



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

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

9763-9788

Dated

22/2/2024

To

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

Subject: -

Regarding publication of Tenders Notice.

Sir,

"JAI HIND"

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

DA:-As above.

Executive Engineer,
Electrical Division,
HPPWD, Una.

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

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

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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 **04.03.2024** in the presence of contractors/firms or their authorized representative who wish to be present.

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

TIME SCHEDULE OF TENDER

1.	Last date of receipt of application	:-	02-03-2024 up to 1.00 P.M.
2.	Date of sale of tenders	:-	02-03-2024 up to 5.00 P.M.
3.	Last date of receipt of bids	:-	04-03-2024 up to 11.30 A.M.
4.	Date of bid opening	:-	04-03-2024 up to 1.00 P.M.

Sr. No.	Name of work	Estimated Cost (In Rs.)	Earnest Money (In Rs.)	Time limit	Cost of form (In Rs.)	Eligible Class of Contractor
1	Replacement of Damage Electrical Accessories in Working woman Hostel Building at Bilaspur, in Distt. Bilaspur (H.P)	67,140/-	1,400/-	Six Months	350/-	Class- D,C
2	Annual Comprehensive Maintenance contract (AMC) of 5 Nos. DG sets Sudhir & I No. Kirloskar make in Dr. RKGMC Hospital Hamirpur Distt. Hamirpur (HP).	3,79,960/-	7,600/-	One Year	350/-	Specialized Job
3	C/o Assistant Distt. Attorney office building at Nadaun, Distt. & Tehsil Hamirpur, HP (SH:- SH:- SITC AC's therein)	1,34,429/-	2,700/-	One Year	350/-	Specialized Job
4	C/o Govt. Sr. Sec School Chabutra Distt. Hamirpur (SH:- Providing E.I. therein)	1,08,017/-	2,200/-	One Year	350/-	Class- D,C
5	Providing & Installation of Cubical Panal and Sub-Main wires in Govt. Post Graduate College at Bilaspur in Distt. Bilaspur (H.P)	4,95,557/-	10,000/-	Six Months	350/-	Class- C,B

6	Providing Post Top Lantern in D.C residence at Hamirpur Tehsil & Distt. Hamirpur (H.P)	1,18,345/-	2,400/-	One Year	350/-	Class- D,C
7	Providing Fixing Dismantling and re- installation of Split type Air Conditioner in S.E 10th Circle of Building at Bilaspur, in Distt. Bilaspur H.P.	4,44,110/-	9,000/-	Three Months	350/-	Specialized Job
8	Providing service of 1 No. Electrician/Technician for attending the complaints of E.I. at Nadaun under ESD Hamirpur, Distt. Hamirpur, (H.P) (One year from the awarded date)	2,95,204/-	5,900/-	One Year	350/-	Class- D,C
9	Providing Service of Electrician for attending the complaints of E.I. in Rest House Sujampur, Rest House Parlander, Sub-Division Sujampur, Sub Division Tauni Devi, Rest House Samirpur, Rest House Uhal. Mini Secretariat Sujampur under HPPWD Electrical Section Sujampur Distt. Hamirpur (H.P.) (for one year from the date of award)	2,98,080/-	6,000/-	One Year	350/-	Class- D,C
10	C/o Indoor Auditorium Building at Bilaspur Distt. Bilaspur (HP) SH:- (Existing Pump House , Dismantling and Installation, Testing and Commissioning of Fire Fighting Pump House therein).	3,64,643/-	7,300/-	Three Months	350/-	Specialized Job
11	C/o Junior Engineer office cum residence at Uhal (Section Uhal) Distt. Hamirpur (H.P) (SH:- Prov. E.I. therein)	3,93,914/-	7,900/-	Two Year	350/-	Class- C,B
12	Replacement of old/burnt switchgear in various Non-residential Govt. buildings i.e. (B&R) Division Hamirpur, 8th Circle Hamirpur ,Chief Office Hamirpur, Distt. Court Hamirpur, under ESD Hamirpur (H.P)	3,10,093/-	6,200/-	One Year	350/-	Class- C,B
13	C/o Residential accommodation Type IV 3 Nos. quarter and Type III quarter 6 Nos. for officers/staff of Distt. Attorney at Hamirpur (HP) (SH:- C/o Type-III Qtrs. 6 Nos.) (SH:- PTC Geysers therein)	52,848/-	1,100/-	One Year	350/-	Class- D,C
14	Providing Lights points, Power points and shifting of UPS in CMO office Hamirpur Distt. Hamirpur HP.	1,76,916/-	3,500/-	One Year	350/-	Class- D,C
15	Providing /Replacement of E.I in various Govt. Residential building Under ESD Bilaspur in Distt.	3,35,944/-	6,800/-	Six Months	350/-	Class- C,B

	Bilaspur (H.P)					
16	Replacement of E.I in the Office of HPPWD Sub Division (B&R) Beri Bilaspur in Distt. Bilaspur (H.P)	2,46,836/-	5,000/-	Three Months	350/-	Class- D,C
17	Replacement of E.I in the Old building of Session Court at Bilaspur in Distt. Bilaspur (H.P)	2,50,541/-	5,500/-	Three Months	350/-	Class- D,C
18	Replacement of E.I in the Rest House building at Shri Naina Devi Ji at Bilaspur in Distt. Bilaspur (H.P)	4,95,283/-	10,000/-	Three Months	350/-	Class-C, B
19	R/M of damaged accessories, E.I. in various NR buildings i.e. Judicial Court Complex, Distt. Attorney Office, Rest house Bohni & Hamirpur under ESD Hamirpur Distt. Hamirpur (HP).	1,38,182/-	2,800/-	One Year	350/-	Class- D,C
20	R/M of damaged accessories, E.I. in various Residential bldgs i.e. Pooled colony Type IV Qtr No. 1 to 12 under ESD Hamirpur Distt Hamirpur (HP)	2,16,673/-	4,300/-	One Year	350/-	Class- D,C
21	C/O State Vigilance and Anti Corruption Bureau Building at Bilaspur (H.P) (SH:- Providing E.I. Balance work therein.)	1,06,007/-	2,200/-	Six Months	350/-	Class- D,C
22	Replacement of damaged accessories in various N.R. Govt. Buildings i.e. HPPWD Division Tauni Devi, Rest House Sujampur, Rest House Patlander, NH Sub Division Samirpur under ESD Hamirpur Distt. Hamirpur (H.P.)	79,560/-	1,600/-	Six Months	350/-	Class- D,C
23	C/O S.D.M. Residence at Nadaun Distt. Hamirpur (HP) (SH:- Providing E.I. therein)	3,31,360/-	6,700/-	One Year	350/-	Class- C,B
24	C/o 6 Nos. Class room at Govt. S.S.S. Pandoga , Tehsil Haroli Distt. Una (HP) (SH:- Providing E.I. therein).	4,99,869/-	10,000/-	One Year	350/-	Class- C,B
25	C/O Mini Sectt. Building at Una, Distt. Una (HP) (SH:- Balance work of light point therein)	Rs.4,99,426/-	10,000/-	Six Months	350/-	Class- C,B
26	C/O Mini Sectt. Building at Una, Distt. Una (HP) (SH:- Balance work of E.I. therein)	Rs. 4,98,864/-	10,000/-	Six Months	350/-	Class-C-B
27	C/O Mini Sectt. Building at Una, Distt. Una (HP) (SH:- Balance work of Panel therein)	Rs. 4,98,000/-	10,000/-	Six Months	350/-	Class-C,B

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. 67,140/-		
			Earnest money:-	Rs. 1,400/-		
			Time Limit:-	Six Months.		
Name of work :- Replacement of Damage Electrical Accessories in Working woman Hostel Building at Bilaspur in Distt Bilaspur H.P						
S.N.	Description of Items	Quantity	Rate in fig.	In Words	Unit	Amount
1	Supplying and fixing following rating Modular switch /socket/Bell Push on the existing switch box / cover including connections etc. as required. (Make:- Legrand(Myrius),L&T(Entice),Anchor(Roma Plus).					
1.1	S.P. 5/ 6 Amps one way Modular switch.	13	106	Rupees One hundred six only.	each	1378
1.2	5 pin, 5/ 6 Amps Modular socket outlet.	16	138	Rupees One hundred thirty eight only.	each	2208
2	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.	9	860	Rupees Eight hundred sixty only.	each	7740
3	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase,230 volts complete as required:-	6	260	Rupees Two hundred sixty only.	each	1560
4	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	941	Rupees Nine hundred forty one only.	each	3764
5	Supplying and fixing bakelite batten/angle holder including connections etc. as required:-	6	98	Rupees Ninety eight only.	each	588

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	4061	Rupees Four thousand sixty one only.	each	24366
i	Ceiling Fan 1200 mm sweep					
7	Supplying and Fixing LED Battan 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.	14	1824	Rupees One thousand Eight hundred twenty four only.	each	25536
Total						67140

The Credit of dismantle material Rs. 500/- only will be detected from the Contractor bill.


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

DRAFT SCHEDULE OF QUANTITY				Job No. 02	
				Estimated cost:- Rs.3,79,960/-	
				Earnest money:- Rs. 7,600/-	
				Time Limit:- One year.	
Name of Work:- Annual Comprehensive Maintenance contract (AMC) of 5 Nos DG sets Sudhir & 1 no Kirloskar make in Dr RKGMC HOSPITAL HAMIRPUR Distt. Hamirpur (HP).					
Sr. No.	Description	Quantity	Rate in fig.	In Words	Unit Amount
1.00	Checking the engine for its smooth running, un-usual noise and colour of smoke from exhaust from exhaust. Checking and adjusting fan belt and water pump belt tension . Changing of both, if required. Cleaning of Air Filters to enhance engine life as well as proper inflow or air. Also changing them, if required. Carrying out valve tappet setting as and when required. End play checking of crank shaft, Accessory drive and Turbo Charger whenever required, carrying out periodical maintenance B&C checks however required spare shall be provided by- end user. Check of proper functioning of various instruments of dashboard/ instrument panel.. Diagnosis of various faults and then rectification, limited to minor ones, however if any parts required that will be provided by end user. Health check of battery, checking of Acoustic Enclosure.				

2	ELECTRICAL SCOPE OF WORK-Checking and fault finding in the Electrical system associated with the engine. General cleaning of alternator from inside with hand blower. checking carbon brush, if applicable for their proper length and spring tension (in case of convectional alternator). Cleaning battery terminals for sulfation and checking its state. Maintenance of instruments relays and connectors fitted in Genset Control Panel. Checking of wiring system for its loose and dry connections. Charging of rectifiers whenever required (in case of convectional alternator). Checking rotating diode assembly in brushless alternator. Checking of mounting bolts. Diagnosis of various faults and their rectification at site. Testing of alternator, once in six months only for L.T. Fault rectification of AMF Panel, if Installed. Greasing of alternator bearing as per manufacturer recommendation.					
3	Service of 25 Kva DG set i.e changing of filter oil, separator, fuel water, coolant, 2ltrs complete, foil, sealed test strips cc2602b, element- air cleaner, valvoline premium blue 7800 plus 1/8ltr...					
4	service of 50 Kva DG set i.e changing of filter oil, separator, fuel water, coolant, 2ltrs complete, foil, sealed test strips cc2602b, element- air cleaner, valvoline premium blue 7800 plus 1/8ltr...					
5	service of 62.5Kva DG set 2 no i.e changing of filter oil, separator, fuel water, coolant, 2ltrs complete, foil, sealed test strips cc2602b, element- air cleaner, valvoline premium blue 7800 plus 1/8ltr in each DG.					
6	service of 100Kva DG set i.e changing of filter oil, separator, fuel water, coolant, 2ltrs complete, foil, sealed test strips cc2602b, element- air cleaner, valvoline premium blue 7800 plus 1/20ltr...					
7	service of 250Kva DG set i.e changing of filter oil, separator, fuel water, coolant, 2ltrs complete, foil, sealed test strips cc2602b, element- air cleaner, valvoline premium blue 7800 plus 1/20ltr...					
	6 Mandatory visits (BI-Monthly visit)					
	Complete job	1	379960	Rupees Three Lac Seventy Nine thousand Nine hundred Sixty only.	job	379960
	TOTAL					379960

DRAFT SCHEDULE OF QUANTITY				Job No. 03		
				Estimated cost:- Rs.1,34,429/-		
				Earnest money:- Rs. 2,700 /-		
				Time Limit:- One year.		
Name of Work:-C/O Assistant Distt Attorney office building at Nadaun, Distt & Tehsil Hamirpur HP(Sh:- SH:- SITC AC's therein)						
Sr.No.	Description	Quantity	Rate	In Words	Unit	Amount
1	Supplying and fixing 1.5 ton inverter split type air conditioner Hot and Cold with voltage stablizer 140V to 290 V , advanced filter ,E saver mode , quit mode, dual display ,auto clean ,anti bacteria filter jet Cool on/off timer sleep mode compressor cord less remote complete in all respect as per comprising to ISI with latest amendment suitable to operate on 230 volt /240 volt + _ 10 % AC supply capable to perform the function of cooling dehumidification air circulation ventilation and fitting in size of nominal cooling capacity and drain pipe 20 mm dia approximately 3mtrs long 2 nos copper pipe with insulator for inlet and outlet approximately 3 mtrs long and M.S powder coated frame /stand for erection of out door unit of split type A.,C including carrigae of material with in all leads and lift.minimum 3 star rating Make -Daikin (model:FTHT50), O General/Mitsubsi or equivalent as approved by the Engineer Charge warranty five year	2	66242	Rupees Sixty Six Thousand Two hundred forty two only.	each	132484
2	Supplying and drawing copper conductor 3 core 2.5 Sqmm industrial cables & PVC insulated, PVC round sheathed multicore industrial Cables as required complete in all respect.	5	165	Rupees One Hundred Sixty five only.	Meter	825

3	Supplying and fixing of following sizes of Heavy class FRLS PVC Conduit having wall thickness minimum 2.0 mm along with accessories in surface/recess including cutting the wall and making good as required. Diplast/BEC/Polyfit. or its equivalent as approved by Er-In-Charge					0
3.01	25 mm	10	112	Rupees One hundred Twelve only.	Meter	1120
	TOTAL					134429


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

DRAFT SCHEDULE OF QUANTITY				Job No. 04		
				Estimated cost:- Rs.1,08,017/-		
				Earnest money:- Rs. 2,200/-		
				Time Limit:- One year.		
Name of work :- C/O Govt Sr .Sec School Chabutra Distt Hamirpur (SH:-Providing E.I there in)						
S.No.	Description of Items	Quantity	Rate in figs.	In Words	Unit	Amount
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed heavy duty pvc conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Make :-Anchor (Roma classic), L&T(Entice), Legrand (Myrius) pvc conduit Diplast, AKG, BEC, POLY India or its equivalent as approved by Er-In-Charge.					
1.1	Group -C	24.00	1163	Rupees One Thousand One hundred sixty three only.	each	27912
2	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. Make :-Anchor (Roma classic), L&T(Entice), Legrand(Myrius) or its equivalent as approved by Er-In-Charge.			0		0
2.1	5/6 amps switch	3	86	Rupees Eighty Six only.	each	258
2.2	5/6 amps socket	3	150	Rupees One Hundred fifty only.	each	450
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. Make :-Anchor (Roma classic), L&T(Entice), Legrand(Myrius) or its equivalent as approved by Er-In-Charge.					0

	3 Module (100mmX75mm)	3.00	487	Rupees Four hundred eighty seven only.	each	1461
4	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface recessed heavy class PVC conduit having wall thickness 2.0mm as required.					0
4.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	28	204	Rupees Two Hundred Four only.	meter	5712
4.1	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	12.00	440	Rupees Four Hundred Forty only.	meter	5280
5	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. Make:- Finolex, KEI, Anchor, Plaza as approved by Engineer -in -charge .			0		0
5.1	3 X 1.5 sq. mm	10.00	98	Rupees Ninety Eight only.	meter	980
6	Supply and fixing of IP20 Led fixture 4FT 20 W +/- 1 W with Surface Mounted 4 Feet with aluminium housing and Polycarbonate diffuser, minimum system efficacy of 100lm/W with P.F. >0.95 with THD <20% , CCT 6500 K, CRI 80, Surge Protection 2 Kv, IP20, The LED with Useful life of 50000 Hrs at 1.70. The Input voltage range shall be 150V to 270V, complete with all accessories, connections, testing and commissioning etc. as required. Make Philips/Wipro/Osram/Jaquar/panasonic or or its equivalent as approved by Engineer-in-Charge. (five year warranty).	13.00	925	Rupees Nine Hundred TwentyFive Only	each	12025

7	Supply and fixing of backlit non slim surface/recess led downlighter in 15 W +/- 1 W in Round Shape with with minimum system lumen efficacy of 100 lm/W and minimum system lumens 1800 lumen with Pressure Die cast Aluminium heat sink with and HET diffuser and polycarbonate mounting box P.F.>0.95 ,THD<10% ,CCT 5700K/4000K, CRI 80, UGR<23,IP20 protection.The LED with Useful life of 50000 Hrs at L70.. The Input voltage range shall be 150V to 270V .Fixture have Surge Protection 3kV .Driver . complete with all accessories, connections, testing and commissioning etc.as required. Make:- Philips/Wipro/Osram/Jaquar/panasonic or or its equivalent as approved by Engineer-in-Charge.(five year warranty).	3.00	2625	Rupees Two Thousand Six Hundred TwentyFive Only	each	7875
8	Providing, Installation, testing and commissioning of ceiling fan with socket type regulator,including wiring the down rods of standard length (up to 45 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required. Make:- Usha (TECHNIX PLUS 3 star), Bajaj, Crompton or its equivalent as approved by Er-in-charge(warranty five year).			0		0
	Ceiling Fan 1200 mm sweep	8.00	3853	Rupees Three Thousand Eight Hundred Fifty Three Only	each	30824
9	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 10 kA, "C" curve,miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.Make:- L&T Cat. No. (CM930070000AG),legrand,Hager , Schneider or its equivalent as approved by Engineer-in -charge.			0		0
	Single pole	4	265	Rupees Two hundred sixty five only.	each	1060

10	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required(five year warranty):-Make :- L&T,Legrand,Haggar , Schneider or its equivalent as approved by Engineer-in -charge.	1.00	1194	Rupees One thousand one hundred ninety four only.	each	1194
11	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required(five year warranty) make:- L&T,Legrand,Haggar , Schneider or its equivalent as approved by Engineer-in -charge.			0		0
	40amp, double pole, (single phase and neutral)	1.00	2953	Rupees Two Thousand Nine hundred fifty three only.	each	2953
12	MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator(five year warranty).Make:-L&T Cat. No. (CM9300700)AG).Legrand,Haggar , or its equivalent as approved by Engineer-in -charge.make:-L&T,Legrand,Haggar , Schneider or its equivalent as approved by Engineer-in -charge.			0		0
	8 way, Double door	1.00	2128	Rupees Two Thousand one hundred twenty eight only.	each	2128
13	Earthing with G.I earth pipe 4.5 mtr. long and 40mm dia. including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required.	1.00	6855	Rupees Six Thousand Eight Hundred Fifty Five Only	set	6855
14	Providing and fixing 6 SWG (4 mm dia.) G.I. wire on surface or in recess for loop earthing as required.	15.00	70	Rupees Seventy Only	meter	1050

Total.					108017
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108017

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

DRAFT SCHEDULE OF QUANTITY				Job No. 05		
				Estimated cost:- Rs 4,95,557/-		
				Earnest money:- Rs. 10,000/-		
				Time Limit:- Six Months.		
Name of work :- Providing & Installation of Cubical Panel and Submain wires in Govt. Post Graduate College at Bilaspur in Distt Bilaspur (H.P.)						
S.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 platform 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 platform:-The panel should be approved /Tested from the CPRI lab.& should confirmed to ISI: 64139	1.80	15196	Rupees Fifteen thousand one hundred ninety six only.	sq.mtr	27352.8
1.1	300 mm deep (nominal)					

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,Haggar as approved by Engineer-in -charge.	1.5	7136	Rupees Seven thousand one hundred thirty six only.	P/mtr	10704
3	Supplying and fixing copper strip bus-bars suitable for 63 Amp. 415 volts capacity 4 No. each of cross-sectional area (25.4mmx3.17Mm).in the existing enclosure with all accessories including connections etc. as required:-Make:- L&T ,Legrand,Haggar as approved by Engineer-in -charge.	0.75	3683	Rupees Three thousand six hundred eighty three only.	P/mtr	2762.25
4	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
5	Supplying and fixing of voltmeter L&T flush mounting 96x96 mm inbuilt selector switch CT/PT site programmable accuracy class 1.0;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 of ammeter L&T flush mounting 96x96 mm inbuilt selector switch CT/PT site programmable accuracy class 1.0;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 CT coil 50/5 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
8	Supplying and fixing of 4 pole 110 CB 200 Amp les = 100%	1	30308	Rupees Thirty thousand three hundred eight only.	each	30308

9.0	Wiring for circuit/submain wiring along with earthing wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed PVC conduit as required. Make: Plaza, KEL, Finolex or its equivalent as approved by Engineer-in-charge.					0
9.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	70	219		Rupees Two hundred nineteen only.	P/mtr 15330
9.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	130	355		Rupees Three hundred fifty five only.	P/mtr 46150
9.3	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	100	579		Rupees Five hundred seventy nine only.	P/mtr 57900
9.4	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	210	629		Rupees Six hundred twenty nine only.	P/mtr 132090
10	Supplying and Laying Weather proof 4 core 16 sq. mm cable with PVC Sheathed Multistand Copper Conductor for Voltage 1100 v in existing surface recessed PVC Conduit as required. Make: KEL Polycab, Finolex, or its equivalent as approved by Engineer-in-charge.	25	1346		Rupees One thousand three hundred forty six only.	P/mtr 33650
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.					0
	Single pole	30	296		Rupees Two hundred Ninety Six only.	each 8880

12	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, Heggler as approved by Engineer-in-charge.	6	1397	Rupees One thousand three hundred ninety seven only.	Each	8382
13	Supplying and fixing of 4 pole MCB 63 Amp Ics = 100% Icu, 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 CM9210600N10G, Legrand, Heggler, or its equivalent as approved by Engineer-in-charge.	3	13651	Rupees Thirteen thousand Six hundred fifty one only.	each	40953
14	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 Engineer-in-charge 50 Sqmm	60	11611	Rupees One thousand one hundred sixty one only.	P/mtr	69660
	Total					495557.05


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DRAFT SCHEDULE OF QUANTITY					Job No. 06	
					Estimated cost:- Rs.1,18,345/-	
					Earnest money:- Rs. 2,400 /-	
					Time Limit:- One year.	
Name of work :- Providing Post Top Lantern in D.C residence at Hamirpur Tehsil & Distt hamirpur H.P						
S.No.	Description of Items	Quantity	Rate in figs.	In Words	Unit	Amount
1	Providing and fixing of Post Top Lantern (sun opal), E-27 base lamp holder of suitable size, excluding with LED 40 watt lamp complete with all accessories, connections, testing and commissioning etc.as required .Make :- Twinkle eat ro LuxMax-PT-216-400, K-lite ,panasonic or its equivalent as approved by Engineer-in-charge. (Five year warranty)	14	2243	Rupces Two thousand two hundred forty three only.	each	31402
2	Providing and laying of one number additional PVC insulated and PVC sheathed Armoured /XLPE power cable of 1.1 K.V 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 Equivalent make					0
2.01	Armoured cable 6 sqmm(twin core)	120	294	Rupees Two hundred ninety four only.	mtr	35280
3	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.Make:-Plaza,KEI,Finolex or its equivalent as approved by En-In-Charge					0
3.01	3 x 1.5 sq. mm	30	98	Rupees Ninety eight only.	Meter	2940

4	Supplying and fixing of following sizes of Heavy class PVC Conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed Heavy class PVC Conduit having wall thickness minimum 2.0 mm as required. Diplate/BEC/Polyfit or its equivalent as approved by Er-In-Charge					0
4.01	25 mm	30	109	Rupees One hundred Nine only.	mtr	3270
5	Supplying and laying G.I. pipe of 50 mm. dia (A Class) surface /recess In ground/Wall etc, as required complete in all respect .	5	720	Rupees Seven hundred twenty only.	mtr	3600
6	Supplying and fixing cable junction box IP 66 Protection with integrated membranes for cable entry back ,with all accessories including connections etc as required Make Hansal (Cat no DK0600B), Sintex or its equivalent make	14	1176	Rupees One thousand one hundred seventy six only.	each	16464
7	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/f.CCB/Isolator) Make L&T, Schneider, ABB or its equivalent as per best satisfaction of Engineer-in - charge.					0
7.01	MCB DB 4 W.A.Y	1	1773	Rupees One thousand seven hundred Seventy three only.	each	1773
8	Supplying and erection of 40/50/63 amps rating. 10 KA breaking capacity. 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required: Make L&T, Legrand, Hager or its equivalent as approved by Engineer-In-Charge	2	1198	Rupees one thousand one hundred ninety eight only.	each	2396

9	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc, as required.) Make L&T, Legrand, Hager or its equivalent as approved by Engineer-In-Charge						0
9.01	single pole	14	2.6	Rupees Two hundred Sixty Six only.	each	3724	
10	Providing and installation of following type of LED retrofit Lamp E-27 holder base with polycarbonate diffuser and aluminium heat sink including connections, testing and commissioning etc. as required.: Make JAQUAR, wipro, Philips or its equivalent as approved by Engineer-in-Charge					0	
10.01	30 watt	14	5.4	Rupees Five hundred Sixty four only.	each	7896	
11	Supplying and fixing of monkey meanance for steel tubular poles having dia 75 mm i/c painting, screws, etc complete in all respect	12	800	Rupees Eight Hundred only.	each	9600	
	Total					118345	

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DRAFT SCHEDULE OF QUANTITY

						Job No. 07	
						Estimated cost:- Rs 4,44,110/-	
						Earnest money:- Rs.9,000/-	
						Time Limit:- Three Months.	

Name of Work:-Providing Fixing Dismantling and reinstallation of split type air conditioner in S.E 10th Circle of Building at Bilaspur' in Distt. Bilaspur H.P.

S.N.	Description	Quantity	Rate in fig.	In Words	Unit	Amount
1	Supplying and fixing 1.5 ton inverter split type air conditioner 1 lot and Cold with voltage stabilizer 150 V TO 290 V, advanced filter, E saver mode, quit mode, dual display, auto clean, anti bacteria filter jet Cool or /off timer sleep mode compressor cord less remote complete in all respect as per comprising to ISI with latest amendment suitable to operate on 230 volt /240 volt + 10 % AC supply capable to perform the function of cooling dehumidification air circulation ventilation and fitting in size of nominal cooling capacity and drain pipe 20 mm dia approximately 3mtrs long 2 nos copper pipe with insulator for inlet and outlet approximately 3 mtrs long and M.S power coated frame stand for erection of out door unit of split type A..C including carriage of material with in all leads and lift. Make - Daikin (model:FHT50), O General/Mitsubishi or equivalent as approved by the Engineer Charge.	5	82258	Rupees Eighty Two thousand two hundred fifty eight only.	Each	411290
2	Dismantling & Reinstallation of Split type Air conditioner	3	3500	Rupees Three Thousand Five hundred only.	Each	10500
3	Providing and fixing pvc drain pipe with elbow and tee etc as required 25mm size	26	195	Rupees One hundred Ninety five only.	P/mtr	5070

4	Providing and fixing copper pipe suitable for 1.5 ton capacity air conditioner etc as required.	15	1150	Rupees One thousand one hundred fifty only.	P/mtr	17250
TOTAL						
						444110


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DRAFT SCHEDULE OF QUANTITY				Job No. 08	
				Estimated cost:- Rs.2,95,204/-	
				Earnest money:- Rs. 5,900/-	
				Time Limit:- One year.	
Name of work : Providing service of 1 no. Electrician/Technician for attending the complaints of E.I. at Nadaun under ESD Hamirpur Distt. Hamirpur (H.P)(one year from the awarded date)					
S.no	Description	Qty	Rate in fig.	In words	Unit Amount
1	Engagement of 2 Nos Electrician /Technician in General shift as per requirement to attend the E.I complaints in HPPWD ESD Hamirpur .	364	811	Rupees Eight Hundred Eleven only.	per day 295204
	Total				295204


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DRAFT SCHEDULE OF QUANTITY					Job No. 09	
					Estimated cost:- Rs.2,91,080/-	
					Earnest money:- Rs. 6,000/-	
					Time Limit:- One year.	
Name of Work:- Providing Service of Electrician for attending the complaints of E.I. in Rest House Sujanpur, Rest House Parlender, Sub-Division Sujanpur, Sub Division Tauni Devi, Rest House Samirpur, Rest House Uhal, Mini Secretariat Sujanpur under HPPWD Electrical Section Sujanpur Distt. Hamirpur (H.P.) (for one year from the date of award)						
s.no	Description	qty	Rate in Fig.	In Words	Unit	Amount
1	Engagement of one nos Electrician / Technician for attending the E.I complaints under section Sujanpur.	360	828	Rupees Eight Hundred and Twenty Eight Only.	per day	298080
	Total					298080

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DRAFT SCHEDULE OF QUANTITY					Job No. 10	
					Estimated cost:-	Rs. 3,64,643/-
					Earnest money:-	Rs. 7,300/-
					Time Limit:-	Three Months.
Name of Work:- C/O Indoor Auditorium Building at Bilaspur Distt. Bilaspur (HP).SH:- (Existing Pump House, Dismantling And Installation, Testing and Commissioning of Fire Fighting Pump House therein).						
S. No.	Description	Quantity	Rate in fig.	In Words	Unit	Amount
1.00	Providing, laying, jointing and testing in following sizes of MS Class 'C' (heavy class) pipes Conforming to IS: 1239/3589 with accessories like fittings including tees, elbows, reducers, flanges gaskets, G.I. nuts, bolts complete with all accessories as required. Make Jindal Hissar, TATA					
1.01	25 mm	6	680.00	Rupees Six Hundred eighty only.	RM	4080.00
1.02	80 mm	6	1830.00	Rupees One thousand eight hundred thirty only.	RM	10980.00
1.03	150 mm	8	3726.00	Rupees Three thousand seven hundred twenty six only.	RM	29808.00
1.04	200 mm	8	5649.00	Rupees Five thousand six hundred forty nine only.	RM	45192.00
2.00	Dismantling of Fire Fighting Pump House including Main Fire Pump, Jockey Pump, Diesel Engine Driven, Butterfly Valve, Non Return Valve, Ms Pipe, Air Cushion Tank and all accessories of Fire Fighting Pump House and Labour in & ll respect.	1	48500.00	Rupees Forty eight thousand five hundred only.	Job	48500.00

3.00	Reinstallation, Testing and Commissioning of Fire Fighting Main Pump, Jockey Pump, Engine Driven, Air Cushion Tank, Butterfly Valve, NRV, Foot Valve and Tank Connection etc.	1	70500.00	Rupees Seventy thousand five hundred only.	Job	70500.00
4.00	Providing and Fixing 5 inch 5 suts G.I Nuts Bolts.	30	120.00	Rupees one hundred twenty only.	Kg	3600.00
5.00	Providing and Fixing 5 inch 5 suts G.I Nuts Bolts.	12	650.00	Rupees six hundred fifty only.	No.	7800.00
6.00	Providing Cast iron /steel Butterfly Valve Confirming to type P.N 1.6 of I.S 13095-1991 Complete with Flanges bolt ,nuts ,gasket etc. As per table 'E' specification complete in all respect hydraulically test to 20 K./sqcm. Make. ZOLOTOL.SANT,LEADER.					0.00
6.01	150 mm	3	15811.00	Rupees fifteen thousand eight hundred eleven only.	No	47433.00
7.00	Providing, laying and fixing of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade on surface etc.of the required size.					0.00
23.02	Armoured cable 70 sq. mm (3 5 core)	90	1075.00	Rupees One thousand seventy five only.	Mtrs	96750.00
	TOTAL					364643.00


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DRAFT SCHEDULE OF QUANTITY				Job No. 11	
				Estimated cost:- Rs.3,93,914/-	
				Earnest money:- Rs. 7,900/-	
				Time Limit:- Two year.	
Name of work:-C/o Junior Engineer office cum residence at Uhal (Section Uhal) Distt.Hamirpur (H P) (SH. Prov. E.I.therein)					
S. No.	Description of Items	Quantity	Rate In Fig.	In Words.	Unit Amount
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed 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				
i	Group A	25	1079	Rupees One thousand seventy nine only.	each 26975
ii	Group C	29	1709	Rupees One thousand seven hundred rine only.	each 49561
2	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, 2 way modular switch, 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	10	1737	Rupees One thousand seven hundred tirty seven only.	17370
3	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required				0
	5/6 amp Modular switch	8	89	Rupees Eighty nine only.	each 712
	5 pin 5/6 amp socket outlet	8	151	Rupees One hundred fifty one only.	each 1208

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. Make :-Anchor (Roma classic),L&T(Entice),Legrand(Myrius) or its equivalent as approved by Engineer-In-Charge	14	563	Rupees Five hundred sixty three only.	each	7882
4	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	11	743	Rupees Seven hundred forty three only.	each	8173
5	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 3 pin 5/6 amps modular socket outlets and 2 nos 5/6 amps modular switches, connection etc. as required. Make :-Anchor (Roma classic),L&T(Entice),Legrand(Myrius) or its equivalent as approved by Engineer-In-Charge	2	907	Rupees Nine hundred seven only.	each	1814
6	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	3	2370	Rupees Two thousand three hundred seventy only.	each	7110
7	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required Make:-Plaza,KEL,Finolex or its equivalent as approved by Engineer-In-Charge					0
I	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	101	326	Rupees three hundred twenty six only.	mt	32926
II	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	100	451	Rupees Four hundred fifty one only.	mt	45100
III	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	48	727	Rupees Seven hundred twenty seven only.	mt	34896

IV	2 X 10 sq. mm + 1 X 6 sq. mm earth wire		9	786	Rupees Seven hundred eighty six only.	mtr	7074
8	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/recessed steel/ PVC conduit as required.		36	53	Rupees fifty three only.	mtr	1908
9	Supplying and fixing of following sizes of PVC conduit along with accessories insurface/recess including painting in case of surface conduit, or cutting the walland making good the same in case of recessed conduit as required.						0
i	25 mm		30	111	One hundred eleven only.	mtr	3330
10	Providing, Installation, testing and commissioning of ceiling fan without regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required: Make:- Usha/TECHNIX PLUS), Bajaj, Crompton or its equivalent as approved by Engineer-in-charge						0
i	Ceiling Fan 1200 mm sweep		8	2515	Rupees Two thousand five hundred fifteen only.	each	20120
11	Providing and installation exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: Make:- Usha(AEROCLEAN PLUS DBB), Bajaj, Crompton or its equivalent as approved by Engineer-in-charge						0
i	Exhaust Fan, Light duty: 300 mm sweep		1	2285	Rupees Two thousand two hundred eighty five only.	each	2285
12	Providing and installation exhaust fan of 250mm (Plastic body) size in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: Make:- Usha, Bajaj, Crompton or its equivalent as approved by Engineer-in-charge		2	1871	Rupees One thousand eight hundred seventy one only.	each	3742
13	S/F louver and shutter for 300mm/150 mm on F2mm thick ply board as required complete in all respect		1	600	Rupees Six hundred only.	each	600

14	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:- Make:- Usha (Model Mist 24 litre), Bajaj, Recold or its equivalent as approved by Engineer-in-charge	1	10705	Rupees Ten thousand seven hundred five only.	each	10705
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 6 litre), Bajaj, Recold or its equivalent as approved by Engineer-in-charge	1	6745	Rupees Six thousand seven hundred forty five only.	each	6745
16	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:- Fanasonic (Model -PDLM10156BR)/Philips, wipro or its equivalent as approved by Engineer-in-Charge	18	1136	Rupees One thousand one hundred thirty six only.	each	20448
17	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 LGLZ01X024XXN)/Philips, Panasonic or its equivalent as approved by Engineer-in-Charge	8	495	Rupees Five hundred ninety five only.	each	4760
18	Supplying and fixing SURFACE 1x4 36 WATT LED , 5700k, (Five YEAR WARRANTY) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion < 10% and efficacy > 100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz. complete with all accessories, connections, testing and commissioning etc. Make:- panasonic (Model -PBTMT228)/Philips, Wipro or its equivalent as approved by Engineer-in-Charge	2	4299	Rupees Four thousand two hundred ninety nine only.	each	8598

19	Supplying and fixing Aluminium batten LED 10 watt, 6000k. (Five YEAR WARRANTY) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion < 10% and efficacy > 100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- Jaquar/ Philips, Panasonic or its equivalent as approved by Engineer-in-Charge	3	415	Rupees Four hundred fifteen only.	each	1245
20	Supplying and fixing of bulk head fitting LED 10 watt, 6500k. (Five YEAR WARRANTY) and it should be compatible with specification e.i. Power Factor > .9, Harmonic Distortion < 10% and efficacy > 100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- Jaquar (Model -)/Jaquar/PHILIPS, Panasonic or its equivalent as approved by Engineer-in-Charge	3	1125	Rupees One thousand one hundred twenty five only.	each	3375
21	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.	4	410	Rupees Four hundred ten only.	each	1540
22	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, "C" curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-	2	1161	Rupees One thousand one hundred sixty one only.	each	2322
23	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.					0
	40amp, double pole, (single phase and neutral)	2	2893	Rupees Two thousand eight hundred ninety three only.	each	5786
24	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 10 kA, "C" curve miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.	17	261	Rupees Two hundred sixty one only.	each	4437
25	Supplying and fixing of MCB distribution board, 240 volts, on surface recess, complete with tinne copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/isolator					0

i	12 way, Double door		1	2394	Rupees Two thousand three hundred ninety four only.	each	2394
ii	16 way Double door		1	2982	Rupees Two thousand nine hundred eighty two only.	each	2982
26	Supplying and fixing PVC batten/ angle holder including connection etc. as required.		7	59	Rupees fifty nine only.	each	413
27	Supplying and fixing true power make advanced earthing system having copper pipe 2 meter long 50 mm dia with terminal size 50x6 mm ,internal strip size 25x2 with 50 Kg compound including exavation of pit and refilling the same and making earthing pit cover 13 inch dia as required complete in all respect. make :-True power ,Earth plus,Ashloka or its equivalent as per best satisfaction of Engineer-in-charge.		2	12535	Rupees Twelve thousand five hundred thirty five only.	each	25070
28	Supplying and laying 8 SWG copper. wire at 0.50 metre below ground level for conductor earthing electrode, including connection/ termination with GI thimble etc. as required		30	112	Rupees One hundred twelve only.	mtr	3360
29	Supplying and fixing street light LED 60 watt with G.I bracket die cast Aluminium housing with frame and toughened glass, pipe mounting 5700k, (Five YEAR WARRANTY) and it should be compatible with specification e.i. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz. complete with all accessories, connections, testing and commissioning etc. Make - Jaquar (Model -LSRT015060XW)/Philips/wipro or its equivalent as approved by Engineer-in-Charge		3	5616	Rupees Five thousand six hundred sixteen only.	each	16843
	TOTAL						393934


 Executive Engineer,
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DRAFT SCHEDULE OF QUANTITY		Job No. 12	
		Estimated cost:- Rs.3,10,093/-	
		Earnest money:- Rs. 6,200/-	
		Time Limit:- One year.	

Name of work:- Replacement of old/burnt switch gear in various Non-residential Govt. buildings i.e (B&R) Division Hamirpur , 8th circle Hamirpur ,chief office Hamirpur ,Distt court hamirpur, under ESD Hamirpur H.P

S.No.	Description of Items	Quantity	Rate in figs.	In Words	Unit	Amount
1	Supplying and erection of following depth shee metal cubical pedestal of suitable dimensions with plus-minus 5 cm variation made from (50 mm x 50 mm x 6 mm thick) M.S angle iron frame, covered with 1.6 mm thick M.S. sheet duly welded on five sides & front side hinged, complete with locking arrangement with sufficient No. vertical and horizontal intermediate switchgear supporting members each of M.S. flat 50mmx6mm thick of suitable length duly welded. The cubical pedestal shall have cable entry box at one or two sides and 4 No. legs of 50mmx50mmx6mm thick M.S. angle iron each 60 cm long including powder coated painting and tonding 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. Removable gland plate and lugs should be provided with each cable entry and also cable support arrangement to be provided inside cable alley so that cables are neatly arranged. 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 IEC-61439 (Part I & II)(Make EVA Power system & control/KSB conforming to IS specifications mentioned etc)	3.0	17766	Rupees Seventeen thousand Seven Hundred Sixty Six only.	sq/mtr	53298
1.01	300 Deep					

2	Supplying and fixing of following rating and breaking capacity with thermal magnet in release complete with connection ,testing and commissioning etc as required. Make:- L&T, Legrand, Hager, ABB or its equivalent as approved by Engineer-in -charge.					0
2.01	100-125 Amp-25 KA	3	9896	Rupees Nine thousand eight hundred ninety six only.	each	29688
2.02	125-160 Amp-25 KA	2	15597	Rupees fifteen thousand five hundred ninety seven only.	each	31194
2.03	200-250 Amp-25 KA	1	21143	Rupees Twenty one thousand one hundred forty three only.	each	21143
3	Supplying and fixing following capacity HRC fuse with complete in all respect Make Havells.L&T ,hager or equivalent approved by Engineer-in-charge					0
3.01	32 amp	5	147	Rupees One hundred forty seven only.	each	735
3.02	63 amp	10	375	Rupees three hundred seventy five only.	each	3750
3.03	100 amp	10	430	Rupees four hundred thirty only.	each	4300
3.04	160 amp	5	540	Rupees Five hundred forty only.	each	2700
3.05	200 amp	5	713	Rupees Seven Hundred and Thirteen only.	each	3565
3.06	315/320 amp	5	1006	Rupees One Thousand and Six only.	each	5030
4	Supplying and fixing copper strip bus-bars suitable for 200 Amp. 415 volts capacity 4 No. each of cross-sectional area (25.4mmx4.75mm).in the existing enclosure with all accessories including connections etc. as required:-	1	8387	Rupees Eight Thousand Three hundred Eighty Seven only.	p/mtr	8387
5	Supplying and fixing copper strip bus-bars suitable for 300 Amp. 415 volts capacity 4 No. each of cross-sectional area (25.4mmx4.75mm).in the existing enclosure with all accessories including connections etc. as required:-	1.2	12499	Rupees Twelve Thousand Four hundred ninety nine only.	p/mtr	14998.8

6	S/F indicator set RY&B with 3 Nos Kit kat (LLD type) to shown the three indicating in the existing pannel complete etc as required. Make L&T, Legrand ABB or its equivalent as per best satisfaction of Engineer-in -charge.	5	1009	Rupees One Thousand Nine only.	each	5045
7	Supplying and fixing 4 pole MCCB Enclosure for 63 to 125 amp with all accessories including connections, as required	3	4346	Rupees Four Thousand three hundred forty six only.	each	13038
8	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.	40	266	Rupees Two hundred sixty six only.	each	10640
9	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	1201	Rupees one thousand two hundred one only.	each	7206
10	Supplying and fixing 63 amps rating, 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of four poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.	2	2251	Rupees two thousand two hundred fifty one only.	each	4502
11	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.	3	3638	Rupees Three Thousand six hundred thirty eight only.	each	10914
12	Supplying and fixing of ammeter inbuilt selector switch CT/PT site programmable accuracy class 1.0:0.5 complete with connection testing and commissioning etc Make L&T, Legrand, Hager, ABB or its equivalent as per best satisfaction of Engineer-in -charge.	3	1424	Rupees One thousand four hundred twenty four only.	each	4272

13	Supplying and fixing of voltmeter inbuilt selector switch CT/PT site programmable accuracy class 1.0:0.5 complete with connection testing and commissioning etc as required. Make L&T, Legrand, Hager, ABB or its equivalent as per best satisfaction of Engineer-in-charge.	3	1424	Rupees One thousand four hundred twenty four only.	each	4272
14	Providing & Laying of one number aluminium conductor, PVC insulated and PVC sheathed armoured/ XLPE power cable, 1.1 KV grade of following sizes on wall surface as required. Make:-KEI, POLYCYAB, PLAZA or its equivalent is approved by Er-in-charge					0
14.01	70sqmm (3.5core)	10	1022	Rupees One thousand twenty two only.	meter	10220
14.02	185 sqmm (3.5core)	10	1233	Rupees one thousand two hundred thirty three only.	meter	12330
15	Wiring for circuit/submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed Heavy class PVC Conduit having FRLS and wall thickness minimum 2.0 mm as required. Make:-Plaza, KEI, Finolex or its equivalent as approved by Er-In-Charge					0
15.01	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	10	666	Rupees Six hundred sixty six only.	Meter	6660
15.02	4 X 16 sq. mm + 2 X 6 sq. mm earth wire	10	1670	Rupees One Thousand Six hundred seventy only.	Meter	16700
16	Supplying and making of following capacity end termination with brass compression gland and aluminium lugs for following size of pvc insulated and PVC sheathed /XLPE aluminium conductor cable of 1.1 KV grade as required					0
16.01	3.5 core x 70sqmm	4	610	Rupees Six hundred ten only.	each	2440
16.02	3.5 core x 185sqmm	4	1213	Rupees One thousand two hundred thirteen only.	each	4852

17	Supplying and fixing of following sizes of Heavy class FRLS PVC Conduit having wall thickness minimum 2.0 mm along with accessories in surface/recess including cutting the wall and making good as required. Diplast/BEC/Polyfit or its equivalent as approved by Engineer-in-Charge					0
17.01	25 mm	20	112	Rupees One hundred Twelve only.	Meter	2240
18	Providing and fixing 200 AMP, four pole, 415 volts, On-Load change over switch in cubical panel front handle operation, including drilling holes in the cubical, making connections, etc. as required. Make:- L&T, Legrand, Hager, or its equivalent as approved by Engineer-in-Charge.	1	12421	Rupees Twelve thousand four hundred twenty one only.	each	12421
19	Supplying and fixing of cable end box CEB-TPN Double Door, 8 way in CRCA steel RAL 9003 powder coated can be either fitted at top or bottom of distribution board. Make:- L&T (cat No DBTPN008CB) Havell/schneider or its equivalent as approved by Engineer-in-Charge.	2	1776	Rupees One thousand seven hundred seventy six only.	each	3552
Total						310093


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

DRAFT SCHEDULE OF QUANTITY

		Job No.13	
		Estimated cost:- Rs.52,848/-	
		Earnest money:- Rs. 1,100/-	
		Time Limit:- One year.	

Name of work :-C/O Residential accommodation Type IV 3 Nos quarter and Type III quarter 6 Nos for officers/staff of Distt Attorney at Hamirpur (HP)(SH1:- C/O TypeIII Qtrs 6 Nos)(SH2:- PITC Geysers therein)

Sr.No.	Description	Qty.	Rate in fig.	In Words	Unit	Amount
1	Providing and installation of 6 litre capacity stationary storage type Electric water heater (Geyser)of various sizes by means of expansion-bolts with nuts and washers, includingembedding of expansion-bolts in the wall, making good the damages, electricalconnections, testing etc. complete as required:-Make:-Usha(Model Mist blue hibiscus 6 litre),Bajaj,Recold or its equivalent as approved by En-in-charge warranty on product 2 year, heating element 3 year, tank 7 year	6	8808	Rupees Eight thousand eight hundred eight only.	each	52848
	TOTAL					52848

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

DRAFT SCHEDULE OF QUANTITY				Job No. 14	
				Estimated cost:- Rs.1,76,916/-	
				Earnest money:- Rs. 3500/-	
				Time Limit:- One year.	
Name of work- Providing lights points ,power points and shifting of UPS in CMO office Hamirpur Distt Hamirpur HP.					
Sr.No.	Description of Items	Qty.	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 PVC conduit medium class 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.	10	1049	Rupees One Thousand forty nine only.	10490
2	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.				0
	5/6 amps switch	15	33	Rupees Thirty three only.	495
	3 pin 5/6 amp socket outlet	3	62	Rupees Sixty Two only.	186
3	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 FRI.Sont including providing and fixing 6 pin 5/6 & 15/16 amps socket outlet and 15/16 amps piano type switch, connection. painting etc. as required.	3	292	Rupees Two hundred Ninety Two only.	876
4	Supplying and fixing Five speed Somet type electronic fan regulator on the existing phenolic laminated sheet including connections but excluding phenolic laminated etc. as required.	3	355	Rupees Three hundred fifty five only.	1065

5	Supplying and fixing Computer board comprising metal box 200 mm x 150 mm x 75 mm for 3 nos 5 amp piano type switches and 3 Nos 5 amp sockets comprising 3 mm thick phenolic laminated sheet cover for metal box, including connections etc as required.	6	478	Rupees Four hundred Seventy eight only.	each	2868
6	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required					0
6.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	60	202	Rupees Two hundred Two only.	mtr	12120
6.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	150	345	Rupees three hundred forty five only.	mtr	51750
6.3	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	100	605	Rupees Six hundred five only.	mtr	60500
7	Supplying and fixing surface round type LED 10 watt, with clear glass cover with die cast aluminium housing 6000k, (Five YEAR WARRANTY) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion < 10% and efficacy > 100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- Jaquar/Philips, wipro or its equivalent as approved by Engineer-in-Charge	5	927	Rupees Nine hundred twenty seven only.		4635
8	Supplying and fixing surface round type LED 15 watt, with clear glass cover with die cast aluminium housing 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:- WIPRO (Model -LD-81-131-XX-60-SM)/Philips, Panasonic, Jaquar or its equivalent as approved by Engineer-in-Charge	6	1556	Rupees One thousand five hundred thirty six only.	each	9216

8	Supplying and fixing of 4 pole MCCB 250 Amp Ics = 100% ieu, 36 KA & @ 415 volts, 50 Hz with thermal magnet release, set of 1 no spreader link complete with connection ,testing and commissioning etc as required. Make:- L&T Cat. No. (CM98403OOROOG), Legrand, Hager, ABB or its equivalent as approved by Engineer-in-charge.					0
9	Supplying and fixing Aluminium batten LED 36 watt, 6000k, with clear glass cover with die cast aluminium housing (Five YEAR WARRANTY) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion<10% and efficiency > 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 -PBTM08367)/Philips,Panasonic or its equivalent as approved by Engineer-in-Charge	8	1111		Rupees One thousand one hundred eleven only.	8888
10	2.3 MCB distributor board. 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator					0
	12 way, Double door	1	2434		Rupees Two thousand four hundred thirty four only.	2434
11	2.6 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.	8	266		Rupees Two hundred sixty six only.	2128
12	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:-	1	1201		Rupees One thousand Two hundred one only.	1201

13	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volt, residual current circuit breaker (RCCB), having a sensitivity / current 30 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.					0
	63 amp, double pole, (single phase and neutral)	1		3688	Rupees Three thousand six hundred eighty eight only.	EACH 3688
14	Supplying and fixing 4 pole MCCB Enclosure with all accessories including connections, 250/DN1, as required make L&T	1		4376	Rupees Four thousand three hundred seventy six only.	EACH 4376
	TOTAL					176916

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

DRAFT SCHEDULE OF QUANTITY				Job No. 15	
				Estimated cost:- Rs. 3,35,944/-	
				Earnest money:- Rs. 6,800/-	
				Time Limit:- Six Months.	
Name of work :- Providing /Replacement of E.I in various Govt Residenceal Building Under ESD Bilaspur in Distt Bilaspur (H.P)					
S.No.	Description of Items	Qty.	Rate in fig.	In Words	Unit Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed 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				
	Group-C	54	1368	Rupees One Thousand three hundred sixty eight only.	each 73872
2	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.FRLS PVC insulated copper conductor single core cable etc as required	1	1548	Rupees One thousand five hundred forty eight only.	each 1548
3	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.	12	588	Rupees five hundred eighty eight only.	each 7056
4	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.	12	786	Rupees Seven hundred eighty six only.	each 9432

5	Supplying and fixing following rating; Modular switch /socket/Bell Push on the existing switch box / cover including connections etc. as required. (Make:- Legrand(Myrius), L&T(entice), Anchor(Roma Plus).						0
5.1	5 amp switch	15	106	Rupees one hundred six only.	each	1590	
5.2	5amp Socket	15	138	Rupees one hundred thirty eight only.	each	2070	
5.3	Bell Push Modular	5	191	Rupees one hundred ninety one only.	each	955	
6	Supplying and fixing Computer board comprising 3 nos 5 amp modular switches & Sockets , G.I box 2 module for jack box and G.I Box 12 module for 5 amp switches and 5 amp sockets comprising sheet cover for each 2 module metal box , one no computer jack (RJ-45)with shutter including connections etc as required.	1	1480	Rupees one thousand four hundred eighty only.	each	1480	
7	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HFRLS/PVC insulated single core copper conductor cable of same size for earthing as required. Make:- Finolex, KEL, Anchor, Plaza is approved by Engineer-in-charge .					0	
7.1	2x1.5 Sq. mm + 1X1.5 sq.mm	90	230	Rupees Two hundred thirty only.	P/Mtr	20700	
7.2	2x4 Sq. mm + 1X4 sq.mm	50	370	Rupees Three hundred seventy only.	P/Mtr	18500	
7.3	4x4 Sq. mm.+ 2X4 sq.mm	40	610	Rupees Six hundred ten only.	P/Mtr	24400	
7.4	2x6Sq. mm.+ 1X6 sq.mm	20	480	Rupees Four hundred eighty only.	P/Mtr	9600	

8	Supplying and fixing of fancy wall Double 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 Trend5), wipro,jaquar or equivalent make	6	2285	Rupees Two thousand two hundred eighty five only.	each	13710
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 Grace1), wipro,Philips or equivalent make	6	1406	Rupees One thousand four hundred six only.	each	8436
10	Supplying and Fixing LED Battan 36 watt High quality aluminium extruded with decorative end caps of superior quality (Wipro Make) as per item code LL22-11-XXX-65-G1 as required. Complete in all respect and as approved by the Engineer-in -Charge.Make-Wipro,Jaqua : Philips or its equivalent.	12	1824	Rupees One thousand eight hundred twenty four only.	each	21888
11	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 Panasonic, wipro,Philips or its equivalent as approved by Engineer-in -charge.(Five year warranty)	5	4923	Rupees Four thousand nine hundred twenty three only.	each	24615
12	Supplying and fixing bakelite batten/angle holder including connections etc. as required:-	19	98	Rupees Ninety eight only.	each	1862

13	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:- Jsha(TECHNIX PLUS) Bajaj, Crompton or its equivalent as approved by Engineer-in-charge.					0
13.1	Ceiling Fan 1200 mm sweep	4	4061	Rupees four thousand sixty one or ly.	each	16244
14	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	695	Rupees Six thousand ninety five or ly.	each	4170
15	Supplying and fixing LED panel fitting, ultra sleek surface mounted slim Round panel 15 watts made from extruded aluminium housing, Aesthetically designed flat panel for surface mounting which provides soft-light and glare free symmetrical illumination complete with connections etc. as required. Make:- Wipro, Jaquar, Philips, K-lite or its equivalent or as approved by Engineer in charge.					0
15.1	15W	12	1574	Rupees One thousand five hundred seventy four only.	each	18888
16	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required:-	4	260	Rupees two hundred sixty only.	each	1040

17	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.	20	296			0
17.1	Single pole				Rupees Two hundred ninety six only.	5920
18	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.	4	1397		Rupees one thousand three hundred ninety seven only.	5588
19	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					0
19.1	MCB DB 6 WAY	3	2226		Rupees Two thousand two hundred twenty six only.	6678
19.2	MCB DB 12 WAY	1	2802		Rupees Two thousand eight hundred two only.	2802
20	SITC of I-Cruze Connected V1 6000+/72V INVERTER of Luminous make including making connections etc as required complete in all respect.	1	11500		Rupees Eleven thousand five hundred only.	11500
21	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	1	18900		Rupees eighteen thousand nine hundred only.	18900

22	Providing and fixing stand for housing battery and UPS as required complete in all respect.	1	2500	Rupees two thousand five hundred only.	Each	2500
	TOTAL					335944


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

DRAFT SCHEDULE OF QUANTITY

DRAFT SCHEDULE OF QUANTITY				Job No. 16		
				Estimated cost:- Rs 2,46,836/-		
				Earnest money:- Rs. 5,000 /-		
				Time Limit:- Three months.		
Name of work :- Replacement of E.I in the Office of HPPWD Sub Division (B&R) Beri Bilaspur in Distt Bilaspur (H.P)						
S.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 (HFR) 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. HFR/LSPVC insulated single core copper conductor cable as required					
	Group-C	48	1368	Rupees One thousand three hundred Sixty eight only.	each	65664
3	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	588	Rupees Five Hundred Eighty Eight only.	each	5880
4	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.	15	786	Rupees Seven Hundred Eighty Six only.	each	11790
5	Supplying and fixing Computer board comprising 3 nos 5 amp modular switches & Sockets . G.I box 2 module for jack box and G.I Box 12 module for 5 amp switches and 5 amp sockets comprising sheet cover for each 2 module metal box , one no computer jack (RJ-45)with shutter including connections etc as required.	6	1480	Rupees One thousand Four hundred eighty only.	each	8880
6	Supplying and fixing following rating Modular switch /socket/Bell Push on the existing switch box / cover including connections etc. as required. (Make:- Legrand/Morris), L&T (entice), Anchor (Roma Plus).					0

6.1	S.P. 5/ 6 Amps one way Modular switch.	4	106	Rupees One hundred six only.	each	424
6.2	5 pin, 5/ 6 Amps Modular socket outlet.	4	138	Rupees One hundred thirty eight only.	each	552
6.3	Bell Push Modular	6	191	Rupees One hundred ninety one only.	each	1146
7	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, KEL, Anchor, Plaza as approved by Engineer-in-charge.					0
7.1	2x1.5 Sq. mm + 1X1.5 sq.mm	60	230	Rupees Two hundred thirty only.	P/Mtr	13800
7.2	2x4 Sq. mm + 1X4 sq.mm	70	370	Rupees Three hundred Seventy only.	P/Mtr	25900
7.3	4x4 Sq. mm.+ 2X4 sq.mm	40	610	Rupees Six hundred ten only.	P/Mtr	24400
7.4	2x10Sq. mm.+ 1X6 sq.mm	3	685	Rupees Six hundred eighty five only.	P/Mtr	2055
8	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-S11-XXX-65-G1 as required. Complete in all respect and as approved by the Engineer-in-charge.Make-Wipro,Jaquar,Philips or its equivalent.	13	1824	Rupees One thousand eight hundred twenty four only.	each	23712
9	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-65N (3), or its equivalent or as approved by Engineer in charge.	1	662	Rupees Six hundred sixty two only.	each	662

10	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)	3	4923	Rupees Four thousand nine hundred twenty three only.	each	14769
11	Supplying and fixing bakelite batten/angle holder including connections etc. as required:-	13	98	Rupees Ninety eight only.	each	1274
12	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 1 star rating: Make:- Usha(TECHNIX PLUS)Bajaj,Crompton or its equivalent as approved by Engineer-in -charge.					0
12.1	Ceiling Fan 1200 mm sweep	1	4061	Rupees Four thousand Sixty one only.	each	4061
13	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.	8	695	Rupees Six hundred ninety five only.	each	5560
14	Providing and installation exhaust fan of 300mm (Plastic body) size in the existing opening,including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: Make:- Usha,Bajaj,Crompton or its equivalent as approved by Engineer-in-charge	3	2633	Rupees Two thousand six hundred thirty three only.	each	7899

15	Supplying and fixing of following watts surface Recess 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)						0
15.1	18W	4	1849		Rupees one thousand eight hundred forty nine only.	each	7396
16	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase. 230 volts complete as required:-	4	260		Rupees Two hundred sixty only.	each	1040
17	Supplying and fixing 5 amps to 32 amps , 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. (Make L&T, Hager, ABB or its equivalent as per best satisfaction of Engineer-in-charge.						0
17.1	Single pole	20	296		Rupees Two hundred Ninety six only.	each	5920
18	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.	2	1397		Rupees One thousand three hundred ninety seven only.	each	2794
19	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 140 V, on surface/recess, complete with tinned copper bus bar, neutral busbar, earth bar, dim bar, interconnections, powder painted including earthing etc. as required. (Eut without MCB RCCB Isolator). Make L&T, Legrand, Hager or its equivalent as approved by Engineer-In Charge						0
19.1	MCB DB 8 WAY	1	2361		Rupees Two thousand three hundred sixty one only.	each	2361

19.3	MCBDB 16 WAY	1	3502	Rupees three thousand five hundred two only.	each	3502
20	Supplying and fixing of following sizes of PVC conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.	30	118	Rupees One hundred eight teen only.	P/mtr	3540
21	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.	35	53	Rupees Fifty three only.	P/mtr	1855
	TOTAL					246836

The Credit of dismantle material Rs. 800/- only will be detected from the Contractor bill.


 The Executive Engineer,
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DRAFT SCHEDULE OF QUANTITY				Job No.17		
				Estimated cost:-	Rs. 2,50,541/-	
				Earnest money:-	Rs. 5,500/-	
				Time Limit:-	Three Months.	
Name of work :- Replacement of E.I in the Old Building of Session court at Bilaspur in Distt Bilaspur (H.P)						
S.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. HRFRS/PVC insulated single core copper conductor cable as required					
	Group-C	35	1368	Rupees One Thousand Three Hundred Sixty Eight only.	each	47880
2	1.10 Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.FRLS PVC insulated copper conductor single core cable etc as required	1	1548	Rupees One Thousand Five Hundred Forty Eight only.	each	1548
3	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.	11	588	Rupees Five Hundred Eighty Eight only.	each	6468
4	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.	12	786	Rupees Seven hundred Eighty Six only.	each	9432

5	Supplying and fixing Computer board comprising 3 nos 5 amp modular switches & Sockets , G.I box 2 module for jack box and G.I Box 12 module for 5 amp switches and 5 amp sockets comprising sheet cover for each 2 module metal box , one no computer jack (RJ-45) with shutter including connections etc as required.	12	1480	Rupees One thousand Four hundred Eighty only.	each	17760
6	Supplying and fixing following rating Modular switch /socket/Bell Push on the existing switch box / cover including connections etc. as required. (Make:-Legrand(Myrius),L&T(entice),Anchor(Roma Plus).					0
6.1	Bell Push Modular	3	191	Rupees One hundred Ninety one only.	each	573
7	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HFR/LPVC insulated single core copper conductor cable of same size for earthing as required. Make:- Finolex, KEL, Anchor, Plaza as approved by Engineer - n -charge .					0
7.1	2x1.5 Sq. mm + 1X1.5 sq.mm	95	230	Rupees Two Hundred Thirty only.	P/Mtr	21850
7.2	2x4 Sq. mm + 1X4 sq.mm	55	370	Rupees Three hundred Seventy only.	P/Mtr	20350
7.3	4x4 Sq. mm. + 2X4 sq.mm	40	610	Rupees Six hundred Ten only.	P/Mtr	24400
7.4	2x10Sq. mm.+ 1X6 sq.mm	20	681	Rupees Six hundred Eighty one only.	P/Mtr	13620
8	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.	15	1824	Rupees One thousand eight hundred twenty four only.	each	27360
9	Supplying and fixing bakelite batten/angle holder including connections etc. as required:-	6	98	Rupees Ninety Eight only.	each	588

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.					0
10.1	Ceiling Fan 1200 mm sweep	3	4061	Rupees Four Thousand Sixty one only.	each	12183
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 (Entrice), Legrand (Myrius) or its equivalent as approved by Engineer-in-charge.	8	695	Rupees Six hundred Ninety five only.	each	5560
12	Providing and installation exhaust fan of 300mm (Plastic body) size in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: Make:- Usha, Bajaj, Crompton or its equivalent as approved by Engineer-in-charge	3	3135	Rupees Three Thousand One hundred thirty five only.	each	9405
13	Supplying and fixing of following watts surface/F recess round type LED downlight, 6000k, and it should be compatible with specification e.i. Power Factor > .9, Harmonic Distortion < 10% and efficacy > 100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz complete with all accessories, connections, testing and commissioning etc. Make Panasonic, Wipro Philips or its equivalent as approved by Engineer-in-charge. (Five year warranty)					0
13.1	15W	4	1574	Rupees One thousand five hundred seventy four only.	each	6296

14	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required:-	2	260	Rupees Two Hundred Sixty only.	each	520
15	Supplying and fixing 5 amps to 32 amps, 240 415 volts; 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.) Make L&T, Hager, ABB or its equivalent as per best satisfaction of Engineer-in-charge.					0
15.1	Single pole	21	296	Rupees Two hundred Ninety Six only.	each	6216
16	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.	2	1397	Rupees One thousand three hundred ninety seven only.	each	2794
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, Legrand, Hager or its equivalent as approved by Engineer-In-Charge					0
17.1	MCBDB 12 WAY	1	2802	Rupees two thousand eight hundred two only.	each	2802
17.2	MCBDB 16 WAY	1	3502	Rupees Three thousand five hundred two only.	each	3502
18	Supplying and fixing of following sizes of PVC conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.	53	118	Rupees One hundred Eighteen only.	P/mtr	6254

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.	60	53	Rupees Fifty three only.	P/mtr	3180
TOTAL						250541

The Credit of dismantling material Rs. 500/- only will be deducted from the Contractor bill.


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

4	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.	28	786	Rupees Seven hundred eighty six only.	each	22008
5	Supplying and fixing following rating Modular switch /socket/Bell Push on the existing switch box / cover including connections etc. as required. (Make: Legrand(Myrius),L&T(entice),Anchor(Roma Plus).					0
5.1	Bell Push Modular	10	191	Rupees One hundred ninety one only.	each	1910
6	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HRRFLS/PVC insulated single core copper conductor cable of same size for earthing as required. Make:- Finolex, KEL, Anchor, Plaza as approved by Engineer-in-charge.					0
6.1	2x1.5 Sq. mm + 1X1.5 sq.mm	142	230	Rupees Two hundred thirty only.	P/Mtr	32660
6.2	2x4 Sq. mm + 1X4 sq.mm	95	370	Rupees Three hundred seventy only.	P/Mtr	35150
75	4x4 Sq. mm.+ 2X4 sq.mm	70	610	Rupees Six hundred ten only.	P/Mtr	42700
6.4	2x10Sq. mm.+ 1X6 sq.mm	65.5	685	Rupees Six hundred eighty five only.	P/Mtr	44868
7	Supplying and Fixing LED Batten 30 watt High quality aluminium extruded with decorative end caps of superior quality (Wipro Make) as per item code LL22-511-XXX-65-GI as required. Complete in all respect and as approved by the Engineer-in -Charge.Make-Wipro,Jaquar,Philips or its equivalent.	2	1824	Rupees One thousand eight hundred twenty four only.	each	3648

8	Supplying and fixing of LED 3 Watt fancy Bedside light of white colour with metal & synthetic material, complete with all accessories including making connections, testing etc. as required.:Make Jaquar,wipro,Philips or equivalent make	2	4579	Rupees Four thousand five hundred seventy nine only.	each	9158
9	Supplying and fixing of fancy wall Double 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 Jaquar (ModelJNL-NKL-WLBPGG002E27),wipro,phillips or equivalent make	1	3780	Rupees Three thousand seven hundred eighty only.	each	3780
10	Supplying and fixing bakelite batten/angle holder including connections etc. as required:-	8	98	Rupees Ninety eight only.	each	784
11	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.					0
11.1	Ceiling Fan 1200 mm sweep	1	4061	Rupees Four thousand sixty one only.	each	4061
12	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate : witch 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.	11	695	Rupees six hundred ninety five only.	each	7645

13	Supplying and Fixing LED 4watt (Mirror Light) High quality Conical opal glass of superior quality (Jaquar Make) as per item code JNL-BRG-WICONESIE14 as required. Complete in all respect and as approved by the Engineer-in -Charge. Make- Jaquar Wipro., Philips or its equivalent.	3	1751	Rupees One thousand seven hundred fifty one only.	each	5253
14	Supplying and fixing LED panel fitting, ult a sleek surface mounted slim Round panel 15 watts made from extruded aluminium housing .Aesthetically designed flat panel for surface mounting which provides soft-light and glare free symmetrical illumination complete with connections etc as required. Make- Wipro, Jaquar, Philips, K-Lite or its equivalent or as approved by Engineer in charge.					0
14.1	15W	45	1574	Rupees One thousand five hundred seventy four only.	each	70830
15	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
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.					0
16.1	Single pole	35	296	Rupees Two hundred Ninety Six only.	each	10360
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.	4	1397	Rupees One thousand three hundred ninety seven only.	each	5588

18	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. (B it without MCB/RCCB/Isolator). Make L&T, Legrand, Hager or its equivalent as approved by Engineer-In-Charge					0
18.1	MCBDB 6 WAY	1	2226	Rupees Two thousand two hundred twenty six only.	each	2226
18.3	MCBDB 12 WAY	3	2806	Rupees Two thousand eight hundred six only.	each	8418
19	Supplying and Fixing LED Indoor strip Light in superior quality (Jaquar Make) as per item code LSTP03X005XC as required. Complete in all respect and as approved by the Engineer-in -Charge. Make-Jaquar Wipro., Philips or its equivalent.	45	268	Rupees Two hundred sixty eight only.	P/Mtr	12060
TOTAL						495283

The Credit of dismantle material Rs. 2000/- only will be detected from the Contractor bill.


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

DRAFT SCHEDULE OF QUANTITY				Job No. 19		
				Estimated cost:- Rs.1,38,182/-		
				Earnest money:- Rs. 2,800/-		
				Time Limit:- One year.		
Name of Work:- R/M of damaged accessories, E.I in various NR Buildings i.e. Judicial Court complex, Distt. Attorney of ice, Rest house Bohni & Hamirpur un der ESD Hamirpur Distt Hamirpur HP.						
Sr.No.	Description of Items	Quantity	Rate in fig.	In Words	Unit	Amount
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed heavy PVC conduit medium class 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.	3	1186	Rupees One thousand One Hundred Eighty Six only.	each	3558
2	Providing, Installation, testing and commissioning of ceiling fan with socket type regulator, including wiring the down rods of standard length (up to 45 cm) with 16/0.2.0 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required. Make:- Usha (TECHNIX PLUS 3 star), Bajaj, Crompton or its equivalent as approved by Er-in-charge(warranty five year).	3	3423	Rupees Three Thousand Four Hundred Twenty three only.	each	10269
3	Supplying and fixing of D-Hook for 1200 mm ceiling fan	3	300	Rupees Three hundred only.	each	900

4	Providing and installation exhaust fan of Following size(Plastic body) size in the existing opening including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: Make:- Usha,Bajaj,Crompton or its equivalent as approved by Engineer-in-charge(Five year warranty).					0
4.01	300mm sweep	8	2815	Rupees Two thousand eight hundred fifteen only.	each	22520
4.02	250mm	2	2160	Rupees Two thousand One hundred sixty only.	each	4320
5	Supplying and fixing surfacer Square type LED 24 watt, 6500k, (Five YEAR WARRANTY) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- Panasonic /Philips,Jaquar or its equivalent as approved by Engineer-in-Charge.	8	2677	Rupees Two Thousand six hundred seventy seven only.	each	21416
6	Supplying and fixing Aluminium batten LED 24 watt, 6000k, Five YEAR WARRANTY) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:-Jaquar (Cat No LGLZ01X024XC)/Philips,Panasonic or its equivalent as approved by Engineer-in-Charge.	11	632	Rupees Six hundred thirty two only.	each	6952

7	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:- Make:- Usha (Model 25 L SWH MISTY WITH KIT). Bajaj Recold or its equivalent as approved by Engineer-in-charge.	1	12610	Rupees Twelve thousand six hundred ten only.	each	12610
8	Supplying and fixing street light LED 70 watt with G.I bracket die cast Aluminium housing with frame and toughened glass, pipe mounting 5700k. (Five YEAR WARRANTY) and it should be compatible with specification e.i. Power Factor > .9, Harmonic Distortion < 10% and efficacy > 100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make - Havells (Model - ENDURAMNIPLUSSL170w)/Philips/wipro / Havells or its equivalent as approved by Engineer-in-Charge	3	7365	Rupees Seven thousand three hundred sixty five only.	each	22095
9	Supplying and fixing of LED panel driver 15/18 watt with connector including connections, testing and commissioning as required Make:- Havells (Cat no LSSLNW0170) , Philips, Jaquar, Panasonic , or its equivalent as approved by Engineer-in-charge	16	318	Rupees three hundred eighteen only.	each	5088
10	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.	3	486	Rupees Four hundred eighty six only.	each	1458

11	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.						0
11.0	S/D 3 X 1.5 sq mm	100	116	Rupees One hundred sixteen only.	mtr	11600	
12	Supplying and fixing Computer board comprising metal box 200 mmx150 mmx75 mm for 3 nos 5 amp piano type switches and 3 Nos 5 amp sockets comprising 3 mm thick phenolic laminated sheet cover for metal box, including connections etc as required.	2	478	Rupees Four hundred Seventy eight only.	EACH	956	
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 heavy class PVC conduit having wall thickness 2.0mm as required					0	
13.01	2 X 1.5 sq. mm. + 1 X 1.5 sq. mm earth wire	40	221	Rupees Two hundred twenty one only.	MTR	8840	
14	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 Er-In-Charge					0	
14.01	25 mm	50	112	Rupees One hundred twelve only.	mtr	5600	
	Total					138182	


 Executive Engineer,
 Electrical Division,

DRAFT SCHEDULE OF QUANTITY				Job No. 20		
				Estimated cost:- Rs.2,16,673/-		
				Earnest money:- Rs. 4,300/-		
				Time Limit:- One year.		
Name of Work:-R/M of damaged accessories , E.I in various Residential bldgs i.e. Pooled colony Type IV Qtr no 1 to 12 under ESD Hamirpur Distt Hamirpur HP.						
S.No.	Description of Items	Quantity	Rate	In Words	Unit	Amount
1	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 :-KEL, Plaza Finolex or its equivalent as approved by E.I-In-Charge					
1.01	S/D 3 X 1.5 sq. mm	90	116	Rupees One Hundred Sixteen only.	MTR	10440
1.02	S/D 3 X 4 sq. mm	50	232	Rupees Two Hundred Thirty Two only.	MTR	11600
1.03	S/D 2X 10 sq. mm	5	416	Rupees Four Hundred Sixteen Only.	MTR	2080
2	Supplying and fixing following piano type switch/ socket on the existing switch box but including phenolic laminated cover connections etc as required.					0
2.01	5/6 amps switch	50	48	Rupees Forty Eight only.	each	2400
2.02	15/16 A switch	12	130	Rupees One Hundred thirty only.	each	560
2.03	3 pin 5/6 A socket outlet	20	62	Rupees Sixty Two only.	each	240
2.04	6 pin 15/16 A socket outlet	20	140	Rupees One Hundred forty only.	each	2800
2.05	Bell push	5	70	Rupees Seventy only.	each	350

3	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in FRL.Sont including providing and fixing 3 pin 5/6 amps socket outlet and 5/6 amps piano type switch, connection, painting etc. as required.	1	208	Rupees Two Hundred Eight only.	each	20
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 FRL.Sont including providing and fixing 6 pin 5/6 & 15/16 amps socket outlet and 15/16 a nps piano type switch, connection, painting etc. as required.	1	292	Rupees Two Hundred Ninety Two only.	each	29
5	Supplying and fixing Ding Dong bellsuitable for single phase, 230 volts, complete as required.Make L&T ,Legrand, SCHNEIDER or its equivalent as approved by Er-In-Charge	1	297	Rupees Two Hundred Ninety Seven only.	each	29
6	Supplying and fixing batten/ angle holder including connection complete in all respect etc. as required.	12	78	Rupees Seventy Eight only.	each	93
7	Providing and installation of following type of LED retrofit Lamp B-22 holder base with polycarbonate diffuser and aluminium heat sink including connections, testing and commissioning etc. as required.:Make JAQUAR, wipro,Philips or its equivalent as approved by Engineer-in-Charge	1	167	Rupees One Hundred Sixty Seven only.	each	16
8	Supplying and fixing 5 a nps to 32 amps rating, 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of folk wing poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.Make L&T ,Legrand, SCHNEIDER or its equivalent as approved by Er-In-Charge(warranty five year)					0
8.04	Single pole	15	266	Rupees Two Hundred Sixty Six only.	each	390

9	Supplying and fixing of following rating, four pole, (single phase and neutral), 10 kA breaking capacity 240 volts, residual current Breaker with Overcurrent Protection (RCBO), having a sensitivity current 30 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.-Make L&T, Hager, ABB or its equivalent as approved by Engineer-in -charge. (warranty five year)					0
9.01	63 AMP	12	5140	Rupees Five thousand one hundred forty only.	each	61680
10	Providing and fixing of following type surface mounted Luminaire LED batten Watt ,having high Quality design aluminium extruded decorative end caps with five year warranty and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion > 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 Er-In-Charge warranty five year					0
10.01	10 watt	1	363	Rupees Three Hundred Sixty three only.	each	363
10.2	24 watt	1	640	Rupees Six hundred forty only.	each	640
11	Providing and installation exhaust fan of 300 mm (Light Duty) 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 , havells, bajaj or its equivalent as approved by Er-In-Charge	1	2160	Rupees Two thousand one hundred sixty only.	each	2160

12	Supplying and fixing exhaust fan louver shutter for 300 mm. exhaust fan on the existing wall, painting etc. as required.	1	650	Rupees Six hundred fifty only.	each	650
13	Supplying and fixing ceiling rose sheet on the existing junction box including round pvc sheet connections etc. as required.	5	38	Rupees Thirty Eight only.	each	190
14	Supplying and fixing PVC round sheet on the existing junction box including screw etc. as required.	5	20	Rupees Twenty only.	each	100
15	Providing and installation of stationary storage type Electric water heater (Geyser) of 10 liters capacity 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, Bajaj, Recold or approved by Engineer-in-charge, warranty five year	11	10230	Rupees Ten thousand two hundred thirty only.	each	112530
Total						216673


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

DRAFT SCHEDULE OF QUANTITY				Job No. 21	
				Estimated cost:- Rs. 1,06,007/-	
				Earnest money:- Rs. 2200/-	
				Time Limit:- Six Months.	
Name Of Work:-C/O State Vigilance and Anti Corruption Bureau Building at Bilaspur .H.P.(SH):- Providing E.I. Balance work there n.)					
S.No.	Description of Items	Qty.	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, nodular 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				
	Group-C	2	1368	Rupees One thousand three hundred sixty eight only.	each 2736
2	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required. Make:- Finolex, KEL. Anchor. Plaza as approved by Engineer -in - charge .				
2.1	2x1.5 Sq. mm + 1X1.5 sq.mm	10	230	Rupees Two Hundred thirty only.	P/Mtr 2300
3	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 nodular socket outlet and 5/6 amps modular switch. connections etc. as required.	1	588	Rupees Five hundred eighty eight only.	each 588

4	2.26 Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete is required: Make: Usha (MISTY 25 L), Crompton, Recold or its equivalent as approved by Er-in-charge	3	14745	Rupees Fourteen thousand seven hundred forty five only.	each	44235
5	2.26 Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete is required: Make: Usha (MISTY 6 L), Crompton, Recold or its equivalent as approved by Er-in-charge	2	10288	Rupees Ten thousand two hundred eighty eight only.	each	20576
6	Providing and Installation of Wall mounting fan of 400 mm sizes i/e ranging the same in position on the wall, connections, testing and commissioning etc. as required with best satisfaction of Engineer in charge : Make:- Usha (MIST AIR), Bajaj, Crompton or its equivalent as approved by Er-in-charge	4	4380	Rupees Four thousand three hundred eighty only.	each	17520
7	Providing and installation exhaust fan of 300mm (Metal body) size in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: Make:- Usha, Bajaj, Crompton or its equivalent as approved by Er-in-charge	2	2633	Rupees Two thousand six hundred thirty three only.	each	5266

8	Supplying and fixing Post top lantern LED fixture 20 watts made of die cast aluminium base and spun aluminium Top fitted with LED PT module. Power LEDs are mounted directly on inbuilt extruded input voltage AC 100-270.FREQUENCY 50-60HZ. Power factor 0.950, efficacy 100 Lum/W, CRI 80, THD 10% LIFE 50000 H. Colour temperature NW 4000K, or its equivalent make	2	6393	Rupees Six thousand three hundred ninety three only.	each	12786
TOTAL						
						106007


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

DRAFT SCHEDULE OF QUANTITY				Job No. 22		
					Estimated cost:- Rs. 79,560/-	
					Earnest money:- Rs. 1,600/-	
					Time Limit:- Six months.	
Name of Work:- Replacement of damaged accessories in various N.R. Govt. Buildings i.e. HPPWD Division Tauni Devi, Rest House Sujampur, Rest House House Patlander, NH Sub Division Sa nipur under ESD Hamirpur Distt. Hamirpur (H.P.)						
S. No	Description of Items	Quantity	Rate fig.	In words.	Unit	Amount
1	Rewiring 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 existing surface / recessed steel conduit, without piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Make :-Anchor (Roma classic), L&T (Entice), Legrand (Myrius) or its equivalent as approved by Engineer-in charge.	7.00	510	Rupees Five hundred ten only.	each	3570
2	Supplying and fixing with modular plate and cover in front on surface or in recess, including providing and fixing 4 nos 6 pin 5/6 amp modular socket outlet and 4 nos 5 /6 amp modular switch, connection etc. as required. Make :- Anchor (Roma classic), L&T (Entice), Legrand (Myrius) or its equivalent as approved by Engineer-In-Charge	5.00	1203	Rupees One thousand two hundred three only.	each	6015
3	Supplying and fixing with modular plate and cover on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amp 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	5.00	554	Rupees Five hundred fifty four only.	each	2770

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,inox or its equivalent as approved by Engineer-In-Charge.					0
4.1	3x1.5 sqmm	70.00	116	Rupees One hundred sixteen only.	each	8120
5	Supplying and fixing of LED panel driver 15/18 watt with connection including connection, testing and commissioning as required. Make:-Havell(Cat no- LSSLNWO1170),Philips,Jaquar,Panasonic or its equivalent as approved by Engineer-in-charge.	10.00	318	Rupees three hundred eighteen only.	each	3180
6	Supplying and fixing street light LED 60 watt 6500 k, IP 66 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(Five YEAR WARRANTY). Make - Wipro (Model - PSTM23607)/Philips/ Osram or its equivalent as approved by Engineer-in-Charge.	4.00	5215	Rupees Five thousand two hundred fifteen only.	each	20860

7	Supply and fixing of backlit non slim surface/recess led downlighter in 15 W +/- 1 W in Round Shape with with minimum system lumen efficacy of 100 lm/W and minimum system lumen 1800 lumen with Pressure Die cast Aluminium heat sink with and HET diffuser and polycarbonate mounting box P.F.>0.95 ,THD<10%, CCT 5700K/4000K, CRI:0, UGR<23,IP20 protection. The LED with Useful life of 50000 Hrs at L70.. The Input voltage range shall be 150V to 270V .Fixture have Surge Protection 3kV .Driver . complete with all accessories, connections, testing and commissioning etc.as required(five year warranty). Make:- Philips/Wipro/Osram/ Jaquar/panasonic or or its equivalent as approved by Engineer-in-Charge.(five year warranty)	5.00	1884	Rupees One thousand eight hundred eighty four only.	each	9420
8	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make :-L&T,Legrand,Hager , Schneider or its equivalent as approved by Engineer-in -charge..					0
8.1	40amp, double pole, (single phase and neutral)	4.00	2988	Rupees Two thousand nine hundred eighty eight only.	each	11952

9	Supplying and fixing Aluminium batten LED 20 watt, 6000k, with clear glass cover with die cast aluminium housing 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 -PBTMI8203)/Philips, Jaquar or its equivalent as approved by Engineer-in-Charge (Five YEAR WARRANTY)	6.00	458	Rupees Four hundred fifty eight only.	each	2748
10	Providing & Laying of one number aluminium conductor, PVC insulated and PVC sheathed armoured/ XLPE power cable, 1.1 KV grade of following sizes on wall surface as required. Make:- KEI, Havell, PLAZA or its equivalent as approved by Engineer-in-charge					0
10.1	Armoured cable 10 sq mm (twin core) As per Havell pricelist 01/2023	25.00	337	Rupees three hundred thirty seven only.	meter	8425
11	Reinstallation and installation of 3 meter to 5 meter high pole including making of muf.	1.00	2500	Rupees Two thousand five hundred only.	each	2500
	Total					79560


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

DRAFT SCHEDULE OF QUANTITY

Job No. 23

Estimated cost:- Rs. 3,31,360/-

Earnest money:- Rs. 7,000/-

Time Limit:- One year.

Name of work :-C/O S.D.M Residence at Nadaun Distt Hamirpur(HP)(SH1:- Providing E.I Therein)

S. No.	Description of Items	Quantity	Unit	Rate In Fig.	In Words.	Amount
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / heavy class PVC conduit having wall thickness minimum 2 mm, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq. mm. FRLS PVC insulated copper conductor single core cable etc as required.. Make :-Anchor (Roma classic),L&T(Entice),Legrand (Myrius) or its equivalent as approved by Engineer-In-Charge	40	each	1078	Rupees One thousand seventy eight only.	43120
I	Group B					
2	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / heavy class PVC conduit having wall thickness minimum 2 mm, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.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	8	each	1417	Rupees One thousand four hundred seventeen only.	11336
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 2.0mm as required .Make:-KEI,Finolux,polycab or its equivalent as approved by Engineer-In-Charge					0
i	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	90	Meter	213	Rupees Two hundred thirteen only.	19170

ii	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	95	Meter	349	Rupees three hundred forty nine only.	33155
iii	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	10	Meter	663	Rupees six hundred sixty three only	6630
iv	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	55	Meter	594	Rupees Five hundred ninety four only.	32670
4	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.Make: KEI, Finolex or its equivalent as approved by Engineer-In-Charge					0
i	3 x 1.5 sq. mm	40	Meter	108	Rupees One hundred eight only.	4320
ii	3 x 4 sq. mm	20	Meter	248	Rupees Two hundred forty eight only.	4960
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					0
i	5/6 amp Modular switch	8	each	87	Rupees Eighty seven only.	696
ii	5 pin 5/6 amp socket outlet	8	each	146	Rupees One hundred forty six only	1168
6	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as requiredMake :-Anchor (Roma classic), L&T(Entice), Legrand (Myrius) or its equivalent as approved by Engineer-In-Charge	8	each	38	Rupees thirty eight only.	304
7	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	6	each	486	Rupees Four hundred eighty six only.	2916

8	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 3 pin 5/6 amps modular socket outlets and 2 nos 5/6 amps modular switches, connection etc. as required.. Make :-Anchor (Roma classic),L&T(Entice), Legrand (Myrius) or its equivalent as approved by Engineer-In-Charge	2	each	771	Rupees Seven hundred seventy one only.	1542
9	Supplying and fixing suitable size GI box with modular plate and cover in FRLSont on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.Make :-Anchor (Roma classic),L&T(Entice), Legrand (Myrius) or its equivalent as approved by Engineer-In-Charge	13	each	645	Rupees Six hundred forty five only	8385
10	Supplying and fixing of following sizes of heavy class PVC conduit having wall thickness 2.0mm 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.Diplast/BEC/Polyfit.or its equivalent as approved by Engineer-In-Charge					0
i	25 mm	25	mtr	112	Rupees One hundred twelve only.	2800
11	Supplying and fixing call bell ding dong type 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	297	Rupees Two hundred ninety seven only.	297
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	3	each	2221	Rupees Two thousand two hundred twenty one only.	6663
13	Supplying and fixing exhaust fan louver shutter for 300 mm.exhaust fan on the existing wall,painting etc, as required,	3	each	650	Rupees Six hundred fifty only.	1950

14	Providing, Installation, testing and commissioning of ceiling fan with socket type regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required. Make:- Usha(TECHNIX PLUS), Bajaj, Crompton or its equivalent as approved by Engineer-in-charge					0
i	Ceiling Fan 1200 mm sweep	6	each	3447	Rupees three thousand four hundred forty seven only.	20682
15	Supplying and fixing of watts led lamp 6500 K E-27, 900 Lumens 240 volts AC supply 50 HZ in the existing batten holder, pendant holder, wall bracket & bulk head fitting etc, as required: Make : ,Panasonic Philips , jaquar or its equivalent as approved by Engineer-In-Charge(Five year warranty)					0
i	9 watt	6	each	167	Rupees One hundred sixty seven only.	1002
ii	26 watt	2	each	484	Rupees Four hundred eighty four only.	968
16	Supplying and fixing following type surface round type LED downlight, 6000k , and it should be compatible with specification e.i. Power Factor > .9, Harmonic Distortion < 10% and efficacy > 100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, with three year warranty complete with all accessories, connections, testing and commissioning etc. Make Panasonic, Wipro Philips or its equivalent as approved by Engineer-In-Charge(Five year warranty)					0
i	12W	17	each	910	Rupees Nine hundred ten only.	15470
17	Supplying and fixing of LED bulk head fitting with all accessories including making connections, testing etc. as required Make Panasonic, Wipro Philips or its equivalent as approved by Engineer-In-Charge(Five year warranty)	2	each	896	Rupees Eight hundred ninety six only.	1792

18	Supplying and fixing of fancy wall bracket of chrome finish colour with opal glass diffuser made of mild steel, with single holder containing thread type LED lamp holder(s) of all sizes and shapes, complete with all accessories but excluding led lamp including making connections, testing etc. as required.: Make Philips,Jaquar Tisva or its equivalent as approved by Engineer-In-Charge(Five year warranty)	4	each	1543	Rupees One thousand five hundred forty three only.	6172
19	Supplying and fixing of fancy wall Double 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,wipro,jaquar or equivalent make	1	Each	2206	Rupees Two thousand two hundred six only./	2206
20	Supplying and fixing of fancy Mirror/Dressing lights with double wall opal glass & base chrome finish complete with all accessories including making connections, testing etc. as required.:Make PHILIPS,wipro,jaquar or equivalent make	3	Each	5249	Rupees Five thousand two hundred forty nine only.	15747
21	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>100Lumens 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)					0
i	24 watt	6	each	640	Rupees Six hundred forty only.	3840
22	Supplying and fixing of LED 3 Watt fancy Bedside light of white colour with metal & synthetic material, complete with all accessories including making connections, testing etc. as required.:Make Jaquar,wipro,Philips or its equivalent as approved by Engineer-in -charge.(Five year warranty)	2	each	2302	Rupees Two thousand three hundred two only.	4604

23	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	6855	Rupees Six thousand eight hundred fifty five only.	6855
24	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	30	P/mtr	70	Rupees seventy only.,	2100
25	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.					0
i	MCB DB 12 WAY	1	each	2434	Rupees Two thousand four hundred thirty four only.	2434
ii	MCB DB 16 WAY	1	each	3021	Rupees Three thousand twenty one only.	3021
26	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.					0
i	Single pole	20	each	266	Rupees Two hundred sixty six only.	5320
27	Supplying and fixing following rating, four pole, (single phase and neutral), 10 ka, 240 volts, residual current circuit breaker with over current protection (RCBO), 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 per best satisfaction of Engineer-in -charge.					0
27	40 AMP	1	each	3977	Rupees three thousand nine hundred seventy seven only.	3977

27	63 AMP	1	each	5140	Rupees Five thousand one hundred forty only.	5140
28	Providing and installation of stationary storage type Electric water heater (Geyser) of following capacity various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:- Make:- Usha, Bajaj, Recold or its equivalent as per best satisfaction of Engineer-in-charge.					0
i	10 litre	1	each	10230	Rupees Ten thousand two hundred thirty only.	10230
ii	25 litre	2	each	12610	Rupees Twelve thousand six hundred ten only.	25220
29	Providing and fixing of Post Top Lantern (light House), E-27 base lamp holder of suitable size, excluding lamp complete with all accessories, connections, testing and commissioning etc. as required. Make :- Twinkle cat no LuxMax-PT-216-400, K-lite , panasonic or its equivalent as approved by Engineer-in-charge.	2	each	6249	Rupees Six thousand two hundred forty nine only	12498
	Total					331360

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

DRAFT SCHEDULE OF QUANTITY				Job No. 24		
				Estimated cost:- Rs. 4,99,869/-		
				Earnest money:- Rs. 10,000/-		
				Time Limit:- One year.		
NAME OF WORK :- C/O 6 No. Class Rooms at Govt. S.S.S. Pandoga, Tehsil Haroli, Distt. Una, (HP). (SH :- Providing E.L. the re in)						
S. No.	Description	Quantity	Rate In Fig.	In Words.	Unit	Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.. (Finolex, KEI, Anchor, &T make)	88	1741	Rupees One thousand seven hundred forty one only.	Each	153208
2	Wiring for twin control light point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with 2-way, 5/6 amps. modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required..(Finolex, KEI, Anchor, L&T make)					
3	Wiring for light plug with 2x1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.1.5 Sq.mm. HRFRLS PVC insulated single core copper conductor cable for earthing as required.(Finolex, KEI, Anchor, L&T make)	4	1747	Rupees One thousand seven hundred forty seven only.	Each	6988
4	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required.(Finolex, KEI, Anchor, &T make)	76	358	Rupees Three hundred fifty eight only.	P/mtr.	27208

i	2x1.5 Sq. mm.	134	358	Rupees Three hundred fifty eight only.	P/mtr.	47972
ii	2x6.0 Sq.mm	5	679	Rupees Six hundred seventy nine only.	P/Mtr.	3395
5	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required.(Finolex,KEI,Anchor,L&T make)	0				
i	3x1.5 Sq. mm.	112	105	Rupees One hundred five only.	P/mtr.	11760
ii	6x1.5 Sq. mm	48	204	Rupees Two hundred four only.	P/mtr.	9792
6	Supplying and fixing following rating Piano-type switch /socket on the existing switch box / cover including connections etc. as required.					
i	S.P. 5/ 6 Amps one way switch, piano type.	6	54	Rupees fifty four only.	Each	324
ii	5 pin 5/ 6 Amps socket outlet, porcelain base/ piano type.	6	77	Rupees Seventy seven only.	Each	462
7	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps, piano type switch, connections, painting etc. as required.	12	283	Rupees Two hundred eighty three only.	Each	3396
8	Supplying and fixing bakelite batten/angle holder including connections etc. as required:- (SSK,Anchor make)	16	103	Rupees One hundred three only.	Each	1648
9	Supplying and erection of 6 amps. to 32 amps. rating, 10 K.A breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:- (Legrand /Hager/ABB/L&T make)					
i	Single pole. Cat-A.	15	207	Rupees Two hundred seven only.	Each	3105
10	Supplying and erection of following rating , double pole 240 volts , isolator in the existing MCB D3 complete with connections etc. as required (Legrand /Hager/ABB/L&T make)					
i	63Amp Cat-A.	2	558	Rupees Five hundred fifty eight only.	Each	1116

11	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
i	40 Amps, Cat-A.	1	2434	Rupees Two thousand four hundred thirty four only.	Each	2434	
12	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:-						
i	Double Door 8 way.	1	1663	Rupees One thousand six hundred sixty three only.	Each	1663	
	Double door-16 way	1	2391	Rupees Two thousand three hundred ninety one only.	Each	2391	
13	Earthing with G.I earth pipe 4.5 mtr. long and 40mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required.	1	3531	Rupees three thousand five hundred thirty one only.	P/set	3531	
14	Extra for using salt and charcoal for pipe earth electrode complete as required.	1	1613	Rupees One thousand six hundred thirteen only.	P/set	1613	
15	Supplying and laying; 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	20	40	Rupees forty only.	P/mtr.	800	
16	Providing, Installation, testing and commissioning of ceiling fan without step type fan regulator modular, air delivery 215 m3 /min power input 30 watts speed 330 RPM, including wiring; the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required:- (Usha-Technix plus BLDC without remote Crompton Bajaj or its equivalent make)						
	(a) Ceiling Fan 1200 mm sweep, Category-A	24	4377	Rupees four thousand three hundred seventy seven only.	Each	105048	
17	Supplying and fixing; Fan box of M.S. sheet with iron rod hook 12 mm. in place of junction box complete as required.	24	85	Rupees Eighty five only.	Each	2040	

18	Supply and fixing of IP40 Led fixture 40 W with Surface Mounted 4 Feet with Polycarbonate diffuser with aluminium housing minimum lumen output 4000 lumens with P.F > 0.95 with THD < 10% CRI 80. Surge Protection 2 Kv with IP Protection of IP20. The LEDs with minimum life of 50000 burning hours. The LED shall be tested with LM80-08 standard with Useful life of 50000 Hrs at L70. The LEDs used in the luminaire shall have CCT of ANSI Bin 5700 K with CRI of minimum 80. LEDs used must be tested as per EN62471 for Photobiological Safety of humans. The Input voltage range shall be 150V to 270V. Driver Output voltage shall be less than SELV Limits for safe operation and maintenance. Wipro Cat. No LL24-541-XXX-57-XX or Equivalent in Philips : BN308C LED40S-6500 L120 PSU WH or Trilux:TRL-X F OTA 4000-857 ET	34	2829	Rupees Two thousand eight hundred twenty nine only.	Each	96186
19	Providing and fixing LED Street light 25 watts aluminium die cast housing ..AC 85-270 volts available color temperature 5700..CRI 80,IP rating 66, up to 10KVA electric surge protection complete with all bracket, accessories, connections, testing and commissioning etc.as required. (Wipro LR02-291-XXX-57-XX/Clair/Philips make)	2	4252	Rupees Four thousand two hundred fifty two only.	Each	8504
21	Supplying and fixing LED Lamp 9 watts 6500 K E-27, 900 Lumens 240 volts AC, supply 50 HZ in the existing batten holder, pendant holder, wall bracket & bulk head fitting etc, as required. (Tisva cat. No. AL946611X/Panasonic/Philips make)	15	196	Rupees One hundred ninety six only.	Each	2940
22	Wiring for sub main wiring with following sizes of weather proof twin core aluminium conductor cable on G.I.bearer wire etc.as required. 16 sq.mm. Twin core					
	Total:-	35	67	Rupees sixty seven only.	P/mtr.	2345
						499869


 Executive Engineer,
 Electrical Division,
 HP.PW.D., Una.

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Estimated cost:- Rs. 4,99,426/-

Earnbest money:- Rs. 10 000/-

Time Limit:- Six months./

Name of work :-C/O Mini Sectt.building at Una, Distt.Una (HP)(SH :-Balance work of light point there in)						
S.N	Description	Quantity	Rate In Fig.	In Words.	Unit	Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HFR/LSPVC insulated single core copper conductor cable as required.(Make :-Legrand (Myrtus)/L&T (Entice)/Anchor (Roma Plus) & wires :- (KEI/Anchor/L&T/Plaza make)					
a	Group C.	198	1983	Rupees One thousand nine hundred eighty three only.	Each	392634
2	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.(Make :-Legrand (Myrtus)/L&T (Entice)/Anchor (Roma Plus) & wires :- (KEI/Anchor/L&T/Plaza make)					
a	Group C.	5	2136	Rupees Two thousand one hundred thirty six only.	Each	10680
3	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required.(Make :-Legrand (Arteor)/Anchor Panassonic (Vision/L&T (Entice)	54	696	Rupees Six hundred ninety six only.	Each	37584
4	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required.(Make :-Legrand (Arteor)/Anchor Panassonic (Vision/L&T (Entice)	59	992	Rupees Nine hundred ninety two only.	Each	58528
	Total :-					499426

Executive Engineer,
Electrical Division
HPPWD, Una

DRAFT SCHEDULE OF QUANTITY					Job No. 26		
					Estimated cost:- Rs. 4,98,864/-		
					Earnest money:- Rs. 10,000/-		
					Time Limit:- Six months.		
Name of work :-/O Mini Sectt. building at Una, Distt. Una (HP)[SH :-Balance work of E.I. there in)							
S. No.	Description	Quantity	Rate In Fig.	In Words.	Unit	Amount	
1	S/F of Wall light double suitable for 220 to 240 volts single phase A.C. supply 50 HZ complete with connections etc, as required:- (Tisva make code No. BL2003 or its equivalent make)	4	4394	Rupees Four thousand three hundred ninety four only.	Each	17576	
2	Wiring for power plug with 2x4 Sq. mm. PVC insulated heat resistant flame retardant (HRRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No. 4 Sq. mm. HRRFR/PVC insulated single core copper conductor cable for earthing as required. (KEI/Anchor/L&T/Plaza make)	13	513	Rupees Five hundred thirteen only.	P/mtr.	6669	
3	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRRFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required (KEI/Anchor/L&T make)						
a	4x1.5 Sq. mm.	674	182	Rupees One hundred eighty two only.	P/mtr.	122668	
b	3x2.5 Sq. mm.	417	211	Rupees Two hundred eleven only.	P/mtr.	87987	
c	4x2.5 Sq. mm.	205	267	Rupees Two hundred sixty seven only.	P/mtr.	54735	
d	3x4.0 Sq. mm.	387	291	Rupees Two hundred ninety one only.	P/mtr.	112617	
e	6x4.0 Sq. mm.	129	538	Rupees Five hundred thirty eight only.	P/mtr.	69402	
f	3x16.0 Sq. mm.	17	1086	Rupees One thousand eighty six only.	P/mtr.	18462	
4	Supplying and fixing 32 Amps, 415 volts, TPN industrial socket outlet, 4-pole & earth, metal enclosed plug top, sheet steel enclosure, suitable to accommodate a 32 Amp TPN-MCB, on surface or in recess, with chained metal cover for the socket outlet, complete with connections, testing and commissioning etc. as required. (Make :-L&T/Legrand/Havells)	3	2916	Rupees Two thousand nine hundred sixteen only.	Each	8748	
Total :-						498864	
					Executive Engineer, Electrical Division,,		

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