



Office of the
Executive Engineer
Electrical Division, HP PWD Una
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No.PW/EDU/CB//TA/Tender/2023-24/- 5347-67

Dated 16/10/23

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 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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NOTICE INVITING TENDER

Sealed 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 **06.11.2023** 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	:-	04-11-2023 up to 1.00 P.M.
2.	Date of sale of tenders	:-	04-11-2023 up to 5.00 P.M.
3.	Last date of receipt of bids	:-	06-11-2023 up to 11.30 A.M.
4.	Date of bid opening	:-	06-11-2023 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	Replacement of Condenser of Outdoor unit, Gas Charging, Fan motor, Gas charging, PCB & Running capacity of A.C. in various Rest House under ESD Una (H.P).	74,600/-	1,500/-	Six Months.	350/-	Specialized Job
2	C/o Mini Secretariat building Una Distt. Una (H.P) (SH:- Open and reinstallation of split type A.C. therein.)	68,000/-	1,400/-	Six Months	350/-	Specialized Job
3	Running and operation Bolero Camper HP 20F-0870 Electrical Division HP.PWD Una Distt. Una (H.P) (SH:- Providing Skilled driving services (w.e.f. for seven months from awarded date)	1,27,605/-	2,600/-	Six Months.	350/-	Class-D,C
4	Running and Maintenance of E.I. in various Govt. buildings in Distt. Una (H.P) (SH:- Engagement of Peon in the Executive Engineer, Electrical Division, HP.PWD Una (w.e.f. for seven months from awarded date)	1,08,600/-	2,200/-	Six Months.	350/-	Class-D,C
5	Running and Maintenance of E.I. in various Govt. buildings in Distt. Una (H.P)(SH:- Engagement of computer Operator in the Executive Engineer, Electrical Division, HP.PWD., Una Distt. Una (H.P) w.e.f. for seven months from awarded date	1,59,642/-	3,200/-	Six Months.	350/-	Class-D,C
6	Providing services of Electrician/Tech. Gr.-II	1,22,899/-	2,500/-	Six Months.	350/-	Class-D,C

	for attending complaints/Repair & maintenance in various Govt. Residential Buildings Rakkar Colony under Electrical Sub-Division, HP.PWD., Una (w.e.f. from seven months from awarded date)					
7	C/o Govt. Middle School Building at Ghyal in Distt. Bilaspur (H.P.) (SH:- Providing E.I. in proposed warm up Gymnasium thereof)	1,00,029/-	2,100/-	One Year.	350/-	Class-D,C
8	A/R & M/O of various type and different capacity of Air Conditioners installed in various N.R. Govt. buildings Electrical Sub-Division, HPPWD., Bilaspur (Ghumarwin Section) for the year 2023-2024 (w.e.f. 1/07/2023 to 30/06/2024).	97,761/-	2,000/-	One Year.	350/-	Specialized Job
9	C/o A/A to PWD Rest House building at Swarghat, in Distt. Bilaspur (H.P) (SH:- Providing E.I. therein).	2,50,040/-	5,100/-	One Year.	350/-	Class-D,C
10	Providing Electrical Installation in the O/O District Level Command & Control Center in Distt. Bilaspur H.P.	2,84,657/-	5,700/-	Six Months.		Class-D,C
11	Replacement of E.I in the residence of Civil Judge -Cum -JMFC at Changer sector in Distt Bilaspur (H.P)	2,41,658/-	4,900/-	Six Months.		Class-D,C
12	Providing 30 KVA Servo Power Stabilizer for 13 Passenger lift installed in Indoor Auditorium Building at Bilaspur (H.P).	3,21,390/-	6,500/-	Six Months.		Specialized Job
13	Replacement of Electrical Installation in the Regional Hospital Bilaspur in Distt. Bilaspur H.P.(Old X-Ray Room)	65,603/-	1,400/-	Six Months.		Class-D,C
14	Providing & Installation of Cubical Panal in S.P Office Building at Bilaspur in Distt Bilaspur (H.P)	62,536/-	1,300/-	Six Months.		Class-D,C
15	Providing power inverter for standby power supply at S.E. Residence 10th Circle HPPWD., Bilaspur (H.P).	1,94,167/-	3,900/-	Six Months.		Specialized Job
16	Providing & Installation of Separate Controller for Autoclave machine installed in M.C.H. Wing, RH Bilaspur in Distt Bilaspur (H.P)	47,954/-	1,000/-	Six Months.		Specialized Job
17	Replacement of E.I. In the O/O Superintending Engineer Campus 10th Circle HP PWD Bilaspur H.P.(B&R Sub Division No-2 , Conference Hall , PWD Horticulture Sub Division & adjoining Verandah.)	2,40,538/-	4,900/-	Six Months.		Specialized Job
18	C/o Type I Qtr. One No. in parking of Type III Qtrs. at Matani Distt. Hamirpur (H.P) (SH:- Providing E.I. therein).	71,315/-	1,500/-	One Year.		Class-D,C
19	Annual Comprehensive Maintenance contract (AMC) of 01 No.13 passenger Lift (Make Kone) in Mini Secretariat building at Nadaun, Distt. Hamirpur (H.P) (For the year 2023-2024)	1,45,734/-	3,000/-	One Year.		Specialized Job

	2023-2024)					
20	Replacement of damaged MCB, DP, MCB and Led Batten in child Care Institution (Bal Ashram) at Sujampur, Distt. Hamirpur (H.P).	85,877/-	1,700/-	Six Months.	350/-	Class-D,C
21	Replacement of batteries for inverter in Electrical Division & Sub Division HPPWD., Distt. Una (HP)	1,07,694/-	2,200/-	One Month	350/-	Specialized Job
22	Replacement of batteries for inverter in HPPWD., Rest House Una, Distt. Una (HP)	71,796/-	1,500/-	One Monh	350/-	Specialized Job
23	Providing service of Junior Draughtsman in HP.PWD Electrical Division, office Una Distt. Una (for a period of one year from the awarded date)	3,02,220/-	6,100/-	One Year.	350/-	Class-C,D

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. 74,600/-	
					Earnest Money:- Rs. 1,500/-	
					Time Limit:- Six Months.	
Name of work :- Replacement of Condensor of outdoor unit, Gas charging, Fan motor, Gas charging, PCB & running capacitor of A.C. in various Rest Houses Under E.S.D.Una.						
Sr. No.	Description	Quantity	Rate	In Fig.	In Words.	Unit
1	Open and reinstallation of split type air conditioner complete in all respects as required.	2	4000		Rupees Four thousand only.	Each
2	Replacement of outdoor unit condenser in split type air conditioner, complete in all respects.	1	9000		Rupees Nine thousand only.	Each
3	Replacement of outdoor unit fan motor with blade etc as required.	4	4300		Rupees Four thousand three hundred only.	Each
4	Refilling of Gas in Air Conditioner 2.0 ton and 1.5 ton capacity split/window type checking of leakage etc, as complete in all respects, testing and commissioning etc.	7	2650		Rupees Two thousand six hundred fifty only.	Each
5	Replacement of P.C.B. for split type air conditioner, complete in all respects.	2	3350		Rupees three three hundred fifty only.	Each
6	Replacement of running capacitor in split type air conditioner, complete in all respects.	2	1200		Rupees One thousand two hundred only.	Each
7	Service of window Split type air conditioner unit etc as required.	15	850		Rupees Eight hundred fifty only.	Each
G. Total :-						74600


 Executive Engineer,
 Electrical Division,
 HPPWD., Una.

DAFT SCHEDULE OF QUANTITY					Job No. 02	
					Estimated Cost:- Rs. 68,000/-	
					Earnest Money:- Rs. 1,400/-	
					Time Limit:- Six Months.	
Name of work :-C/o Mini Sectt.building at Una, Distt. Una (HP) (SH :- Open and reinstallation of Split type A.C. therein)						
Sr. No.	Description	Quantity	Rate	In Fig.	In Words.	Unit
1	Open and reinstallation of split type air conditioner complete in all respects as required.	17	4000		Rupees Four thousand only.	Each
G. Total :-						68000


 Executive Engineer,
 Electrical Division,
 HPPWD., Una.

DRAFT SCHEDULE OF QUANTITY

Job No. 03
 Estimated Cost :- 1,27,605
 Earnest Money :- 2,600
 Time:- Six Months
 Name of work:- Running and operation Bolero Camper HP 20F-0870 Electrical Division HP.PWD Una Distt. Una (H.P) (SH):- Providing Skilled driving services (w.e.f. for Six Months from awarded date)

Sr. No.	Description of Items.	Quantity	Rate In	In Words.	Unit	Amount
1	Providing Services on temporary basis driving for Bolero camper HP 20F-0870 Departmentally vehicle during working hours (9.00 A.M to 5.00 P.M) or as when required by the Officer-in-charge.	6	Months 181 days 705	Rupees Seven hundred five only.	P/day	127605
G. Total:-						127605

K. Chand
 Executive Engineer,
 Electrical Division,
 HPPWD, Una.

DRAFT SCHEDULE OF QUANTITY						
						Job No. 04
					Estimated Cost:- Rs. 1,08,600/-	
					Earnest Money:- Rs. 2,200/-	
					Time Limit:- Six Months.	
Name of work:- Running and Maintenance of E.I. in various Govt. buildings in Distt. Una (H.P)(SH:- Engagement of Peon in the Executive Engineer, Electrical Division, HP.PWD Una (w.e.f for six months from awarded date)						
Sr. No.	Description of Items.	Quantity	Rate In Fig.	In Words.	Unit	Amount
1	Engagement of Peon in the office of Executive Engineer, Electrical Division, HP.PWD Una as per instruction of Engineer-in-charge	6 Months (181 days)	600	Rupees Six hundred only.	P/Day	108600
G. Total:-						108600


 Executive Engineer,
 Electrical Division,
 HPPWD, Una.

DRAFT SCHEUDLE OF QUANTITY								Job No. 5
								Estimated Cost:- Rs. 1,59,642/-
								Earnest Money:- Rs. 3,200/-
								Time Limit :- Six Months.
Name of work:- Running and Maintenance of E.I. in various Govt. buildings in Distt. Una (H.P) (SH:- Engagement of Computer Operator in the Executive Engineer, Electrical Division, HP.PWD., Una Distt. Una (H.P) (w.e.f. for six months from awarded date)								
Sr. No.	Description of Items.	Quantity	Rate In Fig.	In Words.	Unit	Amount		
1	Engagement of Computer Operator in the office of Executive Engineer, Electrical Division, Hp.PWD..Una as per instruction of Engineer-in-charge. (1 No. Computer Operator w.e.f. for six months from awarded date)	6 Months (181 Days)	882	Rupees Eight hundred eighty two only.	P/Day	159642		
G. Total:-							159642	


 Executive Engineer,
 Electrical Division,
 HPPWD., Una.

DRAFT SCHEDULE OF QUANTITY									
									Job No. 06
									Estimated Cost:- Rs. 1,22,899/-
									Earnest Money:- Rs. 2,500/-
									Time Limit :- Six Months.
Name of work:- Providing services of Electrician/Tech. Gr-II., for attending complaints/Repair & maintenance in various Govt. Residential Buildings Rakkar Colony under Electrical Sub-Division, HP.PWD., Una (w.e.f. from six months)									
Sr. No.	Description of Items.	Qty.	Rate In fig.	In Words.	Unit	Amount			
1	Providing Services on temporary basis Electrician Technician for attending complaints and maintenance in various Govt. N.R. Building during working (9.00Am to 5.00PM) or as when required by the Officer-in-charge.	6 Months 181 days	679	Rupees Six hundred seventy nine only.	P/Day	122899			
						G. Total:-	122899		


 Executive Engineer,
 Electrical Division,
 HPPWD., Una.

DRAFT SCHEDULE OF QUANTITY							
				Job No.07			
				Estimated Cost:-		Rs. 1,00,029/-	
				Earnest Money:-		Rs. 2,100/-	
				Time Limit:-		One Year.	
NAME OF WORK:- C/o Govt. Middle School Building at Ghyal in Distt. Bilaspur (H.P.) (SH:- Providing E.L. in proposed warm up Gymnasium thereof)							
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 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. Make:- Legrand(Myrtus),L&T(entice), Anchor (Roma plus) as approved by Engineer-in-charge.						
1.01	Group C	22	976		Rupees Nine hundred seventy six only.	Each	21472
2	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required. (i) 5Amp Switch P/T (Make:- Roma Classic, L&T(Entice, Legrand , Anchor penta) or its equivalent as approved by the Engineer-in-charge.	4	29		Rupees Twenty nine only.	Each	116
2.01	3pin 5/6Amp socket Piano type.	4	54		Rupees Fifty four only.	Each	216
3	Supplying and fixing metal box of 150 mm X 75mm X 60 mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps piano type switch, connection, painting etc. as required.	4	210		Rupees Two hundred ten only.	Each	840
4	Supplying and fixing metal box of 180mm x 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in FRLSont including providing and fixing 6 pin 5/6 & 15/16 amps socket outlet and 15/16 amps piano type switch, connection, painting etc. as required.	4	316		Rupees three hundred sixteen only.	Each	1264
5	Wiring for circuit/submain wiring with 2x1.5 Sq. mm. PVC insulated heat resistant flame retardant (HFRF) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.1.5 Sq.mm. HFRFLS/PVC insulated single core copper conductor cable for earthing as required.(Make:- KEI, Plaza , Anchor) or its equivalent as required complete in all respect.	35	194		Rupees One hundred ninety four only.	P/Mtr.	6790

6	Wiring for light power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surfacel recessed medium class PVC conduit alongwith 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required. (Make:- KEL, Plaza , Anchor) or its equivalent as required complete in all respect.	35	312	Rupees three hundred twelve only.	P/mtr	10920
7	Wiring for light power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surfacel recessed medium class PVC conduit alongwith 2 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required. (Make:- KEL, Plaza , Anchor) or its equivalent as required complete in all respect.	10	532	Rupees Five hundred thirty two only.	P/Mtr.	5320
8	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surfacel recessed medium class PVC conduit as required.9Mke:- KEL, Plaza,Anchor or its equivalent as required complete in all respect.					
8.01	2 X 10 sq. mm	5	558	Rupees Five hundred fifty eight only.	P/mtr	2790
9	Supplying and fixing bakelite batten/ angle holder including connection etc. as required .(Make:- Roma Classic,Anchor penta, L&H,Inice), Roma plus) or its equivalent as required complete in all respect.;	7	47	Rupees forty seven only.	Each	329
10	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 LGLZ01X024XN)/Philips,Panasonic or its equivalent as approved by Engineer-in-Charge	4	595	Rupees Five hundred ninety five only.	Each	2380
11	Supplying and fixing surface round/Square type LED 15 watt, 6000k, (Five YEAR WARRANTY) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- Panasonic (Model -PDLM10156BR)/Philips, wipro or its equivalent as approved by Engineer-in-Charge	6	1065	Rupees One thousand sixty five only.	Each	6390
12	Providing and fixing street light LED 25 watts of Bajaj make "CUB" Series cat NO. 112906BC1ST 25 Watt LED or its equivalent make with pressure die cast housing with epoxy power coated dark graphite grey colour finish prismatic polycarbonate cover with individual LED lence including conduit pipe bracket nut bolts and connections etc. as required complete in all respects as per best satisfaction of Engineer in charge at site.	2	2847	Rupees Two thousand eight hundred forty seven only.	Each	5694

13	Providing Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required:- Usha Tech plus .Bajaj ultima, Havell velocity not less than three star as approved by Er-in-charge)Ceiling fan 1200 mm sweep Usha Tech plus .Bajaj ultima, Havell velocity not less than three star as approved by Engineer-in-charge.	2	2895	Rupees Two thousand eight hundred ninety five only.	Each	5790
14	Supplying and fixing of Exhaust fan (Plastic) with Louver shutter 300mm 1000RPM 1125 Air Delivery (CMM) Bajaj make DDXL Model on the existing opening complete with connections etc. as required. (exhaust fan 300 mm L/D)Make:- Bajaj, Usha.Havellis) or its equivalent as approved by the Engineer-in-charge.	2	2347	Rupees Two thousand three hundred forty seven only.	Each	4694
15	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:-Make:-Usha(Model Mist 25 litre),Bajaj,Recold or its equivalent as approved by Er-in-charge	1	10714	Rupees Ten thousand seven hundred fourteen only.	Each	10714
16	Providing and installation of following type of LED opf retrofit lamp B-22 holder base with Polycarbonate diffuser and aluminium heat sink including connections, testing and commissioning etc. as required. Make:- TISVA/Wipro/Philips or its equivalent as approved by the Engineer-inp-charge.	7	190	Rupees One hundred ninety only.	Each	1330
17	Supplying and fixing of following way, single pole and neutral sheet steel MCB DB 240 volts, on surface/recess complete with tinned copper bus bar, wireset, neutral link, earth bar dim bar, detachable gland plate blanking plate, cable identification labels interconnections phosphatized and powder painted, including earthing etc. as required.(Make:- L&T(Entice),Anchor ,Legrand or its equivalent as approved by the Engineer-in-charge.					
17.01	Double Door - 12 way.	1	2257	Rupees Two thousand two hundred fifty seven only.	Each	2257
18	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 KA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make L&T, Legrand, Hegar as approved by Engineer-in-charge	6	252	Rupees Two hundred fifty two only.	Each	1512

19	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, Hegar as approved by Engineer-in-charge.						
19.01	40 Amps. Cat-A.	1	1303	Rupees One thousand three hundred three only.	Each		1303
20	Supplying and fixing following rating, double pole, (single phase and neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make L&T.(Entice), Anchor Legrand, or its equivalent as approved by Engineer-in-charge.						
20.01	40 A	1	2754	Rupees Two thousand seven hundred fifty four only.	Each		2754
21	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/coke and salt as required.	1	4534	Rupees Four thousand five hundred thirty four only.	Each		4534
22	Providing and fixing 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connections/ termination with G.I. thimble etc. as required.	20	31	Rupees thirty one only.	P/Mtr		620
G. Total:-							-100029


 Executive Engineer,
 Electrical Division,
 HPPWD.,Una.

DRAFT SCHEDULE OF QUANTITY						Job No. 08
					Estimated Cost: Rs. 97,761/-	
					Earnest Money:- Rs. 2,000/-	
					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 Bilaspur (Ghumarwinsection) for the year 2023-2024 (w.e.f. 1/07/2023 to 30/06/2024)						
Sr. No	Description of items	Quantity	Rate In Fig.	In words.	Units	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. The AMC will include the following:-					
1.01	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 Remote PCB including cost of their replacement.					
1.02	All defective components shall be replaced with compatible working parts and defective parts shall be company's/firm./Contractor's property.					
1.03	Split type A.C 1.5ton capacity.	19	4450	Rupees four thousand four hundred fifty only.	Numbers	84550
1.04	Window Type A.C.	1	3509	Rupees three thousand five hundred nine only.	Numbers	3509
2	Supplying and fixing of voltage stabilizer having specification Input voltage range 150-290v ,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 Er-in-charge(Three year warranty)	2	4851	Rupees Four thousand eight hundred fifty one only.	Numbers	9702
G.Total:-						97761


 Executive Engineer,
 Electrical Division,
 HPPWD., Una.

DRAFT SCHEDULE OF QUANTITY

Job No. 09

					Estimated Cost:- Rs. 2,50,040/-	
					Earnest Money:- Rs. 5,100/-	
					Time Limit:- One Year.	
Name of work:- Construction of Addition Alteration to PWD Rest house Building at Swarghat in Distt. Bilaspur (H.P) (SH:- Providing E.I therein).						
Sr. No.	Discription of Item	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 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 (make:- Ranchor Penta, L&T (Entice) or its equivalent as approved by the Engineer in charge.					
1.01	Group C	31	1154	Rupees One thousand one hundred fifty four only.	Each	35774
2	Supplying and Fixing following Modular type switch/socket on the existing switch box/cover in/c connections etc as required. (i) 5 Amp Switch P/T (Modular) (Make:-Roma classic, Anchor Penta, L&T (Entice) or its equivalent as approved by the Engineer in charge.	20	76	Rupees Seventy six only.	Each	1520
2.01	3 pin 5/6 amps socket P/T (Modular)	20	150	Rupees One hundred fifty only.	Each	3000
2.02	Bell Push P/T (Modular)	10	149	Rupees One hundred forty nine only.	Each	1490
3	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.	8	424	Rupees Four hundred twenty four only.	Each	6360
4	Supplying and fixing suitable size GI box with modular plate and cover in FRLSont on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	9	585	Rupees Five hundred eighty five only.	Each	5265
5	Wiring for circuit/submain wiring with 2x1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required. (Make:- KEI,Plaza, Anchor or its equivalent as approved by the engineer in charge.	32	194	Rupees One hundred ninety four only.	Meter	6208
6	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 PVC conduit along with 1 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required. (Make:- KEI,Plaza, Anchor) or its equivalent as approved by the engineer in charge	24	312	Rupees Three hundred twelve only.	Meter	7488
7	Supplying and fixing bakelite batten angle holder including connections etc. as required. (make:- Roma classic, Anchor Penta, L&T (Entice) or its equivalent as approved by the Engineer in charge.	2	47	Rupees Forty seven only.	Each	94
8	Supplying and fixing of fancy Mirror/Dressing lights containing 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 (Cat no 31165)). Wipro, Philips, Jaguar or its equivalent as approved by the Engineer in charge.	9	2196	Rupees Two thousand one hundred ninety six only.	Each	8784

9	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 (Model Grace), Wipro, Panasonic or equivalent make	8	1200	Rupees One thousand two hundred only.	Each	9600
10	Supplying and Fixing of Bed light of Superior quality with single holder containing thread type LED Lamp holder (s) of all sizes and shapes complete with all accessories but excluding led lampin/c making connections, testing etc as required, make:- Philips, Wipro, Panasonic or its equivalent as approved by the Engineer in charge.	4	2163	Rupees Two thousand one hundred sixty three only.	Each	8652
11	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 LGLZ01X024XN)/Philips,Panasonic or its equivalent as approved by Engineer-in-Charge	8	595	Rupees Five hundred ninety five only.	Each	2380
12	Supplying and fixing surface round/Square type LED 15 watt, 6000k, (Five YEAR WARRANTY) and it should be compatible with specification i.e. Power Factor > 9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- Panasonic (Model -PDLM10156BR)/Philips, wipro or its equivalent as approved by Engineer-in-Charge	20	1065	Rupees One thousand sixty five only.	Each	21700
13	Providing and fixing street light LED 25 watts of Bajaj make "CUB" Seriea cat NO. 112906BCLST 25 Watt LED or its equivalent make with pressure die cast housing with epoxy power coated dark graphite grey colour finish prismatic polycarbonate cover with individual LED lence including conduit pipe bracket nut bolts and connections etc. as required complete in all respects as per best satisfaction of Engineer in charge , (Make:- Panasonic, jaguar, havells or itsequivalent asapproved by the Engineer in charge.	2	2847	Rupees Two thousand eight hundred forty seven only.	Each	5694
14	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. (Make:- Usha (Technix), Bajaj (Ultima), havells (HS Velocity) or its equivalent as approved bythe Engineer in charge.					
14.01	Ceiling fan 1200 mm sweep Cat A	6	2895	Rupees Two thousand eight hundred ninety five only.	Each	17370
15	Supplying and fixing of Exhaust fan (Plastic) with Louver shutter 300mm 1000RPM 1125 Air Delivery (CMM) Bajaj make DDXI Model on the existing opening complete with connections etc. as required. (Exhaust fan 300 mm L/D (make :- Bajaj, Havells Crompton or its	4	2347	Rupees Two thousand three hundred forty seven only.	Each	9388
16	Providing and installation of stationary storage type electric water heater (Geyser) of various sizes by means of Expansion bolts with nuts and washers in/ embedding of expansion bolts in the wall making good the damages Electric connection testing and commissioning etc complete as required. Make :- Usha , Bajaj, Recold or its ewuilvalant as approved by the engineer in charge (a)Geyser 10 Liters	1	8338	Rupees Eight thousand thjree hundred thirty eight only.	Each	8338
16.01	Geyser 25 liters	3	10714	Rupees Ten thousand seven hundred fourteen only.	Each	32142
17	Providing and installation of of following type of LED of retrofit lamp B-22 holder base with Polycarbonate diffuser and aluminium heat sink in/c connection, testing and commissioning etc as require.make TISVA/wipro// Phillips or itsequivalent as approved by the Engineer in charge	2	190	Rupees One hundred ninety only.	Each	380
18	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 connection etc. as required. (Make Legrand ,L&T ,(inice)Havalls, Anchor or its equivalent as Aproved by the Engineer incharge	52	252	Rupees Two hundred fifty two only.	Each	13104

19	Supplying and fixing of following way, single pole and neutral sheet steel MCB DB 240 volts, on surface/recess complete with tinned copper bus bar, wireset, 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 Legrand ,L&T ,(intice)Havalls,Anchor or its equivalent as Approved by the Engineer incharge						
19.01	Double Door 4 way	1	1634	Rupees One thousand six hundred thirty four only.	Each	1634	
19.02	Double Door 8 way	1	2015	Rupees Twenty thousand fifteen only.	Each	2015	
19.03	Double Door 12 way	6	2257	Rupees Two thousand two hundred fifty seven only.	Each		13542
20	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 connection etc. as required. (Make Legrand ,L&T ,(intice)Havalls,Anchor or its equivalent as Approved by the Engineer incharge						
20.01	Double pole cat A						
21	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.(a) RCCB 63 Amps DP(Make Legrand ,L&T ,(intice)Havalls,Anchor or its equivalent as Approved by the Engineer incharge	8	1105	Rupees One thousand one hundred five only.	Each		8840
		7	2754	Rupees Two thousand seven hundred fifty four only.	Each		19278
G. Total:-							250040


 Executive Engineer,
 Electrical Division,
 HPPWD, Una.

DRAFT SCHEDULE OF QUANTITY						
Job No. 10						
Estimated Cost:- Rs. 2,84,657/-						
Earnest Money:- Rs. 5,700/-						
Time Limit:- Six Months.						
Name of work :- Providing Electrical Installation in the O/O District Level Command & Control Center in Distt. Bilaspur H.P.						
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 steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Make :-Anchor (Roma classic),L&T(Entice),Legrand(Myrius) or its equivalent as approved by Engineer-in -charge.					
1.01	Group C	24	Each	1150	Rupees One thousand one hundred fifty only.	27600
2	Supplying and fixing Computer board comprising 3 nos 5 amp modular switches , G.I box 2 module for jack box and G.I Box 12 module for 5 amp switches and 5 amp sockets comprising sheet cover for each 2 module metal box , one no computer jack (RJ-45)with shutter including connections etc as required.Make :-Anchor (Roma classic),L&T (Entice), Legrand(Myrius) or its equivalent as approved by Engineer-in -charge.	6	Each	2370	Rupees Two thousand three hundred seventy only.	14220
3	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 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.	8	Each	563	Rupees Five hundred sixty three only.	4504
4	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.Make :-Anchor (Roma classic),L&T(Entice),Legrand (Myrius) or as approved by Engineer-in -charge.	12	Each	743	Rupees Sevenm hundred forty three only.	8916
5	Wiring for circuit/submain wiring alongwithhearthwreith the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.Make:- Plaza,KEI,Finolex or its equivalent as approved by Engineer-in -charge.					
5.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	40	Meter	326	Rupees three hundred twenty six only.	13040
5.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	120	Meter	451	Rupees Four hundred fifty one only.	54120

5.04	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	40	Meter	727	Rupees Seven hundred twenty seven only.	29080
	4 X 16 sq. mm + 2 X 6 sq. mm earth wire	30	Meter	1963	Rupees One thousand nine hundred sixty three only.	58890
6	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/recessed steel/PVC conduit as required.Make:-Polycab,Finolex, D-Link or its equivalent as approved by Engineer-in -charge.	100	Meter	53	Rupees fifty three only.	5300
7	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 conduit as required .Diplast/BEC/Polyfit or its equivalent as approved by Engineer-in -charge.					
7.01	25 mm	80	Meter	111	Rupees One hundred eleven only.	8880
8	Supplying and fixing Ding Dong bell suitable for single phase, 230 V, complete as requiredMake :- Anchor (Roma classic),L&T(Entice), Legrand(Myrius) or its equivalent as approved by Engineer in -charge.	1	Each	234	Rupees Two hundred thirty four only.	234
9	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)Bajaj,Crompton or its equivalent as approved by Engineer-in -charge.					
9.01	Ceiling Fan 1200 mm sweep	6	Each	2515	Rupees Two thousand five hundred fifteen only.	15090
10	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.Make :- Anchor (Roma classic),L&T (Entice), Legrand(Myrius) or its equivalent as approved by Engineer-in -charge.	6	Each	410	Rupees Four hundred ten only.	2460
11	Supplying and fixing of following watts surface/Recess round/Square 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)					
11.01	20W	12	Each	1576	Rupees One thousand five hundred seventy six only.	18912
12	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	2	Each	59	Rupees Fifty nine only.	118

	Supplying and fixing 5 amps to 32 amps , 240/415 volts, 10 kA, "C" curve,miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.)Make L&T, Hager,ABB or its equivalent as per best satisfaction of Engineer-in -charge.							
13.01	single pole	16	Each	261	Rupees Two hundred sixty one only.	4176		
14	Supplying and erection of 40/50/63 amps, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of pole Double pole in the existing MCB DB complete with connections etc. as required:-Make L&T, Hager,ABB or its equivalent as approved by Engineer-in -charge.	3	Each	1161	Rupees One thousand one hundred sixty one only.	3483		
15	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.							
15.01	40 A	1	Each	5880	Rupees Five thousand eight hundred eighty only.	5880		
16	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.							
16.01	MCBDB8 WAY (4+24)Double Door	1	Each	9754	Rupees Nine thousand seven hundred fifty four only.	9754		
G. Total:-							284657	
Note:- The credit of dismantled material for Rs. 5,000/- (Rs.Five thousand)only may be recover in the bill.								


Executive Engineer,
Electrical Division,
HPPWD., Una.

DRAFT SCHEDULE OF QUANTITY							Job No. 11
							Estimated Cost:- Rs. 2,41,658/-
							Earnest Money:- Rs. 4,900/-
							Time Limit:- Six Months.
Name of work :- Replacement of E.I in the residence of Civil Judge -Cum -JMFC at Changer sector in Distt Bilaspur (HLP)							
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 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						
1.01	Group-C	37	1261	Rupees One thousand two hundred sixty one only.	Each	46657	
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.	10	584	Rupees Five hundred eighty four only.	Each	5840	
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.	14	860	Rupees Eight hundred sixty only.	Each	12040	
4	Supplying and fixing following rating Modular switch /socket/Bell Push on the existing switch box / cover including connections etc. as required. (Make:-Legrand(Mytrius),L&T(entice),Anchor(Roma Plus).						
4.01	S.P. 5/ 6 Amps one way Modular switch.	10	106	Rupees One hundred six only.	Each	1060	
4.02	5 pin, 5/ 6 Amps Modular socket outlet.	10	138	Rupees One hundred thirty eight only.	Each	1380	
4.03	Bell Push Modular	1	191	Rupees One hundred ninety one only.	Each	191	
5	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, KEI, Anchor, Plaza as approved by Engineer -in -charge .						
5.01	2x1.5 Sq. mm + 1X1.5 sq.mm	75	205	Rupees Two hundred five only.	P/Mtr	15375	
5.02	2x4 Sq. mm + 1X4 sq.mm	100	330	Rupees three hundred thirty only.	P/Mtr	33000	
5.03	2x6 Sq. mm.+ 1X6 sq mm	25	441	Rupees Four hundred forty one only.	P/Mtr	11025	
5.04	4x4 Sq. mm.+ 2X4 sq.mm	50	544	Rupees Five hundred forty four only.	P/Mtr	27200	

6	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.	12	1824	Rupees One thousand eight hundred twenty four only.	Each	21888
7	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.	2	662	Rupees Six hundred sixty two only.	Each	1324
8	Providing and installation of LED Street light 30W with bracket power coated pressure die cast aluminium high power led with heat resistant toughened glass with lens ,electronic driver; suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. as required. Make: wipro(LR26-371-XXX-65-XX),Panasonic Philips or its equivalent as approved by Engineer-in -charge.(Five year warranty)	4	4923	Rupees Four thousand nine hundred twenty three only.	Each	19692
9	Supplying and fixing bakelite batten/angle holder including connections etc. as required:-	4	98	Rupees Ninety eight only.	Each	392
10	Providing, installation testing and commissioning of ceiling fan with regulator including wiring the down rods of standard length (up to 30cm) and 16/0.20mm twin twisted flexible cotton braided copper cable including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc as required including carriage of material within all leads and lifts. (Usha techniques, Crompton,Havells H S Velocity make or its equivalent.) or as approved by the Engineer-in-Charge.	3	4886	Rupees Four thousand eight hundred eighty six only.	Each	14658
11	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 Er-in-charge	3	2633	Rupees Two thousand six hundred thirty three only.	Each	7899
12	Supplying and fixing fancy wall bracket of metal & synthetics white colour of superior quality with B22 lamp holder complete with all accessories, including making connections, testing etc. as required. Make- Philips, Jaquar or as approved by Engineer in charge.	6	1200	Rupees One thousand two hundred only.	Each	7200
13	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required:-	1	260	Rupees Two hundred sixty only.	Each	260
14	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.					
14.01	single pole					
15	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.	20	296	Rupees Two hundred ninety six only.	Each	5920
		2	1397	Rupees One thousand three hundred ninety seven only.	Each	2794

16	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							
16.01	MCBDB 8 WAY	1	2361	Rupees Two thousand three hundred sixty one only.	Each	2361		
16.02	MCBDB 16 WAY	1	3502	Rupees Three thousand five hundred two only.	Each	3502		
G. Total:-							241658	


 Executive Engineer,
 Electrical Division,
 HPPWD., Una.

DRAFT SCHEDULE OF QUANTITY									
Name of Work:- Providing 30 KVA Servo Power Stabilizer for 13 Passenger lift installed in Indoor Auditorium Building at Bilaspur H.P.									
Sr. No.		Description		Quantity	Rate	Unit	Amount	Job No. 12	
1		Supplying, Installation, Testing and Commissioning of Air cooled Voltage servo of 30KVA Capacity (with Buck-boost copper winding transformer) Suitable for 3 phase unbalanced load having input range of 290 -480 volts and output range 415 AC+/-1% volts along with High/Low voltage cut-off, with LED Indication & LCD Display for Metering & with Input bypass arrangements and input Phase Reversal protection.						Estimated Cost:- Rs. 3,21,390/-	
		Protection required: low voltage , high voltage, low Current , high current , overload protection, phase reversal protection as well as correction with Genset compatible.						Earnest Money:- Rs. 1,400/-	
		Servo should have following Feature : It should have Noise level <= 50dB from 1 meter , Efficiency >97%, Response Time <20 Sec, Insulation of Class B, Speed of correction upto 50V/sec , Ambient temperature : 0 to 40 deg C & Relative Humidity : upto 95% RH , Buzzer : Beeping at every Sec for all the Trip Conditions .						Time Limit:- Six Months.	
		Standard & certification: Conformance to IS 9815, IS2026 standard and OEM Company Should be ISO 9001 certified. Warranty 1 Years Onsite complete in all respect as desired by engineer at site.OEM should have own /ASP based service centres /network in Himachal for better & immediate service & support.							
1.01		Servo Controlled Voltage Stabilizer 30KVA input Range (290-480 VAC), output range 415 AC+/-1%.							
1.02		Approved Makes: Numeric-LEGRAND , TSI , NEEL, Indian Power as approved by Engineer in charge		1	315060	Rupees three Lac. Fifteen thousand sixty only.	Each	315060	
2		Providing and laying of one number PVC insulated and PVC sheathed Unarmoured / XLPE power cable of 1.1 KV grade of following size direct on surface including connection etc as required, :-Make:-KEI,POLYCAB, PLAZA or its equivalent as approved by Er-in-charge		10	633	Rupees six hundred thirty three only.	Mtr	6330	

G. Total:-	321390
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 Executive Engineer,
 Electrical Division,
 HPPWD., Una.

DRAFT SCHEDULE OF QUANTITY						
Job No. 13						
Estimated Cost:- Rs. 65,603/-						
Earnest Money:- Rs. 1,400/-						
Time Limit:- Six Months.						
Name of work :- Replacement of Electrical Installation in the Regional Hospital Bilaspur in Distt. Bilaspur H.P. (Old X-Ray Room)						
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 steel conduit, with modular switch, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Make :-Anchor (Roma classic),L&T(Entice),Legrand (Myrius) or its equivalent as approved by Engineer-in -charge.					
1.01	Group C	10	Each	1150	Rupees One thousand one hundred fifty only.	11500
2	Supplying and fixing Computer board comprising 3 nos 5 amp modular switches G.I box 2 module for jack box and G.I Box 12 module for 5 amp switches and 5 amp sockets comprising sheet cover for each 2 module metal box , one no computer jack (RJ-45)with shutter including connections etc as required.Make :-Anchor (Roma classic),L&T(Entice),Legrand(Myrius) or its equivalent as approved by Engineer-in -charge.	1	Each	2370	Rupees Two thousand three hundred seventy only.	2370
3	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 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.	3	Each	563	Rupees Five hundred sixty three only.	1689
4	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required. Make :-Anchor (Roma classic),L&T(Entice),Legrand(Myrius) or as approved by Engineer-in -charge.	4	Each	743	Rupees Seven hundred forty three only	2972
5	Wiring for circuit/submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required. Make:-Plaza,KEI,Finolex or its equivalent as approved by Engineer-in -charge.					
5.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	30	Meter	326	Rupees three hundred twenty six only.	9780
5.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	25	Meter	451	Rupees Four hundred fifty one only.	11275
5.03	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	10	Meter	727	Rupees Seven hundred twenty seven only	7270
5.04	2x10 Sq. mm.	8	Meter	425	Rupees Four hundred twenty five only.	3400
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)Bajaj,Crompton or its equivalent as approved by Engineer-in -charge.					
6.01	Ceiling Fan 1200 mm sweep	2	Each	2515	Rupees Two thousand five hundred fifteen only.	5030

8	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) or its equivalent as approved by Engineer-in -charge.	2	Each	410	Rupees Four hundred ten only.	820
8.01	Providing and fixing of following type surface mounted Luminaire LED batten ,having high Quality design aluminium extruded decorative end caps and it should be compatible with specification i.e. Power Factor > 9, Harmonic Distortion > 15% and efficiency > 100 Lumens per watt ,CRI > 80 suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc as: Make Philips, Panasonic Jaquar or its equivalent as approved by Engineer-in -charge. (Five year warranty)	5	Each	690	Rupees six hundred ninety only.	3450
9	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					
9.01	MCB DB 12 WAY	1	Each	3000	Rupees three thousand only.	3000
10	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	1	Each	59	Rupees Fifty nine only.	59
11	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.					
11.01	single pole	7	Each	261	Rupees Two hundred sixty one only.	1827
12	Supplying and erection of 40/50/63 amps, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of pole Double pole in the existing MCB DB complete with connections etc. as required:-Make L&T, Hager, ABB or its equivalent as approved by Engineer-in -charge.	1	Each	1161	Rupees One thousand one hundred sixty one only.	1161
G.Total:-						65603
Note:- The credit of dismantled material for Rs.1,528/- (Rs.One thousand five hundred twenty eight) only may be recover in the bill.						


Executive Engineer,
Electrical Division,
HPPWD., Una.

DRAFT SCHEDULE OF QUANTITY

Job No. 14

Estimated Cost:- Rs. 62,536/-

Earnest Money:- Rs. 1,300/-

Time Limit:- Six Months.

Name of work :- Providing & Installation of Cubical Panel in S.P Office Building at Bilaspur in Distt Bilaspur (H.P)

Sr. No.	Description of Items	Quantity	Rate	In Fig.	In Words.	Unit	Amount
1	Supplying and erection of following depth sheet metal cubical pedestal of suitable dimensions with plus-minus 5 cm variation, made from 1.6 mm thick M.S. sheet duly fabricated in a segregated manner for housing of switch fuse units, by welding each compartment on five sides & front side hinged, complete with locking arrangement, with sufficient No. vertical and horizontal intermediate switchgear housing compartments. The cubical pedestal shall have cable entry box at one or two sides, with epoxy powder coated approved paint and bonding to the existing earth etc. The same shall be erected in the 1:2:4 cement concrete plat-form of suitable dimensions 15 cm high from ground level and 45 cm thick. The cubical pedestal shall be 15 cm from the top of cement concrete plat-form:-The panel should be approved /Tested from the CPRI lab.& should confirmed to ISI: 64139						
1.01	300 mm deep (nominal)	0.25	15196		Rupees Fifteen thousand one hundred ninety six only.	Sq.mtr	3799
2	Supplying and fixing copper strip bus-bars suitable for 200 Amp. 415 volts capacity 4 No. each of cross-sectional area (25.4mmx3.17Mm),in the existing enclosure with all accessories including connections etc. as required:-.Make:-L&T ,Legrand, Hagger as approved by Engineer-in -charge.	1	7136		Rupees Seven thousand one hundred thirty six only.	P/mtr	7136
3	S/F indicator set RY &B with 3 Nos Kit kat (LED type) to shown the three indicating in the existing pannel complete etc as required.	3	973		Rupees Nine hundred seventy three only.	Each	2919
4	Supplying and fixing of voltmeter L&T flush mounting 96x96 mm inbuilt selector switch CT/PT site programmabe accuracy class1.0:0.5 complete with connection :testing and commissioning etc as required.make as per Siemens, ABB , or its equivalent as approved by Engineer-in -charge.	1	1648		Rupees One thousand six hundred forty eight only.	Each	1648
5	Supplying and fixing of ammeter L&T flush mounting 96x96 mm inbuilt selector switch CT/PT site programmabe accuracy class1.0:0.5 complete with connection :testing and commissioning etc as required.make as per Siemens, ABB , or its equivalent as approved by Engineer-in -charge.	1	1648		Rupees One thousand six hundred forty eight only.	Each	1648

6	supplying and fixing CT coil 500/5 amp with burden of VA 15 accuracy class -1 Make:-Automatic Electric Ltd ,L&T,Legrand .	3	1740	Rupees One thousand seven hundred forty only.	Each	5220
7	Supplying and fixing of 4 pole MCCB 160-200 Amp Ics = 100% ieu, 50 KA & @ 415 volts, 50 Hz with thermal magnet in release complete with connection ,testing and commissioning etc as required. Make:- L&T CAT NO CM92106OONIOG, Legrand, Hagger, or its equivalent as approved by Engineer-in -charge.	1	33651	Rupees thirty three thousand six hundred fifty one only.	Each	33651
8	Providing and laying of one number additional PVC insulated and PVC sheathed armoured / XLPE power cable of 1.1 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering.:- Make:-KEI,POLYCAB, PLAZA or its equivalent as approved by Er-in-charge	5	1303	Rupees One thousand three hundred three only.	P/mtr	6515
G. Total:-						62536


Executive Engineer,
Electrical Division,
HPPWD., Una.

DRAFT SCHEDULE OF QUANTITY

Job No. 15

Estimated Cost:- Rs. 1,94,167/-

Earnest Money:- Rs. 3,900/-

Time Limit:- Six Months.

Name of work:- Providing power inverter for standby power supply at S.E.Residence 10th Circle HP.PWD.Bilaspur H.P.

S. No	Description of items	Quantity	Rate In Fig.	In words.	unit	Amount
1	SITC of I-Cruze Connected VI 6000+/72V INVERTER of Luminous make including making connections etc as required complete in all respect.	1	67990	Rupees Sixty seven thousand nine hundred ninety only.	Each	67990
2	Providing and fixing of 12 V/150 AH LEAD ACID Battery of model no RC18000 PRO of Luminous make including making connections etc as required complete in all respect.	6	18900	Rupees Eighteen thousand nine hundred only.	Each	113400
3	Providing and fixing stand for housing battery and UPS as required complete in all respect.	1	5000	Rupees Five thousand only.	Each	5000
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 PVC conduit along with 1 No. HRFR/S/PVC insulated single core copper conductor cable of same size for earthing as required. Make:- KEI, Anchor, Polycab, Plaza as approved by Engineer -in-charge. 2X4Sqmm	16	330	Rupees three hundred thirty only.	p/mtr	5280
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, 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 4 Way D/D	1	1100	Rupees One thousand one hundred only.	Each	1100
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 its equivalent as approved by Engineer-in -charge	1	1397	Rupees One thousand three hundred ninety seven only.	each	1397
G.Total						194167


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

DRAFT SCHEDULE OF QUANTITY

		Estimated Cost:- Rs. 47,954/-				
		Earnest Money:- Rs. 1,000/-				
		Time Limit:- Six Months.				
Name of work :- Providing & Installation of Separate Controller for Autoclave machine installed in M.C.H. Wing, RH Bilaspur in Distt Bilaspur (H.P)						
Sr. No.	Description of Items	Quantity	Rate In Fig.	In Words.	Unit	Amount
1	Supplying and erection of following depth sheet metal cubical pedestal of suitable dimensions with plus-minus 5 cm variation, made from 1.6 mm thick M.S. sheet duly fabricated in a segregated manner for housing of switch fuse units, by welding each compartment on five sides & front side hinged, complete with locking arrangement, with sufficient No. vertical and horizontal intermediate switchgear housing compartments. The cubical pedestal shall have cable entry box at one or two sides, with epoxy powder coated approved paint and bonding to the existing earth etc. The same shall be erected in the 1:2:4 cement concrete plat-form of suitable dimensions 15 cm high from ground level and 45 cm thick. The cubical pedestal shall be 15 cm from the top of cement concrete plat-form:-The panel should be approved /Tested from the CPRI lab.& should confirmed to ISI: 64139					
1.01	300 mm deep (nominal)	0.25	15196	Rupees Fifteen thousand one hundred ninety six only.	Sq.mtr	3799
2	Supplying and fixing copper strip bus-bars suitable for 100 Amp. 415 volts capacity 4 No. each of cross-sectional area (25.4mmx3.17Mm),in the existing enclosure with all accessories including connections etc. as required:-.Make:-L&T ,Legrand,Haggar as approved by Engineer-in -charge.	1	4917	Rupees Four thousand nine hundred seventeen only.	P/mtr	4917
3	S/F indicator set RY & B with 3 Nos Kit kat (LED type) to shown the three indicating in the existing pannel complete etc as required.	3	973	Rupees Nine hundred seventy three only.	Each	2919
4	Supplying and fixing of voltmeter L&T flush mounting 96x96 mm inbuilt selector switch CT/PT site programmabe accuracy class1.0;0.5 complete with connection ;testing and commissioning etc as required.make as per Siemens, ABB , or its equivalent as approved by Engineer-in -charge.	1	1648	Rupees One thousand six hundred forty eight only.	Each	1648
5	Supplying and fixing of ammeter L&T flush mounting 96x96 mm inbuilt selector switch CT/PT site programmabe accuracy class1.0;0.5 complete with connection ;testing and commissioning etc as required.make as per Siemens, ABB , or its equivalent as approved by Engineer-in -charge.	1	1648	Rupees One thousand six hundred forty eight only.	Each	1648

7	Supplying and fixing of 4 pole MCCB 80-100 Amp Ics = 100% i.c.u, 50 KA & @ 415 volts, 50 Hz with thermal magnet in release complete with connection, testing and commissioning etc as required. Make:- L&T CAT NO CM92106OONTOG, Legrand, Hagger, or its equivalent as approved by Engineer-in -charge.	1	11103	Rupees Eleven thousand one hundred three only.	Each	11103
8	Providing and laying of one number additional PVC insulated and PVC shethedarmoured / XLPE power cable of 1.1 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering :- Make:-KEL,POLYCAB, PLAZA or its equivalent as approved by Er-in-charge	40	548	Rupees Five hundred forty eight only.	P/mtr	21920
G. Total:-						47954


 Executive Engineer,
 Electrical Division,
 HPPWD., Una.

DRAFT SCHEDULE OF QUANTITY							Job No. 17
							Estimated Cost:- Rs. 2,40,538/-
							Earnest Money:- Rs. 4,900/-
							Time Limit:- Six Months.
Name of work :- Replacement of E.L. In the O.O Suprintending Engineer Campus 10th Circle HP PWD Bilaspur H.P.(B&R Sub Division No-2, Conference Hall , PWD Horticulture Sub Division & adjoining Verandah.)							
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 steel conduit, with modular switch, suitable GI box and earthing the point with 1.5 sq mm. FRLS PVC insulated copper conductor single core cable etc as required.Make :-Anchor (Roma classic),L&T (Entice),Legrand(Myrius) or its equivalent as approved by Engineer-in -charge.						
1.01	Group C	52	Each	1709	Rupees One thousand seven hundred nine only.	88868	
2	Supplying and fixing Computer board comprising 3 nos 5 amp modular switches , G.I box 2 module for jack box and G.I Box 12 module for 5 amp switches and 5 amp sockets comprising sheet cover for each 2 module metal box , one no computer jack (RJ-45)with shutter including connections etc as required.Make :-Anchor (Roma classic),L&T(Entice),Legrand(Myrius) or its equivalent as approved by Engineer-in -charge.	12	Each	2370	Rupees Two thousand three hundred seventy only.	28440	
3	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.	7	Each	563	Rupees Five hundred sixty three only.	3941	
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) or as approved by Engineer-in -charge.	17	Each	743	Rupees Seven hundred forty three only.	12631	
5	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as requiredMake :-Anchor (Roma classic),L&T(Entice),Legrand(Myrius) or its equivalent as approved by Engineer-in -charge.						
5.01	Bell push	8	Each	155	Rupees One hundred fifty five only.	1240	
6	Wiring for circuit/submain wiring alongwithearthwiringwith the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required Make:-Plaza,KEI,Finolex or its equivalent as approved by Engineer-in -charge.						
6.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	15	Meter	326	Rupees three hundred twenty six only.	4890	
6.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	25	Meter	451	Rupees Four hundred fifty one only.	11275	
6.03	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	10	Meter	565	Rupees Five hundred sixty five only.	5650	
6.04	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	5	Meter	611	Rupees Six hundred eleven only.	3055	

7	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	10	Each	59	Rupees Fifty nine only.	590
8	Supplying and fixing Ding Dong bell suitable for single phase, 230 V, complete as required Make :-Anchor (Roma classic), L&T(Entice), Legrand(Myrius) or its equivalent as approved by Engineer-in -charge.	5	Each	234	Rupees Two hundred thirty four only.	1170
9	Providing and fixing of following type surface mounted Luminaire LED batten having high Quality design aluminium extruded decorative end caps and it should be compatible with specification i.e. Power Factor > 0.9, Harmonic Distortion < 15% and efficiency > 100 Lumens per watt, CRI > 80 suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc as Make Philips, Panasonic jaquar or its equivalent as approved by Engineer-in -charge. (Five year warranty)					
9.01	10 watt (Mirror Light)					
9.02	22 watt	4	Each	415	Rupees Four hundred fifteen only.	1660
10	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) Bajaj, Crompton or its equivalent as approved by Engineer-in -charge.	12	Each	665	Rupees Six hundred sixty five only.	7980
10.01	Ceiling Fan 1200 mm sweep					
11	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) or its equivalent as approved by Engineer-in -charge.	4	Each	2515	Rupees Two thousand five hundred fifteen only.	10060
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, Bajaj, Crompton or its equivalent as approved by Engineer-in -charge.	16	Each	410	Rupees Four hundred ten only.	6560
13	Supplying and fixing of following watts recess/Surface round type LED downlight , 6000k , and it should be compatible with specification e.i. Power Factor > 0.9, 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)	3	Each	2347	Rupees Two thousand three hundred forty seven only.	7041
13.01	20W					
14	Supplying and fixing of following watts surface round type LED downlight , 6000k , and it should be compatible with specification e.i. Power Factor > 0.9, 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)	6	Each	1576	Rupees One thousand five hundred seventy six only.	9456
14.01	20W					
15	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/recess, complete with tinned copper bus bar, neutral busbar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator). Make L&T , Legrand, Hager or its equivalent as approved by Engineer-In-Charge	8	Each	1576	Rupees One thousand five hundred seventy six only.	12608

15.01	MCBDB 12 WAY	3	Each	2394	Rupees Two thousand three hundred ninety four only.	7182
16	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.					
16.01	single pole	28	Each	261	Rupees Two hundred sixty three only.	7308
17	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	Each	1161	Rupees One thousand one hundred sixty one only.	3483
18	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 conduit as required Diplast/BEC/Polyfit or its equivalent as approved by Engineer-in -charge.					
18.01	25 mm	30	Meter	111	Rupees One hundred eleven only.	3330
19	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/recessed steel/ PVC conduit as required.Make:-Polycab,Finolex,D-Link or its equivalent as approved by Engineer-in -charge.	40	Meter	53	Rupees fifty three only.	2120
G. Total:-						240538

Note:- The credit of dismantalled material for Rs.1,538/- (Rs.One thousand five hundred thirty eight) only may be receive


Executive Engineer,
Electrical Division,
HPPWD, Una.

DRAFT SCHEDULE OF QUANTITY									
Job No. 18									
Estimated Cost:- Rs. 71,315/-									
Earnest Money:- Rs. 1,500/-									
Time Limit:- One Year.									
Name of work :-C/O Type I Qtr one no in parking of Type III Qtrs at Matani Distt Hamirpur HLP (SH:- Providing E.I therein)									
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 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) or its equivalent as approved by Engineer-In-Charge								
1.01	Group A	12	Each	951	Rupees Nine hundred fifty one only.	11412			
2	Wiring for twin control light 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 , 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.Make :-Anchor (Roma classic),L&T(Entice),Legrand(Myrius) or its equivalent as approved by Engineer-In-Charge	2	Each	1420	Rupees One thousand four hundred twenty only.	2840			
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 Heavy class PVC Conduit having wall thickness minimum 2.0 mm as required Make:-Plaza,KEI,Finolex or its equivalent as approved by Engineer-in -charge.								
3.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	30	Meter	203	Rupees Two hundred three only.	6090			
3.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	30	Meter	322	Rupees three hundred twenty two only.	9660			
3.03	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	2	Meter	579	Rupees Five hundred seventy nine only.	1158			
3.04	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	10	Meter	537	Rupees Five hundred thirty seven only.	5370			
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,KEI,Finolex or its equivalent as approved by Engineer-in -charge.								
4.01	3 x 1.5 sq. mm	15	Meter	98	Rupees Ninety eight only.	1470			
5	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 its equivalent as approved by Engineer-in -charge.	3	Each	449	Rupees Four hundred forty nine only.	1347			
6	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(Myrius) or its equivalent as approved by Engineer-in -charge.	4	Each	582	Rupees Five hundred eighty two only.	2328			
7	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.								
7.01	25 mm	20	Meter	112	Rupees One hundred twelve only.	2240			
8	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.Make :-Anchor (Roma classic),L&T(Entice),Legrand(Myrius) or its equivalent as approved by Engineer-in -charge.	1	Each	78	Rupees Seventy eight only.	78			

9	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,Bajaj, Crompton or its equivalent as approved by Engineer-in -charge.	2	Each	2185	Rupees Two thousand one hundred eighty five only.	4370
10	Supplying and fixing exhaust fan louver shutter for 300 mm exhaust fan on the existing wall, painting etc, as required,	2	Each	650	Rupees Six hundred fifty only.	1300
11	Providing, Installation, testing and commissioning of ceiling fan, including 2 module Step type fan regulator 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 PLUS)Bajaj,Crompton or its equivalent as approved by Engineer-in -charge.					
11.01	Ceiling Fan 1200 mm sweep	2	Each	3440	Rupees three thousand four hundred forty only.	6880
12	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.Make TISVA (Cat no AL916611X) ,wipro,Philips or equivalent Make :-Tisva ,Panasonic Philips or its equivalent as approved by Engineer-in -charge.(Five year warranty)	5	Each	139		695
13	Providing and fixing of following type surface mounted Luminaire LED batten, having high Quality design aluminium extruded decorative end caps and it should be compatible with specification i.e. Power Factor > 9, Harmonic Distortion < 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 Jaquar or its equivalent as approved by Engineer-in - charge.(Five year warranty)					
13.01	24 watt	2	Each	603	Rupees Six hundred three only.	1206
14	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.	5	Each	55	Rupees fifty five only.	275
15	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	1	P/set	4532	Rupees Four thousand five hundred thirty two only.	4532
16	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required	30	P/mtr	40	Rupees Forty only.	1200
17	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/recess, complete with tinned copper bus bar, neutral busbar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) Make L&T, Schneider, ABB or its equivalent as per best satisfaction of Engineer-in - charge.					
17.01	MCB DB 12 WAY	1	Each	2434	Rupees Two thousand four hundred thirty four only.	2434
18	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, Schneider, ABB or its equivalent as per best satisfaction of Engineer-in -charge.					
18.01	single pole	1	Each	266	Rupees Two hundred sixty six only.	266
19	Supplying and erection of 40/50/63 amps rating, 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, Schneider, ABB or its equivalent as per best satisfaction of Engineer-in -charge.	1	Each	1198	Rupees One thousand one hundred ninety eight only.	1198
20	Supplying and fixing 40 amp rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.-Make L&T, Schneider, ABB or its equivalent as approved by Engineer-in -charge.	1	Each	2966	Rupees Two thousand nine hundred sixty six only.	2966
G. Total:-						71315

Executive Engineer,
Electrical Division,
HPPWD., Una.

DRAFT SCEHEDULE OF QUANTITY					
JOB NO. 19					
		Estimated Cost:- Rs. 1,45,734/-			
		Earnest Money:- Rs. 3,000/-			
		Time Limit:- One Year.			
Name of Work:- Annual Comprehensive Maintenance contract (AMC) of 1 Nos. 13 Passenger lift (Kone make) in Mini Secretariat Building at Nadaun Distt. Hamirpur (HP) (For the year 2023-24).					
Sr. No.	a	Quantity	Unit	Rate	Amount
1.00	Regular examination, lubrication and Adjustment of the equipment and planned maintenance in the systematic manner and replacement of parts as detailed				
1.01	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	Syustematic 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 holdder, bearings, coils, resistance for operating and Motor circuit, magnet frames and other mechanical parts, controller, selector leveling, devices cams, relays, solid state comonents 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 positon indicators hall lanterns, car direction indicators and all other car and landings as installed by Kone Deflector or secondary sheave, bearing, car counter weight and counterweight guide rails and buffers, top and button limit switches, Governor tension sheaves asseembly, compensating sheaves assembly car, counter weight and counter overweight guide shows including rollers or gibs, interlock on Hoist way.				
1.03	Examine periodically all safty devices and governor and all customary safty 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	Job	145734	Rupees One Lac. Forty five thousand seven hundred thirty four only.
	TOTAL:				145734

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DRAFT SCHEDULE OF QUANTITY						JOB NO. 20		
						Estimated cost:-Rs. 85,877/-		
						Earnest money:- Rs. 1,700/-		
						Time Limit:- Six months.		
Name of work:- Replacement of damaged MCB, DP, MCB and Led Batten in Child Care Institution (Bal Ashram) at Sujapur Distt. Hamirpur (H.P).								
S. No.	Description of Items	Quantity	Rate Fig.	In words.	Unit	Amount		
1	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 10 kA, "C" curve,miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.Make:-L&T Cat. No. (CM930070000AG),Legrand,Haggar , or its equivalent as approved by Engineer-in -charge.							
1.01	Single pole	36	263	Rupees Two hundred sixty three only.	Each	9468		
2	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:-	6	1195	Rupees One thousand one hundred ninety five only.	Each	7170		
3	Providing and fixing following rating and breaking capacity MCCB 4 pole with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.Make:-L&T Cat. No. (CM930070000AG),Legrand,Haggar , or its equivalent as approved by Engineer-in -charge.							
3.01	63 A 18 KA	1	5300	Rupees Five thousand three hundred only.	Each	5300		
4	Supplying and fixing of 4 pole DU 125H/DU100D/DU125D/DNO MCCB Enclosure complete with connection testing and commissioning etc.asrequired .Make:-L&T (cat no-CM909960000), Legrand,Haggar , or its equivalent as approved by Engineer-in -charge.	1	1631	Rupees One thousand six hundred thirty one only.	Each	1631		

5	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 (25.4mmx3.17mm), enclosure made from 1.6 mm thick M.S. sheet having overall dimensions (380mmx400mmx150mm) nominal with all accessories including connections, earthing the body etc. as required. Make:- Havell (cat no-IHBS006304), Siemens, L&T, or its equivalent as approved by Engineer-in -charge.	1	7050	Rupees seven thousand fifty only,	Each	7050
6	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.					
6.01	5/6 amps switch	72	29	Rupees fifty six only,,	EACH	2088
6.02	3 pin 5/6 amp socket outlet	11	54	Rupees Fifty four only.	EACH	594
6.03	15/16 amp switch	10	100	Rupees One hundred only,	EACH	1000
6.04	6 pin 15/16 amp socket outlet	10	108	Rupees One hundred eight only,	EACH	1080
7	Supplying and fixing PVC box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in FRLSont including providing and fixing 3 pin 5/6 amps socket outlet and 5/6 amps piano type switch, connection, painting etc. as required.	1	187	Rupees One hundred eighty seven only,	EACH	187
8	Supplying and fixing PVC box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in FRLSont including providing and fixing 6 pin 5/6 & 15/16 amps socket outlet and 15/16 amps piano type switch, connection, painting etc. as required.	2	316	Rupees three hundred sixteen only.	EACH	632
9	Supplying and fixing phenolic laminated sheet cover 9x11" completed in all respect	12	60	Rupees sixty only,	EACH	720
'10	Supplying and fixing phenolic laminated sheet cover 5x8 " completed in all respect	18	24	Rupees Twenty four only,	EACH	432
11	Supplying and fixing two module stepped type electronic fan regulator on the existing switch box including connections but excluding modular plate etc. as required.	12	291	Rupees Two hundred ninety one only,	EACH	3492
12	Supplying and fixing PVC batten/ angle holder including connection etc. as required.	8	47	Rupees forty seven only.	EACH	376

13	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed PVC conduit as required						
13.01	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	15	323	Rupees three hundred twenty three only.	METER	4845	
14	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVCconduit as required.						
14.01	S/D 3 X 4 sq. mm	12	219	Rupees Two hundred nineteen only.	METER	2628	
14.02	S/D 3X 10 sq. mm	20	558	Rupees five hundred fifty eight only.	METER	11160	
14.03	S/D 6X 10 sq. mm	3	1080	Rupees One thousand eighty only.	METER	2700	
15	Supplying and fixing of following sizes of PVC conduit along with accessories insurface/recess including painting in case of surface conduit, or cutting the walland making good the same in case of recessed conduit as required.						
15.01	25 mm	3	113	Rupees One hundred thirteen only.	Meter	339	
16	Supplying and fixing Aluminium batten 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 (LGLZ01X024XN) /Philips,Panasonic or its equivalent as approved by Engineer-in-Charge	4	612	Rupees six hundred twelve only.	Each	2448	
17	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 Cat. No. (CM930070000AG),Legrand,Haggar , or its equivalent as approved by Engineer-in -charge.						
17.01	8 way, Double door	1	2049	Rupees Two thousand forty nine only.	Each	2049	

18	Earthing with copper earth plate 600 mmx600 mmx 3 mm thick, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe 2.7 Meter long etc. (with charcoal or coke and salt) complete as required.	1	13838	Rupees thireten thousand eight hundred thirty eight only.	Each	13838
19	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing	30	155	Rupees One hundred fifty five only.	Meter	4650
	Total.					85877


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

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Name of Work :-Replacement of batteries for inverter in Electrical Division & Sub Division HP.PWD., Distt. Una (HP)

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

DRAFT SCHEDULE OF QUANTITY						
						Job No. 22
					Estimated Cost:- Rs. 71,796/-	
					Earnest Money:- Rs. 1,500/-	
					Time Limit:- One Month.	
Name of Work :-Replacement of batteries for inverter in HP.PWD.Rest House Una, Distt. Una (HP)						
Sr. No.	Description	Quantity	Rate In Fig.	In Words.	Unit	Amount
1	Supplying and fixing of Battery 12 Volts 150 AH. complete with connections and all accessories as required.(Excide MAKE Code No. IMTT150012 V 150 AH.)	4	17949	Rupees Seventeen thousand nine hundred forty nine only.	Each	71796
G. Total :-						71796


 Executive Engineer,
 Electrical Division,
 HPPWD., Una.

DRAFT SCHEDULE OF QUANTITY						Job No. 23
					Estimated Cost:- Rs. 3,02,220/-	
					Earnest Money:- Rs. 6,100/-	
					Time Limit:- One Year	
NAME OF WORK:- Providing service of Junior Draftsman in HPPWD Electrical Division office Una Distt Una (w.e.f one year from awarded date).						
Sr. No.	Description of Item	Quantity	Rate In Fig.	In Words.	Unit	Amount
1	Engagement of 1 No Junior Draftsman in HPPWD Electrical Division office Una in General shift.	365	828	Rupees Three Lac. Two thousand two hundred twenty only.	per day	302220
G. Total:-						302220

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