



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/2022-23/- 2557-86

Dated:- 22/06/22

To,

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

Subject: - Regarding publication of tenders notice.

Sir,

“JAI HIND”

Enclosed please find herewith tenders notice for publication in **Giriraj/Tribune/Punjab Kesari/Hindustan Times Newspaper** as well as in the other reputed/ leading newspapers on or before **29.06.2022**, at the earliest under intimation to this office please.

DA:-As above.


Executive Engineer,
Electrical Division,
HPPWD, Una.

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

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


Executive Engineer,
Electrical Division,
HPPWD, Una



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Executive Engineer
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NOTICE INVITING TENDER

Sealed item rate tenders on PWD form No. 6 & 8 are invited/re-invited by the **Executive Engineer, Electrical Division, HPPWD Una** on behalf of the Governor of H.P. for the following works from approved and eligible Contractors enlisted with HPPWD (Electrical) in appropriate class/authorized dealers so as to reach in the office of undersigned on **04.07.2022** up to **10.30 A.M** and will be opened on the same day at **11.00 A.M.** in the presence of the intending contractors or their authorised representatives. The tender forms can be had from the office of the **Executive Engineer, Electrical Division, HPPWD, Una** against cash payment (Non Refundable) on dated **02-07-2022** during office hours i.e. **1:00 P.M. to 5:00 P.M.**. The application for obtaining the tender forms will be received on dated **02-07-2022** up to **1:00 PM**. The earnest money in the shape of fresh FDR/NSC, duly pledged in favour of the **undersigned** must be submitted with the application for issue of tender form. **The earnest money should be submitted separately for each work.**

The copy of **Valid enlistment** and renewal certificate alongwith GST No., Pan No., and EPF No. shall be attached with application form. The offer of the tender shall remain open **75 days** from the date of opening of the tenders. The undersigned reserves the right to reject/cancel the tenders without assigning any reason:-

Sr. No.	Name of work	Estimated Cost. (In Rs.)	Earnest Money (In Rs.)	Time limit	Cost of form (In Rs.)	Eligible Class of Contractor
1	C/o Sub Centre building at Chattarpur Thada, Distt. Una.(HP)(SH:- Providing E.I. therein)	1,83,508/-	3,700/-	One Year.	350/-	D
2	C/o Health Sub Centre Palkwah, at Karampur, Tehsil Haroli, Distt. Una. (HP). (SH :-Providing E.I. therein)	2,10,940/-	4,300/-	One Year.	350/-	D
3	C/O Sub Centre building at Sanoli, Distt. Una.(HP)(SH :-Providing E.I. therein)	1,83,508/-	3,700/-	One Year	350/-	D
4	Providing wiring in Rest House at IRB. Complex Bangarh, Distt. Una (HP)	3,51,305/-	7,000/-	Six Months.	350/-	C
5	C/O Warehouse for storage of EVMs & VVPATs building at Una, Distt. Una (HP) (SH :-Providing Security lighting there in)	3,65,190/-	7,300/-	Six Months.	350/-	C
6	C/o Three rooms with verandah at G.S.S.S. Tal, Tehsil Bhoranj, Distt Hamirpur, (SH: Providing E.I. therein)	1,20,942/-	2,500/-	One Year.	350/-	D
7	C/O Warehouse for storage of EVM Machines and VVPATs at Hamirpur Distt Hamirpur H.P (SH:- Balance Work therein.)	2,85,186/-	5,700/-	Six Months. .	350/-	D
8	C/O Four No. Shops at Regional Hospital Bilaspur, Distt. Bilaspur, (H.P) (SH:- Providing E.I. therein).	2,24,120/-	4,500/-	One Year	350/-	D
9	C/O One Stop Centre in Distt. Bilaspur, Tehsil Sadar, Distt. Bilaspur, (H.P) (SH:- Providing E.I. therein).	2,54,952/-	6,000/-	One Year.	350/-	D

10	C/O Govt. High School Building at Bharpal, Tehsil Ghumarwin, Distt. Bilaspur, (H.P.) (SH:- C/o of two rooms with verandah and stair case) (SH:- Providing E.I. there in)	1,60,702/-	3,200/-	One Year.	350/-	D
11	C/O Ware House for storage of EVM Machine & VVPATs at Bilaspur in Distt. Bilaspur H.P. (SH:- Providing Air Conditioners therein.)	3,86,598/-	7,800/-	Six Months.	350/-	Specialized Job
12	Providing and fixing 2.0 ton capacity Air Conditioner in Election Office at Changer sector at Bilaspur Distt. Bilaspur.	1,67,632/-	3,400/-	Six Months.	350/-	Specialized Job
13	Providing and Fixing 1500 VA Invertor along with wiring for HPPWD Rest House Amb, Tehsil Amb, Distt. Una HP.	72,092/-	1,500/-	Six Months.	350/-	D
14	A/R & M/O of various type and different capacity of Air Conditioners installed in various N.R Govt. buildings under Electrical Sub-Division HP.PWD Una (Amb & Bangana Section) for the year 2021-2022 (w.e.f. 1/3/2022 to 28.02.2023)..	93,450/-	1,900/-	One Year.	350/-	Specialized Job
15	C/O Addl. Accommodation 2 Nos. Class room in Ground Floor at Govt. High School Balh in Tehsil Bangana Distt. Una (H.P) (SH:- Providing E.I. therein)	1,34,112/-	2,700/-	One Year.	350/-	D
16	C/O Atal Aadarsh Vidyalaya at Mohal Gaihra Dhanet, in Tehsil Bangana, Distt. Una, (H.P) (SH:- Supplying & laying Steel conduit Ground Floor & Block B therein)	2,99,981/-	6,000/-	Six Months.	350/-	D

GENERAL TERMS AND CONDITIONS:-

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.

HIM SUCHANA AVAM JANSAMPARK


Executive Engineer,
Electrical Division
HPPWD, Una

DRAFT SCHEDULE OF QUANTITY

Estimated cost:-Rs. 1,83,508/-
 Earnest money:- Rs. 3,700/-
 Time Limit:- One year.

NAME OF WORK :- C/O Sub Centre building at Chattarpur Thada, Distt.Una.(HP)(SH :-Providing E.L.I.therein)

S. No.	Description	Quantity	Rate in Fig.	Rate in Words.	Unit	Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.(Finolex,KEI,Anchor,L&T make)					
i	Group A.	16.00			Each	
ii	Group C.	20.00			Each	
2	Wiring for light plug with 2x1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.(Finolex,KEI,Anchor,L&T make)	10.00			P/mtr.	
3	Wiring for power plug with 2x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/ recessed steel conduit along with 1 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.(Finolex,KEI,Anchor,L&T make)	44.00			P/mtr.	

4	Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.(Finolex,KEI,Anchor,L&T make)	24.00			P/mtr.	
5	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required.(Finolex,KEI,Anchor,L&T make)					
i	2x1.5 Sq. mm.	33.00			P/mtr.	
ii	2x10 Sq. mm.	3.00			P/mtr.	
6	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)					
i	3x1.5 Sq. mm.	25.00			P/mtr.	
7	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.	4.00			Each	
ii	5 pin 5/ 6 Amps socket outlet, porcelain base/ piano type.	4.00			Each	
8	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps, piano type switch, connections, painting etc. as required.	6.00			Each	

9	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 6 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc. as required.	6.00			Each	
10	Supplying and fixing bakelite batten/angle holder including connections etc. as required:- (SSK,Anchor make)	8.00			Each	
11	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required:- (SSK,Anchor make)	2.00			Each	
12	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-					
i	6Amps.Single pole. Cat-A.	6.00			Each	
ii	16Amps.Single pole. Cat-A.	6.00			Each	
13	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-					
i	Double pole. Cat-A.	2.00			Each	
14	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamps in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
i	40 Amps. Cat-A.	2.00			Each	

15	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:-					
i	Double door-12 way	2.00			Each	
16	Earthing with G.I earth pipe 4.5 mtr. long and 40mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required.	1.00			P/set	
17	Extra for using salt and charcoal for pipe earth electrode complete as required.	1.00			P/set	
18	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	35.00			P/mtr.	
19	Providing, Installation, testing and commissioning of ceiling fan without step type fan regulator modular, power input 30 watts speed 330 RPM, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required:- (Usha-Technixplus) or its equivalent make					
i	Ceiling Fan 1200 mm sweep, Category-A	6.00			Each	
20	Supplying and fixing Fan box of M.S.sheet with iron rod hook 12 mm.in place of junction box complete as required.	6.00			Each	
21	Supplying and fixing Step type fan regulator (Socket type) 100 watts on the existing switch box/cover complete making connections etc.as required.(SSK/Anchor or its equivalent make)	6.00			Each	

22	Supply and fixing of IP40 Led fixture 40 W with Surface Mounted 4 Feet with Polycarbonate diffuser with aluminium housing. The Input voltage range shall be 150V to 270V . Driver Output voltage shall be less than SELV Limits for safe operation and maintenance.Wipro Cat. No LL24-541-XXX-57-XX or Equivalent in Philips : BN308C LED40S-6500 L120 PSU WH or Trilux:TRL-X F OTA 4000-857 ET	6.00			Each	
23	Providing and fixing LED Street light 25 watts aluminium die cast housing ,with Polycarbonate LENS for uniform light distribution and bracket of steel conduit pipe 32 mm., complete with all accessories,connections,testing and commissioning etc,as required. (Wipro LR02-291-XXX-57-XX/Clair/Philips make)	3.00			Each	
24	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required:- (Usha - SPH Turbo HDEF 900 RPMISI or its Equivalent make)					
i	Exhaust Fan, Light duty, 300 mm sweep	4.00			Each	
25	Supplying and fixing exhaust fan louver shutter for 300 mm.exhaust fan on the existing wall,painting etc, as required.(National or its equivalent make)	4.00			Each	
26	Supplying and fixing of Bulk head fitting LED 10 watts and suitable for input voltage 220-240 Volts,50 HZ, Length 232x Width 105x. Height 50 mm size complete with connections etc,as required.(Panasonic Ellipto Code No.PBHM01107/Philips/ Decon or its equivalent make)	1.00			Each	
27	Supplying and fixing LED Lamp 9 watts 6500 K E-27 ,900 Lumens 240 volts AC.supply 50 HZ in the existing batten holder,pendent holder,wall bracket & bulk head fitting etc, as required.(Tisva cat. No.AL946611X/Panasonic/Philips make)	8.00			Each	

28	Supply and fixing of 2ft Led Batten 10 W surface mounted with polycarbonate diffuser and with extruded aluminum housing/polycarbonate housing. The Input voltage range shall be 150V to 270V . Driver Output voltage shall be less than SELV Limits for safe operation and maintenance.Wipro Cat. NoLL20-111-XX-65NE3 or Equivalent in Philips : BN 021 LED10S- 6500 PSU GR SI or Trilux:TRL-X F OTA 2000-857 E Tor LT	2.00			Each	
	Total:-					


 Executive Engineer,
 Electrical Division,
 HPPWD., Una

Job No. 2

DRAFT SCHEDULE OF QUANTITY

Estimated cost:- Rs. 2,10,940/-

Earnest money:- Rs. 4,300/-

Time Limit:- One year.

NAME OF WORK :- C/O Health Sub Centre Palkwah at Karampur, Tehsil Haroli, Distt. Una, (HP), (SH :- Providing E.I. therein)

Sr. No.	Description	Quantity	Rate in Fig.	Rate in words.	Unit	Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required. (Finolex, KEI, Anchor, L&T make)					
i	Group A.	16.00			Each	
ii	Group C.	26.00			Each	
2	Wiring for light plug with 2x1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required. (Finolex, KEI, Anchor, L&T make)	10.00			P/mtr.	
3	Wiring for power plug with 2x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required. (Finolex, KEI, Anchor, L&T make)	54.00			P/mtr.	
4	Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required. (Finolex, KEI, Anchor, L&T make)	32.00			P/mtr.	

5	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required.(Finolex,KEI,Anchor,L&T make)						
i	2x1.5 Sq. mm.	48.00				P/mtr.	
ii	2x10 Sq. mm.	4.00				P/mtr.	
6	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)						
i	3x1.5 Sq. mm.	33.00				P/mtr.	
7	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.	4.00				Each	
ii	5 pin 5/ 6 Amps socket outlet, porcelain base/ piano type.	4.00				Each	
8	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps, piano type switch, connections, painting etc. as required.	8.00				Each	
9	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 6 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc. as required.	9.00				Each	
10	Supplying and fixing bakelite batten/angle holder including connections etc. as required:- (SSK,Anchor make)	7.00				Each	
11	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase,230 volts complete as required:- (SSK,Anchor make)	2.00				Each	

12	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-						
i	Single pole. Cat-A.	16.00				Each	
13	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-						
i	Double pole. Cat-A.	2.00				Each	
14	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamps in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
i	40 Amps. Cat-A.	2.00				Each	
15	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus- bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:-						
i	Double door-12 way	1.00				Each	
ii	Double door-16 way	1.00				Each	
16	Earthing with G.I earth pipe 4.5 mtr. long and 40mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required.	1.00				P/set	
17	Extra for using salt and charcoal for pipe earth electrode complete as required.	1.00				P/set	
18	Supplying and laying 6 SW/G G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	35.00				P/mtr.	

19	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-Technixplus BEE 3 Star rated model)or its equivalent make)						
i	Ceiling Fan 1200 mm sweep, Category-A	7.00				Each	
20	Supplying and fixing Fan box of M.S.sheet with iron rod hook 12 mm.in place of junction box complete as required.	7.00				Each	
21	Supplying and fixing Step type fan regulator (Socket type) 100 watts on the existing switch box/cover complete making connections etc.as required.(SSK/Anchor or its equivalent make)	7.00				Each	
22	Providing and fixing LED surface/pendent mounting Tube fixture 24 watts Jaqour make glazed LED batten Cat.No.LGLZ01X024XN high quality design aluminium extruded decorative end caps as per best satisfaction of Engineer-in-Charge complete as required.	11.00				Each	
23	Providing and fixing LED Street light 25 watts aluminium die cast housing ,with Polycarbonate LENS for uniform light distribution ,AC 85-270 volts with 4MV electric surge,lumen 2400,available color temperature 6500 K,CRI 80,IP rating 66, up to 10KVA electric surge protection and bracket of steel conduit pipe 32 mm., complete with all accessories,connections,testing and commissioning etc.as required. (Wipro LR02-291-XXX-57-XX/Clair/Philips make)	4.00				Each	
24	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required:- (Usha - SPH Turbo HDEF 900 RPMISI or its Equivalent make)						
i	Exhaust Fan, Light duty, 300 mm sweep	4.00				Each	

25	Supplying and fixing exhaust fan louver shutter for 300 mm.exhaust fan on the existing wall,painting etc, as required.(National or its equivalent make)	4.00			Each	
26	Supplying and fixing LED Lamp 9 watts 6500 K E-27 ,900 Lumens 240 volts AC.supply 50 HZ in the existing batten holder,pendent holder,wall bracket & bulk head fitting etc, as required.(Tisva cat. No.AL946611X/Panasonic/Philips make)	4.00			Each	
27	S/F of computer board comprising 3 No.Switch and 3 No.3 pin 5 amps.socket outlet and 1 No.metal box 200x250x75 mm.deep with suitable size of phenolic laminated sheet cover in the front in/c connections etc,as required.	1.00			Each	
28	Supplying and fixing of Bulk head fitting LED 10 watts and it should be compatible with specifications i.e.Power factor >0.9,Harmonic distortion <10% & efficacy >100 Lumen per watts,CRI >80 ,6500 K suitable for input voltage 220-240 Volts,50 HZ, Length 232x Width 105x Height 50 mm size complete with connections etc,as required.(Panasonic Ellipto Code No.PBHM01107/Philips/ Jaquor/Tisva make)	2.00			Each	
	Total:-					


Executive Engineer,
Electrical Division,
HPPWD., Una

DRAFT SCHEDULE OF QUANTITY

Estimated cost:-Rs. 1,83,508/-
 Earnest money:- Rs. 3,700/-
 Time Limit:- One year.

NAME OF WORK :- C/O Sub Centre building at Sanoli, Distt.Una, (HP) (SH :-Providing E.I.therein)

Sr. No.	Description	Quantity	Rate in Fig.	Rate in Words.	Unit	Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.(Finolex,KEI,Anchor,L&T make)					
i	Group A.	16.00			Each	
ii	Group C.	20.00			Each	
2	Wiring for light plug with 2x1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.(Finolex,KEI,Anchor,L&T make)	10.00			P/mtr.	
3	Wiring for power plug with 2x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/ recessed steel conduit along with 1 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.(Finolex,KEI,Anchor,L&T make)	44.00			P/mtr.	
4	Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.(Finolex,KEI,Anchor,L&T make)	24.00			P/mtr.	

5	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required.(Finolex,KEI,Anchor,L&T make)					
i	2x1.5 Sq. mm.	33.00			P/mtr.	
ii	2x10 Sq. mm.	3.00			P/mtr.	
6	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)					
i	3x1.5 Sq. mm.	25.00			P/mtr.	
7	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.	4.00			Each	
ii	5 pin 5/6 Amps socket outlet, porcelain base/ piano type.	4.00			Each	
8	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps, piano type switch, connections, painting etc. as required.	6.00			Each	
9	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 6 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc. as required.	6.00			Each	
10	Supplying and fixing bakelite batten/angle holder including connections etc. as required:- (SSK,Anchor make)	8.00			Each	
11	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase,230 volts complete as required:- (SSK,Anchor make)	2.00			Each	

12	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-					
i	6Amps.Single pole. Cat-A.	6.00			Each	
ii	16Amps.Single pole. Cat-A.	6.00			Each	
13	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-					
i	Double pole. Cat-A.	2.00			Each	
14	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
i	40 Amps. Cat-A.	2.00			Each	
15	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:-					
i	Double door-12 way	2.00			Each	
16	Earthing with G.I earth pipe 4.5 mtr. long and 40mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required.	1.00			P/set	
17	Extra for using salt and charcoal for pipe earth electrode complete as required.	1.00			P/set	
18	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	35.00			P/mtr.	

19	Providing, Installation, testing and commissioning of ceiling fan without step type fan regulator modular, power input 30 watts speed 330 RPM, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required:- (Usha-Technixplus) or its equivalent make)					
i	Ceiling Fan 1200 mm sweep, Category-A	6.00			Each	
20	Supplying and fixing Fan box of M.S.sheet with iron rod hook 12 mm.in place of junction box complete as required.	6.00			Each	
21	Supplying and fixing Step type fan regulator (Socket type) 100 watts on the existing switch box/cover complete making connections etc,as required.(SSK/Anchor or its equivalent make)	6.00			Each	
22	Supply and fixing of IP40 Led fixture 40 W with Surface Mounted 4 Feet with Polycarbonate diffuser with aluminium housing. The Input voltage range shall be 150V to 270V . Driver Output voltage shall be less than SELV Limits for safe operation and maintenance.Wipro Cat. No LL24-541-XXX-57-XX or Equivalent in Philips : BN308C LED40S-6500 L120 PSU WH or Trilux:TRL-X F OTA 4000-857 ET	6.00			Each	
23	Providing and fixing LED Street light 25 watts aluminium die cast housing ,with Polycarbonate LENS for uniform light distribution and bracket of steel conduit pipe 32 mm., complete with all accessories,connections,testing and commissioning etc,as required. (Wipro LR02-291-XXX-57-XX/Clair/Philips make)	3.00			Each	
24	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required:- (Usha - SPH Turbo HDEF 900 RPMISI or its Equivalent make)					
i	Exhaust Fan, Light duty, 300 mm sweep	4.00			Each	

25	Supplying and fixing exhaust fan louver shutter for 300 mm.exhaust fan on the existing wall,painting etc, as required.(National or its equivalent make)	4.00			Each	
26	Supplying and fixing of Bulk head fitting LED 10 watts and suitable for input voltage 220-240 Volts,50 HZ, Length 232x Width 105x Height 50 mm size complete with connections etc,as required.(Panasonic Ellipto Code No.PBHM01107/Philips/ Decon or its equivalent make)	1.00			Each	
27	Supplying and fixing LED Lamp 9 watts 6500 K E-27 ,900 Lumens 240 volts AC.supply 50 HZ in the existing batten holder,pendent holder,wall bracket & bulk head fitting etc, as required.(Tisva cat. No.AL946611X/Panasonic/Philips make)	8.00			Each	
28	Supply and fixing of 2ft Led Batten 10 W surface mounted with polycarbonate diffuser and with extruded aluminum housing/polycarbonate housing. The Input voltage range shall be 150V to 270V . Driver Output voltage shall be less than SELV Limits for safe operation and maintenance.Wipro Cat. NoLL20-111-XX-65NE3 or Equivalent in Philips : BN 021 LED10S- 6500 PSU GR S1 or Trilux:TRL-X F OTA 2000-857 E Tor LT	2.00			Each	
	Total:-					


 Executive Engineer,
 Electrical Division,
 HPPWD., Una

Job No. 4

DRAFT SCHEDULE OF QUANTITY

Estimated cost:- Rs. 3,51,305/-
Earnest money:- Rs. 7,000/-
Time Limit:- Six Months.

Time Limit:- Six Months.

Name of work :- Providing wiring in Rest House at IRB.Complex Bangarh, Distt.Una (HP)						
Sr. No.	Description	Quantity	Rate in Fig.	Rate in Words.	Unit	Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.(Finolex,KEL,Anchor,L&T make)					
i	Group C.	52.00			Each	
2	Wiring for ligh 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 PVC conduit along with 1 No.1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.(Finolex,KEL,Anchor,L&T make)	40.00			P/mtr.	
3	Wiring for power plug with 2x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.(Finolex,KEL,Anchor,L&T make)	104.00			P/mtr.	

4	Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 2 No.4 Sq.mm. HRFRLS/PVC insulated single core	107.00			P/mtr.	
5	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.HRFRLS/PVC insulated single core copper					
i	2x1.5 Sq. mm.	78.00			P/mtr.	
6	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,					
i	3x1.5 Sq. mm.	60.00			P/mtr.	
7	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required.(SSK (Lica model),L&T,Anchor make)					
i	S.P. 5/ 6 Amps one way Modular switch.	10.00			Each	
ii	5 pin, 5/ 6 Amps Modular socket outlet.	10.00			Each	
8	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required.(SSK (Lica model),L&T,Anchor make) .	7.00			Each	
9	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required..(SSK (Lica model),L&T,Anchor make)	17.00			Each	
10	Supplying and fixing bakelite batten/angle holder including connections etc. as required:- (SSK,Anchor make)	11.00			Each	

11	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:- (Hagger,ABB,L&T make)						
i	Single pole. 6 Amps.Cat-A.	7.00				Each	
ii	Single pole. 16 Amps.Cat-A.	17.00				Each	
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						
i	Double pole. 63 Amps.Cat-A.	1.00				Each	
13	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 miliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required. (Hagger,ABB,L&T make)						
	63 Amps. Cat-A.	1.00				Each	
14	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus- bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:- (Hagger,ABB,L&T make)						
i	Double door-12 way	2.00				Each	
15	Earthing with G.I. earth pipe 4.5 mtr. long and 40mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required.	1.00				P/set	
16	Extra for using salt and charcoal for G.I. pipe earth electrode complete as required.	1.00				P/set	

17	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	35.00			P/mtr.	
18	Providing, Installation, testing and commissioning of ceiling fan without step type fan regulator modular, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required:- (Usha-Technixplus BEE 3 Star rated model) or its equivalent make)					
i	Ceiling Fan 1200 mm sweep, Category-A	7.00			Each	
19	Supplying and fixing stepped type Modular fan regulator on the existing modular box including making connections etc. as required. (SSK, L&T, Anchor make)	7.00			Each	
20	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required:- (Usha - SPH Turbo HDEF 900 RPMISI or its Equivalent make)					
i	Exhaust Fan, light duty, 300 mm sweep	3.00			Each	
21	Supply and fixing of IP40 Led fixture 40 W with Surface Mounted 4 Feet with Polycarbonate diffuser with aluminium housing .The Input voltage range shall be 150V to 270V . Driver Output voltage shall be less than SELV Limits for safe operation and maintenance. Wipro Cat. No LL24-541-XXX-57-XX or Equivalent in Philips : BN308C LED40S-6500 L120 PSU WH or Trilux:TRL-X F OTA 4000-857 ET	16.00			Each	
22	Providing and fixing LED surface/pendent mounting Tube fixture 24 watts Jaquor make glazed LED batten Cat.No.LGLZ01X024XN high quality design aluminium extruded decorative end caps as per best satisfaction of Engineer-in-Charge complete as required	1.00			Each	

23	Supply and fixing of 2ft Led Batten 10 W surface mounted with polycarbonate diffuser and with extruded aluminum housing/ polycarbonate housing.The Input voltage range shall be 150V to 270V . Driver Output voltage shall be less than SELV Limits for safe operation and maintenance.Wipro Cat. NoLL20-111-XX-65NE3 or Equivalent in Philips : BN 021 LED10S- 6500 PSU GRS1 or Trilux:TRL-X F OTA 2000-857 ETor LT	1.00			Each	
24	Supply& Fixing of led fixture 18 W LED Surface Mounted Downlighter Round Shape.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 LD80-171-XXX-60-SM or Equivalent in Philips: SM251C LED20S- 6500 PSU WH or Trilux :Ambiella IND D LED1000-860 ET 01 ET or LT ;	1.00			Each	
25	Supplying and fixing LED Lamp 9 watts 6500 K E-27 ,900 Lumens 240 volts AC.supply 50 HZ in the existing batten holder,pendent holder,wall bracket & bulk head fitting etc, as required.(Tisva cat. No.AL946611X/Panasonic/Philips make)	15.00			Each	
26	Supplying and fixing Fancy wall bracket,single holder size 170x255 GLS 60w.mm.excluding of lamp,complete making connections etc,as required.(Decon make, Cat.No.050Q or its equivalent make)	4.00			Each	
27	Supplying and fixing of indicating bell (6 Module) for call display with name plate,with 6module box complete with connections,testing etc,as required.(Goldmedal make Cat.No.106567 or its equivalent make)	1.00			Each	

28	Providing and fixing LED Street light 25 watts aluminium die cast housing ,with Polycarbonate LENS for uniform light distribution and bracket of steel conduit pipe 32 mm., complete with all accessories,connections,testing and commissioning etc,as required. (Wipro LR02-291-XXX-57-XX/Clair/Philips make)	2.00			Each	
29	Supplying and fixing Flood light LED 120 watts "Turbo" LED Flood light with secondary optics made in pressure die cast housing and heat sink in aluminium extrusion Bajaj make Cat.No.169641 BARFEG 120 LED complete with connections etc, as required.	4.00			Each	
30	Supplying and fixing of sub main wiring with 10 sq.mm.weather proof twin core aluminium conductor cable on the G.I.bearer wire etc,as required.	30.00			P/mtr.	
Total :-						


 Executive Engineer,
 Electrical Division,
 HPPWD., Una

DRAFT SCHEDULE OF QUANTITY

Estimated cost:- Rs. 3,65,190/-

Earnest money:- Rs. 7,300/-

Time Limit:- Six Months.

Name of work :-C/O Wharehouse for storage of EVMs & VVPATs building at Una, Distt. Una, (HP) (SH :-Providing Security lighting therein)

Sr. No.	Description	Quantity	Rate in Fig.	Rate in words.	Unit	Amount
1	Providing and laying of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade direct in ground; to be laid 1 meter below the ground level including excavation sand cushioning, protective covering and refilling the trench etc. of the required size:- (KEI/Polycab/Havells or its equivalent make)					
i	Armoured cable 10 sq. mm (twin core)	20.00			P/mtr.	
ii	Armoured cable 16 sq. mm (twin core)	10.00			P/mtr.	
2	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:- (KEI/Polycab/Havells or its equivalent make)					
i	Armoured cable 10 sq. mm (twin core)	110.00			P/mtr.	
ii	Armoured cable 16 sq. mm (twin core)	55.00			P/mtr.	
3	Providing and laying of aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade direct in ground in the same trench, in one tier horizontal formation to be laid 1 meter below the ground level including excavation and refilling the trench etc.as required, but excluding sand cushioning and protective covering etc. of required size:- (KEI/Polycab/Havells or its equivalent make)					
i	Armoured cable 10 sq. mm (twin core)	10.00			P/mtr.	

4	Providing and fixing LED Flood light 90 watts die cast aluminium housing with unique lens system ,AC 120-270 volts ,IP rating 66 complete with all Bracket, accessories,connections,testing and commissioning etc,as required. (Twinkle make Cat.No.LuxMax-FL-MB-90/or its equivalent make)	8.00			Each	
5	Providing and fixing LED Flood light 120 watts die cast aluminium housing with unique lens system ,AC 120-270 volts ,IP rating 66 complete with all Bracket, accessories,connections,testing and commissioning etc,as required (Twinkle make Cat.No.LuxMax-FL-MB-120/or its equivalent make)	3.00			Each	
6	Supplying and fixing of Post top lantern LED 25 watts on G.I. Pipe, complete with all accessories,including making connections,testing etc,as required.(Twinkle make cat. No.LuxMax-PT-155A or its equivalent make)	3.00			Each	
7	Supplying and fixing of Post top lantern LED 60 watts on existing pole, complete with all accessories,including making connections,testing etc,as required.(Twinkle make cat. No.LuxMax-PT-155A or its equivalent make)	3.00			Each	
8	Supplying and fixing 4.0 mtrs.2 stepped Decorative Urban pole made of Galvanised mild steel tubes with cast aluminium embellishments.The pole are primer coated and painted with polyurethane paint.The pole has a service window at the bottom comprising four way 25 amps connector terminal and a MCB.Pole can be mounted with four numbers Anchor bolts as per foundation.Pole make :-Twinkle LuxMax-SP-140-402-4 mtr.or its equivalent make.	3.00			Each	
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:- (Legrand/Hager/ABB/L&T make)					
i	63 Amps. Cat-A.	2.00			Each	

10	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:- (Haggar,ABB,L&T make)	11.00			Each	
Total :-						


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

DRAFT SCHEDULE OF QUANTITY

Job No. 6

Estimated cost:- Rs. 1,20,942/-
Earnest money:- Rs. 2,500/-
Time Limit:- One year.

Name of work:- C/o Three Rooms with verandah at G.S.S.S. Tal Tehsil Bhoranj, Distt Hamirpur, (SH:- Providing E.I. therein)						
Time Limit:- One year.						
Sr. No.	Description of Items	Quantity	Rate in Fig.	Rate in Words.	Unit	Amount
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as requiredMake- Anchor, SSK					
i	Group C.	31.00			Each	
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 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, SSK					
i	Group C.	2.00			Each	
3	Supplying and fixing following 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 ISI marked	4.00			Each	
ii	5pin 5/6 Amps socket outlet, porcelain base/ piano type.	4.00			Each	
4	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in FRLSont including providing and fixing 6 pin 5/6 & 15/16 amps socket outlet and 15/16 amps piano type switch, connection, painting etc. as required.	3.00			Each	
5	1.14 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed PVC conduit as required Make KEI,Plaza, Polycab, finolex					
i	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	40.00			P/mtr.	
ii	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	12.00			P/mtr.	

iii	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	24.00			P/mtr.	
iv	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	18.00			P/mtr.	
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: Make:- Usha(TECHNIX PLUS), Bajaj, Crompton or its equivalent as approved by Er-In-Charge					
i	Ceiling Fan 1200 mm sweep	15.00			Each	
7	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make L&T, Schneider, ABB or its equivalent as per best satisfaction of Engineer-in-charge.	6.00			Each	
8	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of pole Double pole in the existing MCB DB complete with connections etc. as required: Make L&T, Schneider, ABB or its equivalent as per best satisfaction of Engineer-in-charge.	1.00			Each	
9	Supplying and fixing 63 amp rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current 300 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make L&T, Schneider, ABB or its equivalent as per best satisfaction of Engineer-in-charge.					
i	Double pole. Cat-A.	1.00			Each	
10	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.					
i	Double door- 8 way	1.00			Each	

11	Supplying and fixing batten/ angle holder including connection etc. as required. Make :-Anchor (Roma classic),L&T(Entice),Legrand(Myrius) or its equivalent as approved by Er-In-Charge	15.00				Each	
12	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 TISVA, wipro, Philips or its equivalent as approved by Engineer-in-Charge						
i	LED Bulb 9W	13.00				Each	
13	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.						
i	3x1.5 Sq. mm.	10.00				Each	
14	Supplying and fixing socket type stepped type electronic fan regulator on the existing switch box including connections but excluding of switch box and phenolic laminated sheet etc. as required.	15.00					
Total							


Executive Engineer,
Electrical Division,
HPPWD., Una

DRAFT SCHEDULE OF QUANTITY

Job No. 7

Estimated cost:-Rs. 2,85,186/-
Earnest money:- Rs. 5,700/-
Time Limit:- Six Months.

Name of work :-C/O Warehouse for storage of EVM Machines and VVPATs at Hamirpur Distt Hamirpur H.P (SH:- Balance Work therein.)

Sr. No.	Description of Items	Quantity	Unit	Rate in Fig.	Rate in Words.	Amount
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Make :-Anchor (Roma classic),L&T(Entice) ,Legrand (Myrius) or its equivalent as approved by Er-In-Charge					
i	Group C	15.00	Each			
2	Wiring for circuit/submain wiring the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed PVC conduit as required. Make:-Plaza,KEI,Finolex or its equivalent as approved by Er-In-Charge					
i	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	15.00	Meter			
ii	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	30.00	Meter			
iii	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	5.00	Meter			
3	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					
i	5/6 amp Modular switch	5.00	Each			
ii	5 pin 5/6 amp socket outlet	5.00	Each			
4	Supplying and fixing following size/modules,G.I box in recess etc.as required Make :-Anchor (Roma classic),L&T(Entice),Legrand(Myrius) or its equivalent as approved by Engineer-in -charge.					
i	3 Module (100mmX75mm)	6.00	Each			

5	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. Diplast/BEC/Polyfit or its equivalent as approved by Er-In-Charge						
i	25 mm					50.00	Mtr
ii	50 mm					50.00	Mtr
6	Providing and installation exhaust fan of 250 mm light duty (plastic body) 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	1.00					Each
7	Providing and installation of stationary storage type Electric water heater (Geyser) of 25 litre capacity various sizes by means of expansion-bolts with nuts and washers, including 15 amp top 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.	1.00					Each
8	Providing and fixing of following type surface mounted Luminaire LED batten (Commercial Type) , having high Quality design aluminium housing with end caps and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion > 15% and efficiency > 100 Lumens per watt , CRI > 80 suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc as: Make Philips, Panasonic Jaquar or its equivalent as approved by Er-In-Charge (Five year warranty)						
i	10 watt	8.00					Each
9	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 (Cat no LBLK02X010XW)/PHILIPS , wipro or its equivalent as approved by Engineer-in-Charge	2.00					Each
10	Supplying and fixing D- link DGS-1100-16V2 16port 10/100/1000Mbps L2 managed standalone gigabit switch in desk top (green ethernet) for getting blazing speed of giga bite that delivers power performance and reliability i.e increasing the speed of net work server in large in switching protocol storing and forwarding as required . Make:- D-Link (Code No DGS-1100-16V2) Digilink, Cisco/ or its equivalent as approved by Engineer-in-Charge.	1.00					Each

11	Supplying and fixing Loaded Wall- Wall Mount 2u Dimensions 44 X57 X20 CM Front Glass Door(tinted,toughened) with LOCK &KEY, 2PAIRS OF 19" Mounting Rail with U-Marking welded Side walls 1U Cable Manager (1) Hardware Packet (1Pkt)3 socket 5amp .power distribution Unit(INO) .Make:- D-Link(CAT NO NMR-2U-5540-GR-DVR). Cisco, Digi link or its equivalent as approved by Engineer-in-Charge.	1.00	Each			
12	Supplying and fixing Loaded Wall- Wall Mount 4u Dimensions 550 X400 X20 CM Front Glass Door(tinted,toughened) with LOCK &KEY, 2PAIRS OF 19" Mounting Rail with U-Marking welded Side walls 1U Cable Manager (1) Hardware Packet (1Pkt)3 socket 5amp .power distribution Unit(INO) .Make:- D-Link(CAT NO NWR-4U-5040-GR). Cisco, Digi link or its equivalent as approved by Engineer-in-Charge.	1.00	Each			
13	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.	2.00	P/set			
14	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.	90.00	Each			
15	Supplying and erection of following depth sheet 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, Change over handle,selector switches including, powder coated painting and bonding to the existing earth etc., the same shall be erected in the 1:2:4 cement concrete plat-form of suitable dimensions 15 cm high from ground level and 45 cm thick. The cubical pedestal shall be 15 cm from the top of cement concrete plat-form:-The panel should confirmed to ISI: 64139 Make:-EVA,Power & Control System,Supertech make or its equivalent as approved of Engineer-in -charge					
i	300 mm Deep	2.00	Sq/mtr			

16	Providing and fixing 250 Amp rating and 36 kA breaking capacity MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. Make L&T, Legrand, ABB or its equivalent as approved by Engineer-In-Charge	1.00	Each			
17	Providing and fixing 200 amp rating, four pole, 415 volts, On-Load change over switch unit, panel mounting, front handle operation, including drilling holes in the cubicle, making connections, etc. as required. Make L&T, Legrand, ABB or its equivalent as approved by Engineer-In-Charge	1.00	Each			
18	Supplying and fixing copper strip bus-bars suitable for 200 Amp. 415 volts capacity 4 No. each of cross-sectional area (16mmx3.17mm), in the existing enclosure with all accessories including connections etc. as required. Make L&T, Legrand ABB or its equivalent as approved by Engineer-In-Charge	1.00	P/mtr			
19	S/F indicator set RY&B with 3 Nos Kit kat (LED type) to show the three indicating in the existing panel complete etc as required. Make L&T, Schneider, ABB or its equivalent as approved by Engineer-In-Charge	1.00	Set			
20	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, Schneider, ABB or its equivalent as approved by Engineer-In-Charge	1.00	Each			
21	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, Schneider, ABB or its equivalent as approved by Engineer-In-Charge	1.00	Each			
22	supplying and fixing CT coil 500/5 amp with burden of VA 15 accuracy class -1 Make L&T, Schneider, ABB or its equivalent as approved by Engineer-In-Charge	3.00	Each			
23	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, Hagar or its equivalent as approved by Engineer-In-Charge					
i	MCB DB 4 WAY	1.00	Each			

24	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of pole Double pole in the existing MCB DB complete with connections etc. as required:- Make L&T ,Legrand, Hager or its equivalent as approved by Engineer-In-Charge	1.00	Each			
25	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.) Make L&T ,Legrand, Hager or its equivalent as approved by Engineer-In-Charge	3.00	Each			
i	single pole					
26	Supplying and fixing of following 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, ABB or its equivalent as approved by Engineer-in-Charge	1.00	Each			
i	Triple pole and Neutral					
27	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:- Make: Finolex ,KEI, Plaza or its equivalent as approved by Engineer-in-Charge					
i	Armoured cable 6 sqmm(twin core)	35.00	Mtr			
ii	Armoured cable 70sqmm(3.5 CORE)	55.00	Mtr			
28	Providing and fixing of Post Top Lantern (light House), E-27 base lamp holder of suitable size, excluding with LED 23/30 watt lamp complete with all accessories, connections, testing and commissioning etc.as required .Make :- Twinkle cat no LuxMax-PT-153-R/C, K-lite ,panasonic or its equivalent as approved by Engineer-in-charge.(Five year warranty)	2.00	Each			
29	Providing and installation of 40 Watt LED Lamp with E-27 base polycarbonate diffuser and aluminium heat sink including connections, etc. as required:- Make TISVA, wipro, Philips or its equivalent as approved by Engineer-in-Charge(Five year warranty)	2.00	Each			
30	Supplying and making 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.					
i	4 core X 16 sqmm(28mm)	1.00	Each			
ii	3.5 core X 70sqmm(35mm)	1.00	Each			

31	Supplying and laying G.I. pipe of 40 mm. dia (Heavy duty) underground 1.00 mtr. below ground level for laying the wire/cable etc, as required	10.00	Mtr			
					Total:	


 Executive Engineer,
 Electrical Division,
 HPPWD., Una

DRAFT SCHEDULE OF QUAMNTITY

Job No. 8

Estimated cost:- Rs. 2,24,120/-
Earnest money:- Rs. 4,500/-
Time Limit:- One year.

NAME OF WORK:- C/O 4 No. Shops at Regional Hospital Bilaspur in Distt Bilaspur (H.P.) (SH:- Providing E.I. therein)						
Sr. No.	Description of Items	Quantity	Rate in Fig.	Rate in Words.	Unit	Amount
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.					
i	Group C.	38.00			Each	
2	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.	12.00			Each	
3	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.	8.00			Each	
4	Supplying & fixing suitable size GI box with modular plate and cover in front on surface or in recess i/c providing and fixing 25 amp modular socket outlet and 25 Amps modular SP MCB, "C" curve including connection, painting etc. as required.	4.00			Each	

5	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 (RJ45) with shutter including connections etc as required.	8.00				Each	
6	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed PVC conduit as required						
i	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	48.00				Mtr	
ii	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	60.00				Mtr	
iii	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	24.00				Mtr	
iv	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	8.00				Mtr	
7	Supplying and fixing surface Square type LED 20 watt, 6000k, (Five YEAR WARRANTY) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion < 10% and efficacy > 100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- Panasonic (Model -PDLM10206BR)/Philips, wipro or its equivalent as approved by Engineer-in-Charge.	16.00				Each	

8	Supplying and fixing surfaceSquare 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 220240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- Panasonic (Model -PDLM10156BR)/Philips, wipro or its equivalent as approved by Engineer-in-Charge.	4.00			Each	
9	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 -Panasonic (Model -PBHM01107)/Jaquar/PHILIPS, wipro or its equivalent as approved by Engineer-in-Charge.	6.00			Each	
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 mmtwin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required with minimum 3 star rating: Make:- Usha(TECHNIXPLUS), Bajaj, Crompton or its equivalent as approved by Er-in-charge.	4.00			Each	
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.	4.00			Each	

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:	4.00			Each	
13	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.					
i	40amp, double pole, (single phase and neutral)	4.00			Each	
14	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.	24.00			Each	
15	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					
i	12 way, Double door	4.00			Each	
16	Supplying and fixing PVC batten/ angle holder including connection etc. as required.	8.00			Each	

17	Supplying and fixing true power make advanced earthing system having GI 2 meter long 50 mm dia with terminal size 50x6 mm ,internal strip size 25x2 with 50 Kg compound including exvation of pit and refiling the same and making earthing pit cover 13 inch dia as required complete in all respect. make :-True power ,Earth plus, Ashloka or its equivalent as per best satisfaction of Engineer-in charge.	2.00			Each	
18	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	30.00			Mtr	
	TOTAL					


 Executive Engineer,
 Electrical Division,
 HPPWD., Una

DRAFT SCHEDULE OF QUANTITY

Estimated cost:- Rs. 2,54,952/-

Earnest money:- Rs. 6,000/-

Time Limit:- One year.

NAME OF WORK:- C/O One Stop Centr in Tehsil and Distt. Bilaspur (H.P.) (SH:- Providing E.I. therein)						
Sr. No.	Description of Items	Quantity	Rate in Fig.	Rate in Words.	Unit	Amount
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Make :-Anchor (Roma classic),L&T(Entice), Legrand (Myrius) or its equivalent as approved by Er-In-Charge.					
i	Group C.	54.00			Each	
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 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 Er-In-Charge.	2.00			Each	
3	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required. Make :-Anchor (Roma classic),L&T(Entice), Legrand (Myrius) or its equivalent as approved by Er-In-Charge.					
i	S.P. 5/ 6 Amps one way Modular switch.	6.00			Each	
ii	5 pin, 5/ 6 Amps Modular socket outlet.	6.00			Each	

4	Supplying and fixing G.I. Modular box (140mmx78mmx50mm) size with mouldlar plate and cover in recess including providing and fixing 5pin 5/6amp mouldlar socket outlet and 5/6Amp, modular switch connections etc. as required. Make :-Anchor (Roma classic), L&T(Entice), Legrand (Myrius) or its equivalent as approved by Er-In-Charge.	11.00			Each	
5	Supplying and fixing G.I. Modular box (140mmx78mmx50mm) size with mouldlar plate and cover in recess including providing and fixing 6pin 15/16amp mouldlar socket outlet and 15/16Amp, modular switch connections etc. as required. Make :-Anchor (Roma classic), L&T(Entice), Legrand (Myrius) or its equivalent as approved by Er-In-Charge.	8.00			Each	
6	Supplying and fixing Computer board comprising 3 nos 5 amp modular switches, metal box 2 module for jack box and metal box 200 mmx150 mmx75 mm for 5 amp switches and 5amp sockets comprising sheet cover for each 2module 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 Er-In-Charge.	3.00			Each	
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 PVC conduit along with 1 No. HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required. Make:- KEI, Anchor, Polycab, Plaza as approved by Engineer -in-charge.					
i	2x1.5 Sq. mm.	60.00			Meter	
ii	2x4 sq. mm	60.00			Meter	
iii	2x10 sq. mm.	12.00			Meter	
8	Supplying and Drawing following size of PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in existing surface/recessed Steel/PVC conduit as required. Make:- KEI, Anchor, Polycab, Plaza as approved by Engineer -in -charge.					
i	3x1.5 sq. mm.	40.00			Meter	
ii	3x4 sq. mm.	65.00			Meter	

9	Providing installation testing and commissioning of ceiling fan with step size socket size regulator including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible cotton braided copper cable including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc as required. Make:- Usha Technix plus, BEE, Crompton H.S. 5 star Plus or its equivalent not less than three star rating as approved by Engineer-in-Charge.						
i	ceiling fan 1200 mm	10.00					Each
10	Supplying and fixing of Exhaust fan (Plastic) with Louver shutter 300mm 1000RPM 1125 Air Delivery Ex fan on the existing opening including making the hole to suit the size of above fan making good the damages complete with connections, testing and commissioning etc. as required. Make - Bajaj (code:- 70062), Crompton, philips or its equivalent as approved by Engineer-in-Charge.	4.00					Each
11	Supplying and fixing Aluminium batten LED 24 watt, 6000k, (Five YEAR WARRANTY) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:-Jaquar (Cat No LGLZ01X024XXN /Philips, Panasonic or its equivalent as approved by Engineer-in-Charge.	16.00					Each
12	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.	3.00					Each

13	Supplying and fixing Square LED Recess type 20 watt, 6000k, (Five YEAR WARRANTY) and it should be compatible with specification i.e. Power Factor > 9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- Panasonic (Model -PPAM 12206BS)/Philips, wipro or its equivalent as approved by Engineer-in-Charge.	1.00			Each	
14	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 -Panasonic (Model PBHM01107)/PHILIPS/wipro as approved by Engineer-in-Charge.	4.00			Each	
15	Supplying and fixing surfaceSquare type LED 15 watt, 6000k, (Five YEAR WARRANTY) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- Panasonic (Model - PDLM10156BR)/Philips, wipro or its equivalent as approved by Engineer-in-Charge.	4.00			Each	
16	Supplying and fixing Ding dong bell suitable for single phase, 230 volts, complete as required.	4.00			Each	
17	1.58 Supplying and fixing PVC batten/ angle holder including connection etc. as required.	6.00			Each	
18	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 TISVA,wipro, Philips or its equivalent as approved by Engineer-in-Charge.	6.00			Each	
19	Supplying and erection of 5 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-Make L&T Legrand, Heggear as approved by Engineer-in-charge.	14.00			Each	

20	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-Make L&T Legrand, Hegggar as approved by Engineer-in-charge.	1.00			Each	
21	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 miliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make L&T Legrand, Hegggar as approved by Engineer-in-charge.	1.00			Each	
i	63 Amps.					
22	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:-Make L&T Legrand, Hegggar as approved by Engineer-in-charge.					
i	Double door-8 way	1.00			Each	
ii	Double door-12 way	1.00			Each	
23	Supplying and fixing of following sizes of PVC conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required. Make: Diplast/BEC/Poy Fit.					
i	25 mm. dia.	35.00			Meter	
24	Providing and installation of stationary storage type Electric water heater (Geyser) of 25 Liter capacity by means of Expansion-bolts with nuts and washers, including embedding of expansionbolts in the wall, providing and fixing of Non-return valve, Dead weight safety valve, 2 No C.P. connection rods 18" long, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required:- Make:- Racold, Jaquar, Usha, Bajaj minimum 3- star rating. as approved by Engineer-in-charge.	2.00			Each	

25	Supplying and drawing Lan cable Cat -6 solid copper conductor 4 pair protected with PVC Sheathed in existing surface /recessed steel/PVC Conduit as required. Make:- Polycab, Finolex, D-link.	45.00				Meter	
26	Supplying and fixing D- link DGS-1100-08 (8 Port) 8 10/100/1000 ports EasyL2 switch standalone switch in desk top (green ethernet) for getting blazing speed of Gigabit Ethernet L2 switch that delivers power performance and reliability i.e increasing the speed of net work server in large in switching protocol storing and forwarding as required .Make:- D-Link.	1.00				Each	
27	Supplying and fixing true power make advanced earthing system having Gi pipe 3 meter long 50 mm dia with terminal size 50x6 mm ,internal strip size 25x2 with 50 Kg compound including exvaxation of pit and refiling the same and making earthing pit cover 13 inch dia as required complete in all respect. make :-True power Earth plus, Ashloka or its equivalent as per best satisfaction of Engineer-in-charge.	1.00				P/Set	
28	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	15.00				Meter	
Total:-							


 Executive Engineer,
 Electrical Division,
 HPPWD., Una

DRAFT SCHEDULE OF QUANTITY

Job No. 10

Estimated Cost:- Rs. 1,60,702/-

Earnest money:- Rs. 3,200/-

Time Limit:- One year.

NAME OF WORK:- C/O Govt. High School Building at Bharpal, Tehsil Ghumarwin, Distt. Bilaspur, (H.P.) (SH:- Providing E.I. therein)						
Sr. No.	Description of Items	Quantity	Rate in Fig.	Rate in Words.	Unit	Amount
1	Wiring for light point/ fan point exhaust fan point call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required. Make:- Legrand(Myrius), L&T(entice), Anchor (Roma plus) as approved by Engineer-in-charge.					
i	Group C	50.00			Point	
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 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.					
i	Group C	1.00			Point	
3	Wiring for light power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surfacel recessed medium class PVC conduit alongwith 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required. Make:- KEI, Anchor, L&T as approved by Engineer -in charge.	30.00			P/mtr	

4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surfacel recessed medium class PVC conduit as required.KEI, Anchor ,L&T as approved by Engineer -in-charge.					
i	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	40.00				P/mtr
ii	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	8.00				P/mtr
5	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surfacel recessed steel/ PVC conduit as required.KEI, Anchor ,L&T as approved by Engineer -in-charge.					
i	3 x 1.5 sq.mm	30.00				P/mtr
6	Supplying and fixing of following sizes of PVC conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required:					
i	25 mm, dia	6.00				P/mtr
7	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in FRLSont including providing and fixing 3 pin 5/6 amps socket outlet and 5/6 amps piano type switch, connection, painting etc. as required. (For light plugs to be used in non residential buildings). Legrand(Myrius),L&T(entice), Anchor (Roma plus) as approved by Engineer-in-charge.	3.00				Each
8	Supplying and fixing metal box of 180mm x 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in FRLSont including providing and fixing 6 pin 5/6 & 15/16 amps socket outlet and 15/16 amps piano type switch, connection, painting etc. as required.Legrand(Myrius), L&T(entice), Anchor (Roma plus) as approved by Engineer-in-charge.	3.00				Each
9	Supplying and fixing brass batten/ angle holder including connection etc. as required.	8.00				Each

10	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 KA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make L&T, Legrand, Hegar as approved by Engineer-in-charge						
i	Single pole.6 Amp Cat-A.	9.00				Each	
ii	Single pole.16 Amp Cat-A.	3.00				Each	
11	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-Make L&T, Legrand, Hegar as approved by Engineer-in-charge.						
i	40 Amps. Cat-A.	2.00				Each	
12	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, Hegar as approved by Engineer-in-charge.						
i	40 A	2.00				Each	
13	MCB distribution board, 240 volts, on surfacel recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator Make L&T, Legrand, Hegar as approved by Engineer-in-charge.						
i	8 way. Double door	1.00				Each	
ii	12 way. Double door	1.00				Each	
14	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.						
i	25 mm.	10.00				P/mtr	

15	Providing Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required: Usha Tech plus ,Bajaj ultima, Havell velocity not less than three star as approved by Er-in-charge Usha Tech plus ,Bajaj ultima, Havell velocity not less than three star as approved by Er-in-charge.						
i	Ceiling Fan 1200 mm sweep	12.00				Each	
16	Supplying and fixing PVC batten/ angle holder including connections etc, as required.	8.00				Each	
17	Supplying and fixing LED. Lamp 9 watts E-27 base in the existing batten holder/pendent holder.	8.00				Each	
18	Providing and fixing of surface mounted Luminaire LED 22 Watt batten having high Quality design aluminium extruded decorative end caps with five year warranty and it should be compatible with specification i.e. Power Factor >.9, Harmonic Distortion <10% and efficacy 2100 Lumens per watt,CRI> 80 suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc.as required. Make :Panasonic (PBTNM17228) ,Philips, wipro or its equivalent as approved by Engineer-in-charge.	18.00				Each	
19	Supplying and fixing street light type LED 60 watt die cast Aluminium housing with frame and toughened glass, pipe mounting 5700k, (Five YEAR WARRANTY) and it should be compatible with specification e.i. Power Factor >.9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make - Panasonic (Model - PSTM22608)/Philips/wipro or its equivalent as approved by Engineer-in-Charge	3.00				Each	

20	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.	1.00			Each	
21	Providing and fixing 6 SWG (4 mm dia.) G.I. wire on surface or in recess for loop earthing as required.	25.00			P/mtr	
	TOTAL					


 Executive Engineer,
 Electrical Division,
 HPPWD., Una

DRAFT SCHEDULE OF QUANTITY

Job No. 11

Estimated cost:- Rs. 3,86,598/-

Earnest money:- Rs. 7,800/-

Time Limit:- Six Months.

Name of Work:-C/O Ware House for storage of EVM Machine & VVPATs at Bilaspur, in Distt. Bilaspur, H.P. (SH:-Providing Air Conditioners therein.)

Sr. No.	Description of Item	Qty	Rate in Fig.	Rate in words.	Unit	Amount
1	Supplying and fixing 1.5 ton inverter split type air conditioner Hot and Cold four star rating with voltage stabilizer 140V to 2900 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 3 mtrs 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:FTH50), O Genral/Mitsubi or equivalent as approved by the Engineer Charge.	2.00			Each	

2	Supplying and fixing 1.8/2.0 ton inverter split type air conditioner Hot and Cold four Star rating with voltage stabilizer 150 V TO 290 V, advanced filter, E saver mode, quiet mode, dual display, auto clean, anti bacteria filter jet Cool on/off timer sleep mode compressor cord less remote complete in all respect as per comprising to ISI with latest amendment suitable to operate on 230 volt /240 volt + 10 % AC supply capable to perform the function of cooling dehumidification air circulation ventilation and fitting in size of nominal cooling capacity and drain pipe 20 mm dia approximately 3mtrs long 2 nos copper pipe with insulator for inlet and outlet approximately 3 mtrs long and M.S power coated frame /stand for erection of out door unit of split type A.,C including carriage of material with in all leads and lift. Make - Daikin (model:FHT60), O Genral/Mitsubsi or equivalent as approved by the Engineer Charge.	3.00			Each	
Total:-						


 Executive Engineer,
 Electrical Division,
 HPPWD., Una

DRAFT SCHEDULE OF QUANTITY

Job No. 12

Estimated cost:- Rs. 1,67,632/-
Earnest money:- Rs. 3,400/-
Time Limit:- Six Months.

Name of Work:-Providing and fixing 2.0 ton capacity Air Conditioner in Election Office at Changer sector at Bilaspur Distt. Bilaspur.

Sr. No.	Description of Item	Qty	Rate in Fig.	Rate in words.	Unit	Amount
1	Supplying and fixing 1.8/2.0 ton inverter split type air conditioner Hot and Cold four Star rating with vlotage stablizer 150 V TO 290 V, advanced filter ,E saver mode , quit mode, dual display ,auto clean ,anti bacteria filter jet Cool on/off timer sleep mode compressor cord less remote complete in all respect as per comprising to ISI with latest amendment suitable to operate on 230 volt /240 volt + 10 % AC supply capable to perform the function of cooling dehumidification air circulation ventilation and fitting in size of nominal cooling capacity and drain pipe 20 mm dia approximately 3mtrs long 2 nos copper pipe with insulator for inlet and outlet approximatey 3 mtrs long and M.S power coated frame /stand for erection of out door unit of split type A.,C including carrigae of material with in all leads and lift.Make -Daikin (model:FTHT60), O Genral/Mitsubsi or equivalent as approved by the Engineer Charge.	2.00			Each	
TOTAL						


Executive Engineer,
Electrical Division,
HPPWD., Una

DRAFT SCHEDULE OF QUANTITY

Job No. 13

Estimated cost:- Rs. 72,092/-
Earnest money:-Rs. 1,500/-
Time Limit:- Six Months.

NAME OF WORK:- Providing and Fixing 1500 VA Invertor along with wiring for HPPWD Rest House Amb, Tehsil Amb, Distt. Una HP.						
Sr. No.	Description Of Items	Quantity	Rate in Fig.	Rate in words.	Unit	Amount
1	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required.					
i	1x1.5 Sq. mm	90.00			P/mtr.	
ii	2x4 Sq. mm	6.00			P/mtr.	
2	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 pin 15/16 amps socket outlet and 15/16 amps. piano type switchconnections, painting etc. as required.	1.00			Each	
3	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:					
i	Single pole. Cat-A.	1.00			Each	
4	Supplying and fixing of following sizes of steel conduit along with the accessories in surface / recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required:					

i	25 mm. dia	6.00			P/mtr.	
5	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.	1.00			Each	
ii	5 pin 5/6 Amps socket outlet, porcelain base/ piano type.	1.00			Each	
6	Supplying and fixing of Luminous Zelio WiFi1700 Inverter sinewave and 2 nos. RC18000 150Ah battery Luminous make,code No RC 18000 150Ah Tubular Battery complete with Wifi enabled Remote App Monitoring connections, etc, as required. Technical Specifications: Inverter System 12 volt, 1260 watt, capacity 1500VA, Battery System 12 volt Capacity 150 Ah, Tall tubular battery, Sine wave Inverter, DIGITAL DISPLAY, intelligent 32 bit DSP processor battery USP Protection overload deep discharge, short circuit, Reverse polarity and input mains protection through MCB	1.00			Each	
7	Replacement of 12 volts battery Luminous make, code no. RC 18000 Tubular type A.H. rating 150 for inverter complete with connections etc. as required.	1.00			Each	
		Total:-				


Executive Engineer,
Electrical Division,
HPPWD., Una

DRAFT SCHEDULE OF QUANTITY

Job No. 14

Estimated cost:- Rs. 93,450/-

Earnest money:- Rs. 1,900/-

Time One year.

Name of work:- A/R & M/O of various type and different capacity of Air Conditioners installed in various N.R Govt. buildings under Electrical Sub-Division HP.PWD
Una (Amb & bangana Section) for the year 2021-2022 (w.e.f. 1/3/2022 to 28.02.2023)..

Sr. No.	Description of Item	Quantity	Rate in Fig.	Rate in Words.	Unit	Amount
1	Annual , Repair & maintenance (Routine & preventive) of various makes/types and different capacity Split AC's with four numbers mandatory quarterly services and all emergency break down services as and when required from time to time as per the best satisfaction of Engineer-in-charge.					
i	The AMC will include the following:- Compress, Thermostat Relay, OLP, Fan Motors, Timers, Heaters, Air dampers, Ice maker, temperature sensors, Evaporators, Condensers, Refrigerant charging Driers Capillary Blowers, Fan Blade Control box, Magnetron, Electrical switches, Transformers (internal), Diodes, Capacitors, Wire hairness, Wash, & Spin motors Gear box Clutch assembly Drum Inner Bellows bears & Lip seal (Drain motor Pump, Electrical valves, Buzzer Suspension Key Members Remote PCB including cost of their replacement.					
ii	All defective components shall be replaced with compatible working parts and defective parts shall be company's/firm,/Contractor's property.					
iii	Split type A.C 1.5ton capacity.	21			Each	
		Total:-				


Executive Engineer,
Executive Engineer,
HPPWD., Una

DRAFT SCHEDULE OF QUANTITY

Job No. 15

Estimated cost:- Rs. 1,34,112/-

Earnest money:- Rs. 2,700/-

Time Limit :-One year.

NAME OF WORK:- C/O Additional accomodation 2 nos. Class room in Ground Floor at Govt. High School Balh, in Tehsil Bangana, Distt Una, (HP) (SH):- Providing E.I. therein)

Sr. No.	Description of Items	Quantity	Rate in Fig.	Rate in Words.	Unit	Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq.mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit and earthing the light point with 1.5 sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required (Make:-Legrand (Myrius). L&T(Oris/Entice), Anchor(Roma plus).SSK					
i	Group C	31.00	Points		P/Point	
2	Wiring for twin control light point with 1.5 sq.mm FRLSPVC insulated copper conductor single core cable insurface / recessed steel conduit, 2 way piano type switch, phenolic laminated sheet suitable size MS box . and earthing the point with 1.5 sq.mm FRLS PVCinsulated copper conductor single core cable etc. as required. (Make:-Legrand (Myrius).L&T(Oris/Entice) Anchor(Roma plus).SSK					
i	Group C	2.00	Points		P/Point	
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. (Make:KEI, Anchor SSK)	40.00	Metre		P/mtr	
4	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 NO.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required.(Make:-KEI, Anchor, SSK)					
i	2x6.0 Sq.mm.	5.00	Metre		P/mtr	
5	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required. (Make:-KEI,Anchor, SSK)					
i	3x1.5 Sq.mm.	22.00	Metre		P/mtr	

6	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps, piano type switch, connections, painting etc. as required. (Make:- Legrand (Myrius), L&T (Oris/Entice), Anchor (Roma plus) SSK	2.00	Nos			Each	
7	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:						
i	Single pole. Cat-A. Makes:- L&T/LeGrand/Schneider.	4.00	Nos			Each	
8	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required						
i	40 Amps. Cat-A. Makes:- L&T/LeGrand/Schneider	1.00	Nos			Each	
9	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit (RCCB), having a sensitivity current up to 300 milliamps in the existing MCB DB complete with , testing and commissioning etc. as required.						
i	40 Amps. Cat-A. Makes:- L&T/LeGrand/Schneider	1.00	Nos			Each	
10	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board. 240 volts, on surface / recess, complete with tinned copper bus- bar, wire-set, neutral link, earth bar, din-bar. detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and						
i	Double door 8 way. Makes:- L&T/LeGrand/Schneider.	1.00	Nos			Each	
11	Providing Installation testing and commissioning of ceiling fan with socket size modular steo type electronic fan regulator including wiring the down rods of standard length (Up to 20 cm) with 16/0.20 mm twin twisted flexible, cotton braided copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required.						
i	Ceiling Fan 1200 mm sweep. Category-A Makes:- Usha Technic plus 3star/Bajaj Three Star.	8.00	Nos			Each	
12	Supplying and fixing surface mounting Square type LED 20 Watt (2200 lumen), 4000K and it should be compatible with specifications i.e. power factor 2 0.9, harmonic distortion = 10% and efficacy z 100 lumens per watt. CRI > 80, suitable for input voltage AC 220-240V, 50/60 Hz complete with all accessories, connections, testing and commissioning etc. complete with all accessories, connections, testing and commissioning etc. as required complete in all respects. Including five years warranty as required.						
i	Cat No PDL M11206BS (Square 20 W) Mipro/Philips/Jaquar or Equivalent	6.00	Nos			Each	

13	Providing and fixing decorative extruded tube fixture having high quality design suitable for LED tube up to 36 Watt (3960 lumen) 4000K and it should be compatible with specifications i.e. power factor 2 0.9, harmonic distortion < 10% and efficacy > 100 lumens per watt, CRI > 80, suitable for input voltage AC 220/240V. 50/60 Hz, including one no. tube rod 36 Watt complete with all accessories, connections, testing and commissioning etc. as required. Including five years warranty as required.								
i	Cat No :-Panasonic(PBTM08368-36W-Tube Light 4 Feet Long/ Wipro/ Philips /Jaquar or equivalent.	16.00	Nos					Each	
14	Providing and fixing following type of Flood Light 50 Watts (5500 Lumens),5700K mounting luminaire with powder coated CRCA sheet steel housing, diffuser to avoid glare, pre-wired with, starter, trigger circuit, surge protection circuit lumen output of 100 lumens per watt complete with all accessories, connections, testing and commissioning etc. as required.Including five years warranty as required.							Each	
i	Cat No :-Panasonic(PFLM11508-50Watts)/Jaquar/Wipro/Philips or equivalent.	2.00	Nos					Per Set	
15	Earthing with copper earth plate 600 mmx600 mmx 3 mm thick, including accessories and provideEarthing 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	Sets					Per Set	
16	Extra for using salt and charcoal for pipe earth electrode complete as required.	1.00	Sets					P/mtr	
17	Providing and fixing 6 SWG (4 mm dia) G.I. wire on surface or in recess for loop earthing as required.	20.00	Metre						
	TOTAL								

[Signature]
 Executive Engineer,
 Electrical Division,
 HPPWD., Una

Job No. 16

DRAFT SCHEDULE OF QUANTITY

Estimated cost:- Rs. 2,99,981/-
Earnest money:- Rs. 6,000/-
Time Limit:- Six months.

Name of work:- C/O Atal Aadarsh Vidyalaya at Mohal Gaihra Dhanet in Tehsil Bangana Distt. Una (H.P.) (SH:- Supplying & laying Steel conduit Ground Floor & Block B therein)						
Sr. No.	Description of Items.	Quantity	Rate In Fig.	In words.	Unit	Amount
1	Supplying and fixing of following sizes of steel conduit along with the accessories in surface / recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required:-					
i	25 mm dia.	980.00 Metres			P/Mtr.	
2	Supplying and fixing of following sizes of PVC conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required:-					
i	25 mm dia.	100.00 Metres			P/Mtr.	
3	Supplying and fixing of G.U.I. Mouldar boxes of following sizes alongwith mouldar base and cover plate for mouldar switches in recess as required :- Gold medal make.					
i	2 Modules (78mmx78mmx50mm).	60.00 Numbrs			Each	
ii	4 Modules (140mmx78mmx50mm).	39.00 Numbers			Each	
iii	12 Modules (205mmx135mmx60mm).	50.00 Numbers			Each	
4	Supplying and fixing of MS fan box fabricated out of 16 SWG MS sheet and MS round of 12mm dia s required complete in all respects.	121.00 Numbers				
	Total:-					


Executive Engineer,
Electrical Division,
HPPWD. Una