by Engineer-in-charge.	20	88	Rupees Eighty eight only.	each	1760
12	Supplying and fixing 6 amps to 32 amps rating, 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make:-ANCHOR/L&T/LEGRAND/ABB as approved by Engineer-in-charge.	20	239	Rupees Two hundred thirty nine only.	each	4780
13	Supplying and fixing following rating, double pole, 240 volts, Isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make:-ANCHOR/L&T/LEGRAND/ABB as approved by Engineer-in-charge.					
13.1	63Amp	2	530	Rupees Five hundred thirty only.	each	1060

14	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/isolator) ANCHOR/ UNO/L&T/ LEGRAND as approved by Engineer-in-charge.					
14.1	8 way, Double door	2	1703	Rupees One thousand seven hundred three only.	each	3406
Total						270168


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

DRAFT SCHEDULE OF QUANTITY

		Job No. 11	Estimated cost:- Rs.98,166/-		
			Earnest money:- Rs. 2000/-		
			Time Limit:- Six months.		

Name of work :- Replacement of E.I. in Directorate of Fisheries building in Distt. Bilaspur (H.P) (SH:- Providing Intercom Networking and Computer Networking therein).

Sr. No.	Description of Items	Quantity	Rate In Fig.	In Words.	Unit	Amount
1	Supplying , Installation, testing and Commissioning of D-Link/Cisco/ Net gear Wall Rack to be fixed on the existing wall etc. as required to the best satisfaction of Engineer-In-Charge.	3	4757	Rupees Four thousand seven hundred fifty seven only	Each	14271
2	Supplying, Installation , Testing and Commissioning 16-Port10/100/1000Base-T Unmanaged Standalone Gigabit Switch (Green Ethernet) D- Link/Cisco/Net gear as required to the best satisfaction of Engineer-In-Charge.	1	7874	Rupees Seven thousand eight hundred seventy four only.	each	7874
3	Supplying , Installation, testing and Commissioning of 8 Port10/100/1000 Mbps- Unmanaged Switch (Green Ethernet) D- Link/Cisco/ Net gear Wall Rack to be fixed on the existing wall etc. as required to the best satisfaction of Engineer-In-Charge.	1	2648	Rupees Two thousand six hundred forty eight only.	each	2648
4	Supplying and Installation of RJ-45 Conector Installed on the existing LAN cable as required Make:- D-Link/Cisco/Comraxy/CP Plus	110	65	Rupees Sixty five only.	Each	7150
5	Supplying, Installation, Testing and Commissioning of Novel Patch cord 2 Mtr. + 3 Mtr. as required Make:- D-Link/TP- Link/Enter as per best satisfaction of Engineer-In-Charge.	55	311	Rupees Three hundred eleven only.	Each	17105
6	Supplying and fixing of Extension board with 3 socket 2 switch alongwith three mtrs. three core wire complete with connections etc. Make:- Anchor /Legrand/L&T and required as per best satisfaction of Engineer-In-Charge.	2	725	Rupees Seven hundred twenty five only.	Each	1450
7	Supplying, Installation, Testing and Commissioning of RJ-11 Patch cord 2mtr+3mtr complete with etc. as required . Make:- D-Link/Comraxy/CP Plus as per best satisfaction of Engineer-In-Charge.	33	142	Rupees One hundred forty two only.	each	4686
8	Supplying, Installation, testing and Commissioning of D-Link 6U RACK Full Loaded on the existing wall etc. as required. Make:- D-Link/Comraxy/CP Plus as per best satisfaction of Engineer-In-Charge.	1	6739	Rupees Six thousand seven hundred thirty nine only.	each	6739
9	Supplying, Installation, Testing and Commissioning of EP8X Matrix coding and configuration of Total 29 no Telephone with firm were update and configuration of plan set with Rosette box with networking installation work as required. Make:- Matrix/Crystal/CCL as per best satisfaction of Engineer-In-Charge.	1	24543	Rupees Twenty four thousand five hundred forty three only.	each	24543
10	Supplying, Installation, Testing and Commissioning of Telephone Wire 4 Pair Coper complete with connections etc. as required. Make:- Havells/ Finolex/ Microtec as per best satisfaction of Engineer-In-Charge.	650	18	Rupees Eighteen only.	P/Mtr.	11700
Total						98166

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

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DRAFT SCHEDULE OF QUANTITY

Job No. 12

Estimated cost:- Rs.1,89,203/-

Earnest money:- Rs. 3,800/-

Time Limit:- Six months.

Name of Work:- Providing & Fixing 3 No Air Conditioner 1.5 ton capacity in Office of Assistant Engineer HPPWD Sub Division Kuthera Beri & AE Residence Sub Division No-2 Bilaspur in Distt. Bilaspur H.P.

Sr. No.	Description	Quantity	Rate In Fig.	In Words.	Unit	Amount
1	Supplying and fixing 1.5 ton Inverter split type air conditioner Hot and Cold with 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 on the existing M.S. power coated frame/stand for erection of outdoor unit of split type A.C. including carriage of material within all leads and lifts. Voltas (SAC 183VH Vectra Platina) /Daikin/Blue Star/O General/Mitsubishi as approved by the Engineer-In-Charge.	3	52435	Rupees fifty two thousand four hundred thirty five only.	Each	157305
2	Providing and fixing M/S power coated stand (Heavy duty) including grouting for outdoor unit complete in all respect as approved by the Engineer-In-Charge.	3	950	Rupees Nine hundred fifty only.	Each	2850
3	Supplying and fixing of voltage Stabilizer with five year warranty upto 1.5ton AC having specification input voltage range 130-280, digital display, under voltage/ Protection over voltage protection, including connections, testing and commissioning, etc. as required. Make:- Voltas (JEMS130), V Gaurd, Gpdrel as approved by the Engineer-In-Charge.	3	5181	Rupees Five thousand one hundred eighty one only.	Each	15543
4	Providing and fixing of PVC Rigid Drain pipe complete in all respect from indoor unit top disposal point directed by E.L. size 3/4" including special displaster /Kisan/Prince or as approved make PVC Pipe 20mm dia(for drain water) as required complete in all respect.	9	195	Rupees One hundred ninety five only.	Metre	1755
5	Providing Installation, testing & Commissioning of copper tubes of size 1/4"x5/8" including 2.5sqm copper wire & nitrayal pipe from indoor unit to outdoor unit as required complete in all respect as per best satisfaction of Engineer-In-Charge.	5	1450	Rupees One thousand four hundred fifty only.	Metre	7250
6	Installation charges.	3	1500	Rupees One thousand five hundred only.		4500
TOTAL						189203

Executive Engineer,
Electrical Division,
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DRAFT SCHEDULE OF QUANTITY


Job No. 13
Estimated Cost:- Rs. 4,43,603/-
Earnest money:- Rs. 8,900/-
Time Limit:- Six months.

Name of work:- Supplying Installation, Testing & Commissioning Manual operated Fire Alarm, Hose reels, Extinguishers in PHC SERA Tehsil Nadaun Distt Hamirpur HP

Sr. No.	Description	Quantity	Unit	Rate In Fig.	In Words.	AMOUNT
1.00	Providing, fixing, testing and commissioning of made of 250 mm dia, 8 mm thick MS sheet,1200 mm in height and installed vertically suitable legs, and the size of the legs shall be 75mm x75mm x5 mm at the bottom and grouted in suitable RCC foundation with air release valve on top and flanged connection to riser, drain arrangement with 25 mm dia gun metal wheel valve required accessories, pressure gauge and painting with synthetic enamel paint of approval shade as required.	1	Each	22148	Rupees Twenty two thousand one hundred forty eight only.	22148
2.00	Providing, laying, jointing and testing & commissioning of 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including welding fitting like elbows,tees, flanges & thickness 20 mm , tapers,nuts bolts,gaskets, anti vibration pads, springs, or liners of resilient, and fixing the pipe on the wall /ceiling with 2 to 3 meter distance of each split pipe support clamps with rubber of building standard repoted make and also extra supports shall be provided at the bends.Masonry or C.C blocks shall be provided for supporting the pipe at regular interval. frame making opening in the walls/floors/slabs or modification in the exiting opening wherever provided for carrying pipe line and before painting two coats of primer and the two more coats of synthetic enamel paint of required shade complete in all respect as required :MAKE:-TATA/JINDAL/SAIL					
2.01	25 mm	4	RM	568	Rupees Five hundred sixty eight only.	2272
2.02	50 mm	7	RM	999	Rupees Nine hundred ninety nine only.	6993
2.03	80 mm	10	RM	1480	Rupees One thousand four hundred eighty only.	14800
2.04	100 mm	5	RM	2020	Rupees Two thousand twenty only.	10100
3.00	Providing, installing and commissioning of Frist Aid hose reel with MS Consturction made from 2 mm thick and hose reel bracket grouted with rawl bolts. spray painted in post office red Conforming to IS 884 complete following as required. 20 mm nominal internal dia water hose thermoplastic (Textile reinforced) type-2 as per IS: 12585 30 mtr long and 20 mm nominal internal dia gun metal globe valve & nozzle. Drum and brackets for fixing the equipments on wall. Connection from riser with 25 mm dia stop gun metal valve & socket,heavy duty water hose thermoplastic (Teithe reinforced)type II, 20 mm dia globe valve complete as required. Make:MINIMAX/TYCO/ CEASEFIRE/ NEWAGE/ATASEE	2	No.	11772	Rupees Eleven thousand seven hundred seventy two only.	23544
4.00	Providing, fixing, testing and commissioning of Cast iron /steel Butterfly Valve Conforming to type P.N 1.6 of IS 13095-1991 Complete with Flanges bolt ,nuts ,gasket etc. As per table 'E' specification complete in all respect hydraulically test to 20 K./sqcm. Make:SANT/ZOLOTO/ LEADER/ATASEE					0
4.01	80 mm Dia	2	NO	3900	Rupees Three thousand nine hundred only.	7800
5.00	supply, installing, testing and commissioning of 100mm dial type pressure gauge gate valve with all accessories as required.	1	No	2074	Rupees Two thousand seventy four only.	2074
6.00	SITC Pressure switches for Terrace pump including necessary wiring up to control panel and Ballvalve. complete in all respect.	1	No	3291	Rupees Three thousand two hundred ninety one only.	3291
7.00	supply, installing, testing and commissioning of 25mm dia gate valve with all accessories as required. Make:SANT/ZOLOTO/LEADER/ATASEE	2	NO	2572	Rupees Two thousand five hundred seventy two only.	5144

8.00	(A) Cost of Horizontal type multistage , centrifugal, split casing pump of cast iron body & bronze impeller with stainless steel shaft, mechanical confirming to IS: 1520 (B) Cost of Suitable 5.5kw /7.5 hp HP section 100 mm delivery 100 mm dia , 450 lpm , head 36 meter HP squirrel cage induction motor TEFC type suitable for operation on 415 volts, 3 phase , 50 hz, AC supply with IP55 class of protection for enclosure, horizontal foot mounted type with class- F insulation, confirming to IS-325 (C) Cost of M.S fabricated common base plate, coupling guard, foundation bolts etcCost of cement foundation with angle frame on edges duly plastered with inertia blocks .as	1	No	123699	Rupees One Lac. Twenty three thousand six hundred ninety nine only.	123699
9.00	SITC of Cubical type panel fabricated from 2 mm thick CRCA sheet wall mounted type made 1.8 SWG IP 42 compartmentalised with hinged locable doors, dust and vermin proof,powder coated of approved shade after 7 tank treatment process,cable alley,inter connection,Incomer 1 no mccb 63 amp 4p 10 ka with voltmeter.Ampere Meter inbuilt, Outgoing 1 no. 63 amp 10 ka 4pole 7.5 HP DOL Starter and auto/Manual switch with R/Y/B Three phase indication pump running status indication push button start and stop etc. and internal wiring,earth terminal numbering,suitable 4 wire 415V ac 50 Hz 7.5 HP Dol Starter control wire FRLS copper conductor etc complete in all respect	1	job	33754	Rupees Thirty three thousand seven hundred fifty four only.	33754
10.00	Supplying and drawing 4 core 6 sq mm cable with PVC insulated FR unsheathed in existing surface /recessed steel/PVC Conduit as required.Make:- Polycab/Finox/ KEI or its equivalent as approved by Engineer-In-Charge	35	MTR	468	Rupees Four hundred sixty eight only.	16380
11.00	Supplying and fixing true power make advanced earthing system having copper pipe 2meter 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 as per best satisfaction of Engineer-In-Charge.	2	Each	13301	Rupees Thirteen thousand three hundred one only.	26602
12	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.	40	meter	160	Rupees One hundred sixty only.	6400
13.00	Providing and fixing of IS marked (IS:15683) CO2 4.5 Kg portable fire extinguisher, carbondioxide type flat base including valve, discharge hose of not less than 10 mm dia. 1 M long & complete in all respects including initial fill with CO2 gas confirming to IS:15222 filled to a filling ratio of not more than 0.667 and wall suspension bracket.Make:- MINIMAX/TYCO/CEASEFIRE/ NEWAGE/ ATASEE/LIFE SAFETY	4	Each	10996	Rupees Ten thousand nine hundred ninety six only.	43984
14.00	Providing and fixing Water 9 . Litrs CO2 type fire extinguishers consisting of seamless cylindrical body, squeeze lever discharge valve fitted with pressure indicating guage internal discharge tube, 30cms long high pressure discharge hose, discharge nozzle, suspension bracket, confirming to IS: 15683 finished externally with red enamel paint and fixed to wall with brackets complete with internal charge.Make:- MINIMAX/TYCO/CEASEFIRE/ NEWAGE/ATASEE/LIFE SAFETY	4	Each	4425	Rupees Four thousand four hundred twenty five only.	17700
15.00	Supplying and Fixing Sign plate with inscription building sign with paint as desired size 300mm X 200 mm made of mild steel ,at least 2 mm thick with suitable hanging chain as required, complete in all respect.	12	Each	220	Rupees Two hundred twenty only.	2640
16	Supply, Installation, Testing and Commissioning of Glow Type EXIT Sign Board photo luminescent of size 300 mm x 250 mm x 1.5 mm rigid sheet signage containing with battery operated Zinc Sulphate as bare chemical class - 1 material PSFA fixed on 3 mm acrylic sheet on both side showing marking (running man, Arrow and Exit) and hanged with the ceiling with chain and fastener including cost of labour & material.It shall be IP Level Front IP 65/Rear 54. required to complete the job in all respect up to the entire satisfaction of Engineer-In-Charge of work Make:- PES/Giolite/OMEX	2	Each	2980	Rupees Two thousand nine hundred eighty only.	5960
17	Supply , Installation , testing and commissioning manual call boxes of MS construction in surface/recess with stainless steel chain & hammer assembly complete with glass and push btton etc as required Make:- Agni/Fireman/Ahuja as approved by Engineer-In-Charge	4	Each	585	Rupees Five hundred eighty five only.	2340
18	Supply , Installation , testing and commissioning of Fire alarm sounder with facility to make announcement, mounted in M.S box(16 SWG) with hinged cover plate & suitable for operation with amplifier i/c line matching transformer etc. complete as required. Make agni ,Fireman or its equivalent approved by Engineer-In-Charge Make:-Agni/Fireman/Ahuja as approved by Engineer-In-Charge	2	Each	918	Rupees Nine hundred eighteen only.	1836

19	Supply , Installation , testing and commissioning of Microprocessor type 4 zone Fire Alarm main control panel having facility of fire indication, fault condition the system shall have in built public address system SSA160 watt system with 160 watt microphone .The main control panel wall mounted shall be make of 16 CRCA sheet double door with lock and key . The control shall have arrangement for inductal indicators dual lamp for fire and fault in each zone complete with back up power supply 2 nos batteries of 7 AH 12 volt, 50 Hz single phase Ac main adequate for operation of system connected to it for backup 24 hours making necessary connections as required. Make:- Agni/Ahuja/ATASEE as approved by Engineer-In Charge	1	Each	4774	Rupees Seventy seven thousand seven hundred seventy four only.	4774
20	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/Finolex /Ploycab as approved by Engineer-In Charge					0
20.01	2x1.5 Sqmm	50	Each	71	Rupees Seventy one only.	3550
21	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(Myrius) or as approved by Engineer-In Charge	2	each	469	Rupees Four hundred sixty nine only.	938
22	Supplying and fixing of following sizes FRLSH PVC conduit heavy class wall thickness minimum 2.0 mm PVC conduit along with accessories insurface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required. Make:- BEC/Diplast/Ploycab as approved by Engineer-In Charge					
22.021	25 mm dia	120	Each	99	Rupees Ninety nine only.	11880
	TOTAL					443603


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

DRAFT SCHEDULE OF QUANTITY

Job No. 14

Estimated cost:- Rs. 1,25,325/-

Earnest money:- Rs. 2,500/-

Time Limit:- One year.

Name of Work:- Annual Comprehensive Maintenance contract (AMC) of INos. 13 Passenger lift (Kone make) in Mini Sectt. a Nadaun Distt Hamirpur HP.(w.e.f. One year from awarded date)

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	(i) 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	(ii) Systematic examining and adjustment of following machine, worn gear, Thrust bearings Drives sheaves, Drive shelves bearings, brake contact, linings and components, Motor generator, motor, Motor generator, Motor windings, rotating elements, commutator, brushes brush holder, bearings, coils, resistance for operating and Motor circuit, magnet frames and other mechanical parts, controller, selector leveling, devices cams, relays, solid state components e.g PCB's transducers, resistance, condensers, power amplifier, transformers, contract, leads, 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	(iii) Examine periodically all safety devices and governor and all customary safety test.	-	-	-		-
1.04	(iv) 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	Year	121001	Rupees One Lac. Twenty one thousand one only.	121001
1.05	Supplying, Installation, testing and commissioning of SMF Battery 12V/7AH with warranty of One year etc. as required complete in all respect of the Engineer-in-charge. Make :- Luminous/ Excide/Amron or as approved by Engineer-In-Charge.	4.00	Each	1081	Rupes One thousand eighty one only.	4324
TOTAL:						125325

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

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DRAFT SCHEDULE OF QUANTITY

Estimated cost:- Rs. 72,840/-

Earnest money:- Rs. 1,500/-

Time Limit:- Six months.

Name of work:- Providing and fixing weather proof 10 Sq.mm wire for Flood Lights and open the old fixtures Regional Hospital at Una Distt. Una (H.P).

Sr. No.	Description of Items.	Quantity	Rate In fig.	In Words.	Unit	Amount
1	Removing the old fixtures and fixing the new fixtures etc. as required complete in all respect to the best satisfaction of Engineer-In-Charge.	696 Numbers	65	Rupees Sixty five only.	Each	45240
2	Providing wiring for sub-main wiring with 10Sq.mm (Ten Square Milli metre) of weather proof twin core aluminium conductor cable on the existing wall etc. as required to the best satisfaction of Engineer-In-Charge.	400 Metres	69	Rupees Sixty nine only.	P/Mtr.	27600
Total:-						72840

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

DRAFT SCHEDULE OF AUANTITY

Job No. 16

Name of Work:- Providing Service & Maintenance for Various 5 KVA DG Sets installed in Judicial Court Complex Hamirpur, Nadaun & Barsar Distt Hamirpur HP

Estimated cost- Rs. 79,158/-
Earnest money:- Rs. 1,600/-
Time Limit:- Six months.

S. No.	Description of Items	Qty.	Unit	Rate In Fig.	In Words.	Amount
1	Providing & Filling Kirloskar Care Super Genuine oil 5 Litre Complete in all respect.	4	each	1906	Rupees One thousand nine hundred six only.	7624
2	Providing & Installation Lube oil Filter element Complete in all respect.	4	each	59	Rupees Fifty nine only.	236
3	Providing & Installation fuel Filter Element Primary Complete in all respect.	4	each	547	Rupees Five hundred forty seven only.	2188
4	Providing & Installation Generator Control Unit KGS4 complete in all respect.	1	each	13335	Rupees Thirteen thousand three hundred thirty five only.	13335
5	Providing & Filling Blower Assly Complete in all respect .	1	each	11056	Rupees Eleven thousand fifty six only.	11056
6	PTTC 12 DC 88 AH KOEL green battery complete in all respect . warranty 2 year	3	each	9369	Rupees Nine thousand three hundred sixty nine only.	28107
7	Providing Service & Maintenance charges complete in all respect. (Note Service shall be done through authorised OEM).	4	each	4153	Rupees Four thousand one hundred fifty three only.	16612
	Total					79158

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

Feb 17

DRAFT SCHEDULE OF QUANTITY

Estimated cost:- Rs. 1,07,123/-
Earnest money:- Rs. 2,150/-
Time Limit:- Six months.

Name of work :- Replacement of old/damaged Post Top lantern in PWD colony at Hamirpur(Matani) Distt Hamirpur H.P.

S. No.	Description of Items	Quantity	Unit	Rate In Fig.	In Words.	Amount
1	Providing and fixing of Post Top Lantern (light House), E-27 base lamp holder of suitable size, excluding lamp complete with all accessories, connections, testing and commissioning etc.as required .Make :- Twinkle/ K-lite / panasonic or as approved by Engineer-In-Charge.(Five year warranty)	6	each	5912	Rupees Five thousand nine hundred twelve only.	35472
2	Providing & Laying of one number aluminium conductor, PVC insulated and PVC sheathed armoured/ XLPE power cable, 1.1 KV grade of following sizes direct in ground including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering.Make:- Finolex /KEI/havells or as approved by Engineer-In-Charge					
2.01	Armoured cable 6 sqmm(twin core)	80	mtr	297	Rupees Two hundred ninety seven only.	23760
3	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:-polycab/KEI/ Finolex as approved by Engineer-In-Charge					
3.01	3 x 1.5 sq. mm	25	Meter	100	Rupees One hundred only.	2500

4	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 as approved by Engineer-In-Charge					
4.01	25 mm					
5	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, detachable gland plate, interconnections, with appropriate rating copper lugs/ gland / powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) Make L&T/ Hager/ABB or as approved by Engineer-In-Charge.	10	mtr	99	Rupees Ninety nine only.	990
5.01	MCBDB 4 WAY double door	1	each	1425	Rupees One thousand four hundred twenty five only.	1425
6	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 as approved by Engineer-in-charge.	1	each	1306	Rupees One thousand three hundred six only.	1306

7	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/Hager/ABB or as approved by Engineer-in-charge. (Five YEAR WARRANTY)						0
7.01	Single pole	6	each	239	Rupees Two hundred thirty nine only.		1434
8	Supplying and fixing cable junction box IP 66 Protection with integrated membranes for cable entry back, with all accessories including connections etc as required Make Hansal (Cat no DK0606B)/Sintex or as approved by Engineer -In-Charge	5	each	1296	Rupees One thousand two hundred ninety six only.		6480
9	Supplying and laying G.I. pipe of 50 mm. dia (A Class) surface / recess In ground/Wall etc, as required complete in all respect as per best satisfaction of Engineer-In-Charge. make Jindal, tata	6	meter	581	Rupees Five hundred eighty one only.		3486
10	Supplying and fixing of monkey meanance 1 meter from top to bottom for steel tublar pole having dia 76mm top of post top lantern i/c painting, screws, etc complete in all respect as required as per best satisfaction of Engineer-In-Charge	6	each	650	Rupees Six hundred fifty only.		3900

11	Providing and installation of following-Watts LED Lamp with base cap as per post top lantern polycarbonate diffuser and aluminium heat sink , 100 lumen per watt, fincluding connections,etc. as required.:Make Jaquar/wipro/Philips or as approved by Engineer-in-Charge(Five year warranty)					
11.01	30 watt					
12	Supplying and fixing street light LED 45 watt (+ 5%)watts IP 66 protection aluminium housing ,luminious efficacy 120 lm/w and luminious flux 5400 lumens with G.I bracket including optical cover polycarbonate type ,pressure die cast aluminium housing, top opening with separate driver compartment and toughened glass,pipe mounting 5700k, and it should be compatible with specification e.i. Power Factor > .9, Harmonic Distortion<10% and efficacy >120 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, BH>5000 hrs complete with all accessories, connections, testing and commissioning etc. Make - panasonic /Jaquar /Philips/wipro or as approved by Engineer-In-Charge(Five YEAR WARRANTY)	6	each	494	Rupees Four hundred ninety four only.	2964
13	Supplying and fixing of LED panel driver 60 watt with connector including connections, testing and commissioning as required Make:-k-lite /Philips/Jaquar/Panasonic ,or as approved by Engineer-In-Charge	4	each	4770	Rupees Four thousand seven hundred seventy only.	19080
13	Supplying and fixing of LED panel driver 60 watt with connector including connections, testing and commissioning as required Make:-k-lite /Philips/Jaquar/Panasonic ,or as approved by Engineer-In-Charge	6	each	721	Rupees Seven hundred twenty one only.	4326
	Total					107123

Executive Engineer,
Electrical Division
H.P.P.W.D.Una-174303

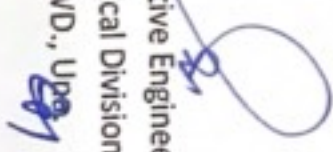
DRAFT SCHEDULE OF QUANTITY

Job No. 18

Name of work:- Supplying ,Installation, Testing & Commissioning 2 KVA Inverter in S.E Camp office Hamirpur Distt Hamirpur H.P.

S. No.	Description of Items	Quantity	Unit	Rate In Fig.	In Words.	Amount
1	Supplying Installation ,testing and commissioning of 2KVA inverter with UPS mode 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 revise polarity protection ,complete in all respect (2 year warranty on Inverter .Make:- Luminous(ECO VOLT NEO 2300+ /Microtech/ APC/ NUMERIC.as per satisfaction of the Engineer in-charge.	1	each	15097	Rupees Fifteen thousand ninety seven only.	15097
2	Supplying Installation ,testing and commissioning of Battery 12V,200AH with warranty of 48 month with etc as required (Make Luminious/ Exide,) warranty 48 months as approved by the Eingeer-In-Charge.	2.0	each	21589	Rupees Twenty one thousand five hundred eighty nine only.	43178
3	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required as per best satisfactionb of Engineer-in-charge. Make:-KEI/ Finolex/ Polycab or as approved by Engineer-In-Charge					
3.01	2 x 1.5 sq. mm	85	Meter	71	Rupees seventy one only.	6035

4	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 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(Myrius) as approved by Engineer-In-Charge	2	each	621	Rupees Six hundred twenty one only.	1242
5	Supplying of MS stand for 2 kva inverter complete in all respect as required as approved by the Engineer-In-Charge.	1	each	3500	Rupees three thousand five hundred only.	3500
6	Providing & Laying of one number aluminium conductor, PVC insulated and PVC sheathed Unarmoured/ XLPE power cable, 1.1 KV grade of following sizes on wall surface as required. Make:- KEI/Finolex/Polycab as approved by the Engineer-In-Charge.					
6.01	Unarmoured cable 16 sq. mm (4 core)	65	each	368	Rupees Three hundred sixty eight only.	23920
	TOTAL					92972


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