



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

No.PW/EDU/CB//TA/tender/2022-23/-

4196-4226

Dated:-

20/8/2022

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 **31.08.2022**, 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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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 **03.09.2022** 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 authorized 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 **01.09.2022** 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 **01.09.2022** 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.	Replacement of E.I. In D.C. Residence at Bilaspur (H.P.) (Guard Room, Chowkidar room, Garage & Store)	1,19,267/-	2,400/-	Six Months.	350/-	D
2.	C/O Administrative Block for Govt . Polytechnic Kalol, Tehsil Jhandutta, Distt. Bilaspur, (H.P.) (SH:- Supplying and laying conduit pipe therein)	96,660/-	2,000/-	Six Months.	350/-	D
3.	C/o 50 Bedded Hospital at Shri Naina Devi Ji, in Distt. Bilaspur, (H.P) (SH:- Providing and Laying Conduit pipe therein)	1,91,100/-	3,800/-	Six Months.	350/-	D
4.	C/o Health Sub-Centre Building with Delivery room & residence at Kasol, in Distt. Bilaspur, (HP) (SH:- Providing E.I. therein).	2,10,940/-	4,300/-	One Year	350/-	D
5.	C/o Health Sub-Centre Building with Delivery room & residence at Pater in Distt. Bilaspur, (HP) (SH:- Providing E.I. therein).	2,10,940/-	4,300/-	One year	350/-	D
6.	Providing and Installation of 3 Nos. Split type 1.5 ton A.C (Hot & Cold) in VIP Suit at HP.PWD Rest House Bijhar, Deot Sidh, and set No. 4 at HPPWD., Rest House Barsar, Distt. Hamirpur, (HP).	2,08,643/-	4,200/-	Six Months.	350/-	Specialized Job
7.	C/o Mini Stadium and boundary wall of the playground at Govt. Model Sr. Sec.	4,56,197/-	9,200/-	One year	350/-	C

	School Behdala, Distt. Una, (HP) (SH :- Providing E.I. therein)					
8	C/o Toilet block in Govt. S. S. School (Girls) Una, Tehsil & Distt. Una (H.P) (SH :- Providing E.I. therein)	1,10,081/-	2,200/-	Six Months.	350/-	D
9.	C/o Mini Outdoor Stadium and Boundary wall of the playground at Govt. Middle School Jalgrano, (Tabba) Distt. Una, (SH:- Providing E.I. therein).	4,40,244/-	8,800/-	One year	350/-	C
10.	Repair and replacement of compressor and services of A.C. in Elect. Division HPPWD., Una & various Rest House under ESD Una.	98,050/-	2,000/-	One year	350/-	Specialized Job
11.	C/o Helipad at Chintpurni, Sub-Tehsil Bharwain, Distt. Una, (H.P) (SH:- Providing E.I. therein)	1,37,708/-	2,800/-	Six Months.	350/-	D
12.	C/o 4 Nos. Class room with varandah at Govt. S. S. S. Sanoli, Distt Una, (HP) (SH:- Providing E.I. therein)	2,98,327/-	6,000/-	One year	350/-	D
13.	Providing wiring and accessories in Store and Drawing branch (HDM Cabin) (B&R) Division, HPPWD., Una.	32,854/-	700/-	Six Months	350/-	D
14.	Replacement of LED down Lighter, Ceiling fans, Street Light & Sub-Main etc. in PWD Rest House Haroli, Distt. Una, (HP).	64,375/-	1,300/-	Six Months	350/-	D
15.	C/o Rest House at Uhal, Tehsil Tauni Devi, District Hamirpur, (HP) (SH:- Providing 3 Nos. A.C (1.5 Ton and 2.00 Ton) therein).	2,83,313/-	5,700/-	Six Months	350/-	Specialized Job
16.	C/o J.E. office cum residence at Bharmeli, Distt. Hmairpur, (HP) (SH:- Providing E.I. therein).	3,81,964/-	7,700/-	Six Months	350/-	C
17.	Replacement of E.I. to Chenab hostel (Ground floor) in Sainik School at Sujampur Tihra, Distt. Hmairpur (HP) (Revised estimate)	1,96,645/-	4,000/-	Six Months	350/-	D
18	Supplying, Installation, Testing and Commissioning One No. 2 KVA inverter in ADM earmarked residence Hamirpur Distt. Hamirpur, (H.P).	58,703/-	1,200/-	Six Months	350/-	D
19	C/o Atal aadarsh Vidyalaya at Mohal Gaihra Dhanet in Tehsil Bangana, Distt. Una (HP) (SH:- Supplying & laying Steel conduit 1 st Floor therein)	2,99,541/-	6,000/-	Six Months	350/-	D
20	C/o Sub-Tehsil Building at Bihru Kalan, in Tehsil Bangana, Distt. Una, (SH:- Supplying and laying of steel conduit in Ground floor).	99,989/-	2,000/-	Six Months	350/-	D

21	Running and Maintenance of E.I. in various Govt. building in Distt. Una (HP) (SH:- Engagement of Peon in the Executive Engineer, Electrical Division HPPWD., Una w.e.f. Six months from awarded date	1,01,920/-	2,100/-	Six Months	350/-	D
22	Providing services of Electrician/Tech. Gr.-II, for attending complaints/repair & maintenance in various Govt. residential buildings Rakkar Colony, under Electrical Sub-Division, HPPWD., Una w.e.f. Seven months from awarded date	1,19,356/-	2,400/-	Seven Months	350/-	D
23	Providing services of Electrician/Tech. Gr.-I, for attending complaints/repair & maintenance in various Govt. Non-residential buildings at Electrical Section Amb., under Electrical Sub-Division, HPPWD., Una w.e.f. Seven months from awarded date	1,63,876/-	3,300/-	Seven Months	350/-	D
24	Providing and fixing copper pipe PVC pipe and PVC copper wires etc. for Split type A.C. in HPPWD., Circuit House Una, Distt. Una (HP)	3,24,700/-	6,500/-	Six Months	350/-	Specialized Job
25	C/o Hall on First floor of Dormitory at Rest House Bhoranj, Tehsil Bhoranj, Distt. Hamirpur, (HP) (SH:- Providing 2 Nos. Split type 1.8/2.0 ton A.C. (Hot and cold) therein).	1,65,360/-	3,300/-	Six Months	350/-	Specialized Job
26	C/o 4 Nos. Class room with Verandha & Stair at Govt. Sr. Sec. School at Manoh, Tehsil Bhoranj, Distt. Hamirpur (HP)	1,28,006/-	2,600/-	One year	350/-	D
27	C/o Veterinary Hospital at Malhot, Tehsil Gumarwin, Distt. Bilaspur (HP) (SH:- Providing E.I. therein).	92,994/-	1,900/-	One year	350/-	D
28	A/R & M/O of various type and different capacity of air conditioner installed in various N.R. Govt. building under Electrical Sub-Division HPPWD., Bilaspur for the year 2022-23 w.e.f. (01.07.2022 to 30.06.2022)	1,86,900/-	3,800/-	One year	350/-	Specialized Job
29	Replacement of E.I. in PWD Quarter set no. 1 & 2 (Old building Assistant Engineer residence) near SDM office Ghumarwin, Distt. Bilaspur (HP).	1,73,620/-	3,500/-	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.
6. The eligible Contractor/Firm should performance certificate for specialized jobs as required.
7. The tendered amount should be within the limit of (+) 5% to (-) 10% notification dated 07.10.2021 shall be applicable for Bid price lower than -10% and more than + 5%.

HIM SUCHANA AVAM JANSAMPARK


Executive Engineer,
Electrical Division
HPPWD, Una

**HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT**

*** CORRIGENDUM ***

The tender for **Job No. 01 to 29** called vide this office Letter No. PW/EDU/CB/TA/e-tender/2022-2023/- 4196-4226 dated 20.08.2022, and also send to published in Giri Raj on or before **31.08.2022**. The applications for these tender to be received in this office on **01.09.2022 up to 1:00 P.M.** and to be sold on 01.09.2022 from 1:00 P.M. to 5:00 P.M. and the financial bid of which to be opened on **03.09.2022 at 11.00 A.M.** Out of which **Job No. 12** for the work:- C/o 4 Nos. Class room with varandah at Govt. S. S. S. Sanoli, Distt Una, (HP) (SH:- Providing E.I. therein) is hereby cancelled due to administrative reason. Rest of terms and conditions shall remain unchanged.

HIM SUCHANA AVAM JAN SAMPARK


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

No-PW/EDU/CB/TA/Tender/2022-2023/-

4256-76

Dated:- 22/08/2022

Copy forwarded to the following for information and necessary action:-

1. The Superintending Engineer 2nd Electrical Circle HPPWD Dharamshala.
2. All the Assistant Engineers working under this Division.
3. All the Head of branches of this office.
4. Notice Board.


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

SCHEDULE OF QUANTITY

Job No. 01

Estimated Cost:- Rs. 1,19,267/-
 Earnest Money:- Rs. 2,400/-
 Time Limit:- Six Months.

Name of work :- Replacement of E.I. in D.C. Residence at Bilaspur H.P. (Guard Room, Chowkidaar Room, Carriage & Store)						
Sr. No.	Description of Items	Qty.	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 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					
1.01	Group C	30.00	Point			
2	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc as required Make -Anchor (Roma classic), L&T (Intrice) Legrand (Myrius) or as approved by Engineer-in-charge	8.00	Each			
3	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc as required Make -Anchor (Roma classic), L&T (Intrice) Legrand (Myrius) or as approved by Engineer-in-charge	6.00	Each			
4	Wiring for circuit/submain wiring along with earthing with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required Make -Plaza-KEI, Finolex or its equivalent as approved by Engineer-in-charge					
4.01	2 X 1.5 sq mm + 1 X 1.5 sq mm earth wire	35.00	Meter			
4.02	2 X 4 sq mm + 1 X 4 sq mm earth wire	50.00	Meter			
4.03	4 X 4 sq mm + 2 X 4 sq mm earth wire	20.00	Meter			

4.04	2 X 6 sq. mm + 1 X 6 sq. mm earth wire		15.00	Meter			
5	Supplying and fixing batten/ angle holder including connection etc. as required Make - Anchor (Roma classic),L&T(Entice),Legrand(Myrias) or its equivalent as approved by Er In-Charge		8.00	Each			
6	Providing and fixing of following type surface mounted Luminaire LED batten having high Quality design aluminium extruded decorative end caps and it should be compatible with specification i.e Power Factor > 0.9, Harmonic Distortion > 15% and efficiency > 100 lumens per watt, CRI > 80 suitable for input voltage AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc as Make Philips,Parasone Jaquar or its equivalent as approved by Engineer-in -charge (		4.00	Each			
6.01	22 watt.						
7	Supplying and fixing street light type LED 25 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 > 0.9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc Make - Panasonic (Model -PSTM278)/Philips/wipro or its equivalent as approved by Engineer-in-Charge		2.00	3086			
8	Providing and installation exhaust fan of 300 mm light duty (Domestic type) in the existing opening,including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc as required Make Usha,Bajaj) Crompton or its equivalent as approved by Engineer-in-charge		3.00	Each			
9	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/recess, complete with tinned copper bus bar, neutral busbar, earth bar, din bar, interconnections, powder painted including earthing etc as required (But without MCB/RCCB/Isolator) Make L&T ,Legrand, Hager or its equivalent as approved by Engineer-In-Charge		1.00	Each			
9.01	MCB DB 12 W AY						
10	Supplying and fixing 5 amps - 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc as required)Make L&T, Hager, ABB or its equivalent as per best satisfaction of Engineer-in -charge						
10.01	Single pole		10.00	Each			

11	Supplying and erection of 40/50/63 amps, 10 KA breaking capacity, 240 volts, "C" curves, miniature circuit breaker of pole Double pole in the existing MCB DB complete with connections etc as required - Make L&T, Hager/ABB or its equivalent as approved by Engineer-in-charge	1.00	Each		
12	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc as required Make :-Anchor (Roma classic), L&T(Entrace) Legrand(Myrius) or its equivalent as approved by Engineer-in-charge	5.00	Each		
Total:-					


 Executive Engineer,
 Electrical Division,
 HPPWD, Una.

SCHEDULE OF QUANTITY

Job No. 02

Estimated Cost:- Rs. 96,660/-
 Earnest Money:- Rs. 2,000/-
 Time Limit:- Six Months.

Name of work :- C/O Administrative Block for Govt. Polytechnic Kalol, Tehsil Jhandutta, Distt. Bilaspur, (H.P.) (SH:- Supplying and laying conduit pipe therein.)						
Sr. No.	Description	Quantity	Unit	Rate in Fig.	Rate in Words.	Amount
1	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.					
1.01	25 mm. dia	300.00	P/mtr.			
2	Supplying and fixing of following sizes of PVC conduit along with accessories insurface/recess including painting in case of surface conduit, or cutting the walland making good the same in case of recessed conduit as required.					
2.01	25 mm. dia	160.00	P/mtr.			
Total :-						


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

SCHEDULE OF QUANTITY

Job No. 03

Estimated cost:-
Rs. 1,91,100/-
Earnest money:-
Rs. 3,800/-
Time Limit:-
Six months.

Name of work : - C/O 50 Bedded Hospital at Shri Naina Devi JiDistt. Bilaspur. (H.P.) (SH):- Supplying and laying conduit pipe there in.)

S. No.	Description	Quantity	Rate In Fig.	In Words.	Unit	Amount
1	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required. Make:- BEC,AKG NIO or its equivalent make as approved by the Engineer-in-charge.					
1.01	25 mm. dia	600			P/mtr.	
2	Supplying and fixing of following sizes of PVC conduit along with accessories insurface/recess including painting in case of surface conduit, or cutting the walland making good the same in case of recessed conduit as required.					
2.01	25 mm. dia	300			P/mtr.	
	Total :-					


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

SCHEDULE OF QUANTITY

Job No. 4

Estimated Cost:- Rs. 2,10,940/-
Earnest Money:- Rs. 4,300/-
Time Limit:- One Year

NAME OF WORK :- C/O Health Sub-Centre Building with Delivery room & residence at Kasol, in Distt. Bilaspur, (H.P) (SH :- Providing E.I. therein)						
Sr. No.	Description	Quantity	Unit	Rate in Fig.	Rate in Words.	Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.(Finolex,KEI,Anchor,I&T make)					
1.01	Group A.	16.00	Each			
1.02	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 PVC conduit along with 1 No.1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.(Finolex,KEI,Anchor,I&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 PVC conduit along with 1 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.(Finolex,KEI,Anchor,I&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 PVC conduit along with 2 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.(Finolex,KEI,Anchor,I&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 PVC conduit along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required.(Finolex,KEI,Anchor,I&T make)					

5.01	2x1.5 Sq. mm.		48.00	P/mtr.			
5.02	2x10 Sq. mm.		4.00	P/mtr.			
6	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required (Finolex,KEI,Anchor,L&T make)						
6.01	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.						
7.01	S.P. 5/ 6 Amps one way switch, piano type.		4.00	Each			
7.02	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:-						

12.01	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:-						
13.01	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.						
14.01	63 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:-						
15.01	Double door-12 way		1.00	Each			
15.02	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 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, air delivery 215 m3/min power input 30 watts speed 330 RPM, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required:- (Usha-Technix plus BEE 3 Star rated model) or its equivalent make)					
19.01	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 Jaquor make glazed LED batten Cat.No LGLZ01X024XX 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)					
24.01	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, pendant 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.

SCHEDULE OF QUANTITY

Job No. 05

Estimated Cost:- Rs. 2,10,940/-
Earnest Money:- Rs. 4,300/-
Time Limit:- One year.

NAME OF WORK :- C/o Health Sub-Centre Building with Delivery Room & Residence at Pater, in Distt. Bilaspur, (H.P) (SH :-Providing E.I.therein)						
Sr. No.	Description	Quantity	Unit	Rate in Fig.	Rate in Words.	Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC 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)					
1.01	Group A.	16.00	Each			
1.02	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 PVC 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 PVC 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 PVC 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 PVC 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)					

5.01	2x1.5 Sq. mm.		48.00	P/mtr.			
5.02	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, KEL, Anchor, L&T make)						
6.01	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						
7.01	S.P. 5/ 6 Amps one way switch, piano type.		4.00	Each			
7.02	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:-					
12.01	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:-					
13.01	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 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
14.01	63 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:-					
15.01	Double door-12 way	1.00	Each			
15.02	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 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, 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)					
19.01	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/pendant mounting Tube fixture 24 watts Jaquor make glazed LED batten Cat No. LGLZ01X024XXN 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 RPM ISI or its Equivalent make)					
24.01	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, pendant 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 watt, 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/Jaques/Tisva make)	2.00	Each			
Total:-						


 Executive Engineer,
 Electrical Division,
 HPPWD, Una.

SCHEDULE OF QUANTITY

Job No. 06

Estimated Cost:-
Rs.2,08,643/-

Earnest Money:-
Rs. 4,200/-

Time Limit:-
Six Months

Name of Work:- Providing and Installation of 3 Nos. Split type 1.5 ton A.C (Hot & Cold) in VIP Suit at HP.PWD Rest House Bijhar, Deot Sidh, and set No. 4 at HPPWD., Rest House Barsar, Distt. Hamirpur, (HP).

Sr. No.	Description of Items	Quantity	Unit	Rate in Fig.	Rate in Words.	Amount
1	Supplying and fixing 1.5 ton inverter split type air conditioner Hot and Cold with voltage stabilizer 140v to 280 v , advanced filter ,E saver 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 approximate 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:FTHT50), O General/Mitsubishi or equivalent as approved by the Engineer Charge.	3.00	Each			
2	Supplying and fixing suitable G.I box with modular plate and cover in front on surface or in recess including providing and fixing 6 pin 5/6 amps & 15/16 amp modular socket outlet and 15/16 amps, modular switch, connections etc. as required. Make:- Legrand(Myrius), L&T(ertice), Anchor (Roma Classic) as approved by Engineer-in -charge.	1.00	Each			
3	Supplying and drawing following size of FRLS PVC insulated copper conductor single core cable in existing surface / recessed, Steel/medium class PVC conduit as required. Make:- KEI, Anchor, Plaza as approved by Engineer-in-charge					
3.01	3x4.0 Sq. mm.	15.00	Meter			
4	Supplying and fixing of following sizes of medium class 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/Polyfit or its equivalent as approved by Engineer-in -charge.					
4.01	25 mm. dia	15.00	Meter			
Total:-						


Executive Engineer,
Electrical Division,
HPPWD., Una

SCHEDULE OF QUANTITY

Job No. 07

Estimated Cost:- Rs. 4,56,197/-
Earnest Money:- Rs. 9,200/-
Time Limit:- One Year

Name of work:- C/o Mini Stadium and boundary wall of the playground at Govt. Model Sr. Sec. School Behdala, Distt. Una, (HP) (SH :- Providing E.I. therein)					
Sr. No.	Description	Quantity	Unit	Rate in Fig.	Rate in words.
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (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)				
1.01	Group C.	45.00	Each		
2	Wiring for power plug with 2x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.4 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 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)				
3.01	2x1.5 Sq. mm.	62.00	P/mtr.		
4	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)				
4.01	3x1.5 Sq. mm.	36.00	P/mtr.		
5	Supplying and fixing following rating Piano-type switch /socket on the existing switch box / cover including connections etc. as required				

5.01	S.P. 5/ 6 Amps one way switch, piano type.	4.00	Each			
5.02	5 pin 5/ 6 Amps socket outlet, porcelain base/ piano type.	4.00	Each			
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 6 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc. as required.	1.00	Each			
7	Supplying and fixing bakelite batten/angle holder including connections etc. as required:- (SSK, Anchor make)	4.00	Each			
8	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:-					
8.01	6 Amps Single pole. Cat-A.	6.00	Each			
8.02	16Amps Single pole. Cat-A.	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:-					
9.01	Double pole. Cat-A.	1.00	Each			
10	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					
10.01	40 Amps. Cat-A.	1.00	Each			
11	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with timed copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:-					

11.01	Double door-12 way	1.00	Each			
12	Earthing with G.I earth pipe 4.5 mtr. long and 40mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required.	1.00	P/set			
13	Extra for using salt and charcoal for pipe earth electrode complete as required.	1.00	P/set			
14	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	30.00	P/mtr.			
15	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)					
15.01	Ceiling Fan 1200 mm sweep, Category-A	1.00	Each			
16	Supplying and fixing Fan box of M.S.sheet with iron rod hook 12 mm in place of junction box complete as required.	1.00	Each			
17	Supplying and fixing Step type fan regulator (Socket type) 100 watts on the existing switch box/cover complete making connections etc.as required (SSK/Anchor or its equivalent make)	1.00	Each			
18	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	2.00	Each			
19	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)					

19.01	Exhaust Fan, Heavy duty, 300 mm sweep	2.00	Each			
20	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)	2.00	Each			
21	Supplying and fixing LED Lamp 9 watts 6500 K E-27, 900 Lumens 240 volts AC supply 50 HZ in the existing batten holder, pendant holder, wall bracket & bulk head fitting etc, as required (Tisva cat. No. AL946611X/Panasonic/Philips make)	4.00	Each			
22	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. No. L20-111-XX-65NE3 or Equivalent in Philips BN 021 LED10S- 6500 PSU GR S1 or Trilux TRL-X F OTA 2000-857 ET or LT	1.00	Each			
23	S/F of wall fan 600 mm sweep Air Circulator Havells make on the existing wall complete with connections etc, as required.	5.00	Each			
24	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)	12.00	Each			
25	Providing and fixing LED surface/pendent mounting Tube fixture 24 watts Jaquar make glazed LED batten Cat.No.LGLZ01X(024XN high quality design aluminium extruded decorative end caps as per best satisfaction of Engineer-in-Charge complete as required.	5.00	Each			
26	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.	150.00	P.mtr.			
27	Supplying and fixing Recess mounting LED 30 watts high power round LED down light with anodised aluminium reflector for high efficiency Twinkle make Cat.No.Lux Max-COB-30 complete with connections etc, as required.	18.00	Each			
28	S/F G.I pipe 75 mm dia 6 mtr. long with clam on the existing wall etc as required.	6.00	Each			
Total:-						


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

SCHEDULE OF QUANTITY

Job No. 08

Estimated Cost:- Rs. 1,10,081/-
 Earnest Money:- Rs. 2,200/-
 Time Limit:- Six Months.

NAME OF WORK:- C/O Toilet block in Govt.S.S. School (Girls) Una, Tehsil & Distt. Una, (HP) (SH :-Providing E.I. therein)						
Sr. No.	Description	Quantity	Unit	Rate in Fig.	Rate in words.	Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit with P/T switch and earthing the light point with 1.5 Sq. mm. HRFRLS/PVC insulated single core copper conductor cable as required. (Finolex,KEI,Anchor,I&T make)					
1.01	Group C.	36.00	Each			
2	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required.(Finolex,KEI,Anchor,I&T make)					
2.01	2x1.5 Sq. mm.	60.00	P/mtr.			
2.02	2x4 sq.mm.	15.00	P/mtr.			
3	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,I&T make)					

3.01	3x1.5 Sq. mm.		40.00	P/mtr.			
4	Supplying and fixing bakelite batten/angle holder including connections etc. as required:- (SSK,Anchor make)		28.00	Each			
5	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:- (Haggar,ABB,I&T make)						
5.01	Single pole. 6 Amps.Cat-A.		4.00	Each			
6	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:- (Haggar,ABB,I&T make)						
6.01	Double pole. 40 Amps Cat-A.		1.00	Each			
7	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. (Haggar,ABB,I&T make)						
7.01	40 Amps. Cat-A.		1.00	Each			
8	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,I&T make)						
8.01	Double door-8 way		1.00	Each			

9	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)					
9.01	Exhaust Fan, Heavy duty, 300 mm sweep	4.00	Each			
10	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			
11	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.	4.00	Each			
12	Supplying and fixing LED Lamp 9 watts 6500 K E-27 900 Lumens 240 volts AC. supply 50 HZ in the existing batten holder, pendent holder, wall bracket & bulk head fitting etc, as required. (Tisva cat. No.AL946611X/Panasonic/Philips make)	28.00	Each			
Total :-						


 Executive Engineer,
 Electrical Division,
 HPPWD., Una.

SCHEDULE OF QUANTITY

Job No. 09

Estimated Cost:- Rs. 4,40,244/-
 Earnest Money:- Rs. 8,800/-
 Time Limit:- One Year.

NAME OF WORK :- C/o Mini Outdoor Stadium and Boundary wall of the playground at Govt. Middle School Jalgrano, (Tabba) Distt. Una, (SH:- Providing E.I. therein).						
Sr. No.	Description	Quantity	Unit	Rate in Fig.	Rate in words.	Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit and earthing the light point with 1.5 Sq. mm. HRFRLS/PVC insulated single core copper conductor cable as required.(Finolex,KEI,Anchor,L&T make)					
1.01	Group C.	49.00	Each			
2	Wiring for power plug with 2x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.4 Sq. mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required. (Finolex,KEI,Anchor,L&T make)	20.00	P/mtr.			
3	Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.4 Sq. mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required. (Finolex,KEI,Anchor,L&T make)	10.00	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.(Finolex,KEI,Anchor,L&T make)					
4.01	2x1.5 Sq. mm.	55.00	P/mtr.			

5	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required.(Finolex,KEI,Anchor,L&T make)					
5.01	3x1.5 Sq. mm.	30.00	P/mtr.			
6	Supplying and fixing following rating Piano-type switch /socket on the existing switch box / cover including connections etc. as required.					
6.01	S.P. 5/6 Amps one way switch, piano type.	3.00	Each			
6.02	5 pin 5/6 Amps socket outlet, porcelain base/ piano type.	3.00	Each			
7	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps, piano type switch, connections, painting etc. as required.	2.00	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 6 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc. as required.	2.00	Each			
9	Supplying and fixing bakelite batten/angle holder including connections etc. as required: (SSK,Anchor make)	10.00	Each			
10	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:-					
10.01	6 Amps.Single pole. Cat-A.	5.00	Each			
10.02	16Amps Single pole. Cat-A.	2.00	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:-					
11.01	Double pole. Cat-A.	4.00	Each			

12	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
12.01	40 Amps. Cat-A.	1.00	Each			
13	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:-					
13.01	Double Door-4 way	2.00	Each			
13.02	Double door-12 way	1.00	Each			
14	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			
15	Extra for using salt and charcoal for pipe earth electrode complete as required.	1.00	P/set			
16	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	30.00	P/mtr.			
17	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)					
17.01	Ceiling Fan 1200 mm sweep, Category-A	2.00	Each			
18	Supplying and fixing Fan box of M.S. sheet with iron rod hook 12 mm. in place of junction box complete as required.	2.00	Each			

19	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)	2.00	Each				
20	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	2.00	Each				
21	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required:- (Usha - SPH Turbo HDEF 900 RPMISI or its Equivalent make)						
21.01	Exhaust Fan, Heavy duty, 300 mm sweep	4.00	Each				
22	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				
23	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)	10.00	Each				
24	Supply and fixing of 2ft Led Batten 10 W surface mounted with polycarbonate diffuser and with extruded aluminium housing/polycarbonate housing. The Input voltage range shall be 150V to 270V . Driver Output voltage shall be less than SELV Limits for safe operation and maintenance.Wipro Cat. No.LL20-111-XX-65NE3 or Equivalent in Philips : BN 021 LED10S- 6500 PSU GR S1 or Trilux:TRL-X F OTA 2000-857 ET or S/F of wall fan 600 mm.sweep Air Circulator Havells make on the existing wall complete with connections etc.as required.	4.00	Each				
25	S/F of wall fan 600 mm.sweep Air Circulator Havells make on the existing wall complete with connections etc.as required.	5.00	Each				
26	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-MIB-120/or its equivalent make)	10.00	Each				
27	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.	2.00	Each				

28	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.	150.00	P/mtr.			
29	Supplying and fixing Recess mounting LED 30 watts high power round LED down light with anodised aluminium reflector for high efficiency Twinkle make Cat.No.Lux Max-COB-8-30 complete with connections etc, as required.	16.00	Each			
Total:-						


 Executive Engineer,
 Electrical Division
 HPPWD, Una

SCHEDULE OF QUANTITY

Job No. 10

Estimated Cost:- Rs. 98,050/-
Earnest Money:- Rs. 2,000/-
Time Limit:- One year.

Name of work:- Repair and replacement of compressor and services of A.C. in Elect. Division HPPWD., Una, & various Rest House under ESD Una.						
Sr. No.	Description of Items.	Quantity	Unit	Rate in fig.	Rate in words.	Amount
1	Replacement of Compressor 1.5ton Air Conditioner (Compressor: Toshiva, Hily Technesh etc.)	3.00	Each			
2	Gas charging of Air conditioner unit 1.5 ton capacity (R-22),	8.00	Each			
3	Dismantling and reinstallation of split type Air conditioner unit.	1.00	Each			
4	Nitrogen Leakage testing and becumation of Split type air conditioner..	2.00	Each			
5	Service of split type Air conditioner.	7.00	Each			
6	Service of Window type Air conditoner	2.00	Each			
7	Invertor A.C PCB change	1.00	Each			
8	Change of PCB in split type A.C. unit.	1.00	Each			
9	Gas charging of splig type AC unit (R-32).	2.00	Each			

10	Replacement of running capacitor.	5.00	Each			
Total:-						


 Executive Engineer,
 Electrical Division
 HPPWD, Una

SCHEDULE OF QUANTITY

Job No. 11

Estimated Cost:- Rs. 1,37,708/-
Earnest Money:- Rs. 2,800/-
Time Limit:- Six Months

NAME OF WORK :- C/O HeliPad at Chintpurni, Sub-Tehsil Bharwain, Distt.Una, (HP) (SH :- Providing E.I. therein)						
Sr. No.	Description	Quantity	Unit	Rate in Fig.	Rate in words.	Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit and earthing the light point with 1.5 Sq. mm. HRFRLS/PVC insulated single core copper conductor cable as required (Make: Legrand, L&T, Anchor)					
1.01	Group C:	18.00	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, Plaza make)	15.00	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, Plaza make)	28.00	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, Plaza make)	17.00	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, Plaza make)					
5.01	2x1.5 Sq. mm.	27.00	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, Plaza make)						
6.01	3x1.5 Sq. mm.	10.00	P/mtr.				
7	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps, piano type switch, connections, painting etc. as required.	3.00	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 6 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc. as required (SSK, Anchor/L&T make)	4.00	Each				
9	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required. - (SSK, Anchor make)	1.00	Each				
10	Supplying and fixing bakelite batten /angle holder including connections etc. as required.	2.00	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 (Make:- Legrand, L&T, Hager)-						
11.01	Single pole. Cat-A.	7.00	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 -						
12.01	Double pole. 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 milliamps in the existing MCB DB complete with connections, testing and commissioning etc. as required. (Make:- Legrand, L&T, Hager)-						

13.01	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, Double door-12 way(Make:- Legrand, L&T, Hager)-	1.00	Each				
14.01		1.00	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 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.	25.00	P/mtr.				
18	Providing, Installation, testing and commissioning of ceiling fan with 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:- (CromptonWWHE ISI mark/Usha-Technixplus BEE 3star/ Bajaj 3 Star rated model)						
18.01	Ceiling Fan 1200 mm sweep, Category-A	2.00	Each				
19	Supplying and fixing Fan box of M.S.sheet with iron rod hook 12 mm.in place of junction box complete as required.	2.00	Each				
20	Supplying and fixing LED Batten 10 watts Mirror Light and it should be compatible with specifications i.e power factor>0.9 Harmonic distortion<10%& efficacy>100, lumen per watts,CRI>80, CCT 6500K suitable for input voltage 150-270 volts,50Hz,IP rating20,surge rating 2.0kv, and length 59.5 cm complete with connections etc. as required (Wipro Trim Neo LL-20-111-XXX-65NE3/Tisva /Philips make)	1.00	Each				

21	Providing and fixing LED surface/pendent mounting Tube fixture 36 watts LED batten anodized aluminium housing PC diffuser with PC end caps, spring steel clamps for surface mounting arrangement and it should be compatible with specifications i.e. Power factor >0.9, Harmonic distortion <10% & efficacy >100 Lumen per watts, CRI >80, 5700 K suitable for input voltage 220-240 Volts, 50 HZ, Length 1175X30X36 mm, complete with connections and as per best satisfaction of Engineer in-Charge complete as required. (Panasonic Harrow AI Code No PBTM08368/Philips/Wipro make)	4.00	Each			
22	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:- (Crompton Semi Commercial Double Ball Bearing/Usha - SPH Turbo HDEF 900 RPM/ISI/Bajaj)					
22.01	Exhaust Fan, Semi Commercial, 300 mm sweep	1.00	Each			
23	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)	1.00	Each			
24	S/F Computer board comprising 3 No. 5 amps switch (P/T) and 3 No. 3 pin 5 amps. Socket out let (P/T) and 1 No. 200x250x100mm metal box with cover plate and 1 No. 4 modular switch board with cover plate and 1 No. computer jack with shutter including connections etc, as required, complete in all respects. (L&T/SSK/Anchor make)	1.00	Each			
25	Supplying and fixing Power plug socket with MCB Protection 25 Amps with Plug top and 4 Module box including making connections, testing etc, as required (SSK Cat. No PSM-1501, HSN Code 8536/Anchor/ L&T make)	1.00	Each			
26	Supplying and fixing Cabin/wall fan 400 mm sweep, AC supply, 240 volts, 50 HZ high speed on the existing wall complete with connections, testing and commissioning etc, as required (Crompton HIFLO NEO/Usha make (WF) Mist Air DUOS/Icy blue /Bajaj)	1.00	Each			
27	Supplying and fixing of sub main wiring with 10 sq.mm. weather proof twin core aluminium conductor cable on the G.I bearer wire etc, as required. (Polycab, Havells, Finolex)	30.00	P/mtr.			

28	Providing and installation of stationary storage type Electric water heater (Geyser) vertical 25 ltrs capacity by means of Expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of Non-return valve, Dead weight safety valve, 2 No C.P. connection rods 18" long, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required- (Jaquar/Recold make)					
28.01	Storage water heater, 25 Liter capacity Cat-A Jaquar (Elena vertical)/Recold Min 4 star	1.00	Each			
29	Providing and fixing LED street light 30watts CCT 5700K, CRI>80, Surge rating 5kv, IP 66, input voltage 140V-270V, 50Hz, A.C. Supply with M.S. bracket 62 mm dia with die cast aluminium housing with IP diffuser on the existing pole including connections complete in all respects and best satisfaction of Engineer -in-charge at site (Panasonic Cat.NoPSTM27308XX/Philips/Wipro make)	3.00	Each			
30	Supplying and fixing surface LED 18 watt round down lighter with high efficacy Housing made of casted aluminium housing with SS Strips and it should be compatible with specifications i.e. Power factor >0.9, Harmonic distortion <10% & efficacy >100 Lumen per watt, CRI >80 5700 K suitable for input voltage 220-240 Volts, 50 Hz, IP rating 20, Surge rating up to 2 KV, Dia 169mm complete with connections etc. as required. Panasonic PDL M26188 (Jaquar, Philips or its equivalent make)	2.00	Each			
31	Supplying and fixing LED Lamp 9 watts 825 Lumens 240 volts AC supply 50 Hz in the existing batten holder, pendant holder, wall bracket & bulk head fitting etc, as required (Philips Ace Saver HSN CODE 85395000/Tisva/Panasonic make)	2.00	Each			
		Total:-				


 Executive Engineer,
 Electrical Division,
 HPPWD., Una.

SCHEDULE OF QUANTITY

Job No. 13

**Estimated Cost:- Rs. 32,854/-
Earnest Money:- Rs. 700/-
Time Limit:- Six Months.**

NAME OF WORK :- Providing wiring and accessories in Store and Drawing branch(HDM.Cabin) (B&R) Division HPPWD., Una.						
Sr. No.	Description	Quantity	Unit	Rate in Fig.	Rate in Words,	Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit with P/T switch and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.(Finolex,KEI,Anchor,I&T make)					
1.01	Group - C	8.00	Each			
2	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required.(Finolex,KEI,Anchor,I&T make)					
2.01	(a) 2x1.5 sq.mm.	5.00	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,KEI,Anchor,I&T make)	8.00	P/mtr.			
4	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,I&T make)					
4.01	3x1.5 Sq. mm.	5.00	P/mtr.			

5	Supplying and fixing bakelite batten/angle holder including connections etc. as required:- (SSK,Anchor make)	2.00	Each			
6	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.A1.946611X/Panasonic/Philips make)	2.00	Each			
7	Supply and fixing of led fixture 18 W LED recess Mounted Downlighter Round Shape .The Input voltage range shall be 150V to 270V .Fixture have Surge Protection 2kV .Driver Output voltage shall be less than SELV Limits for safe operation and maintenance.Wipro Cat. No LD80-171-XXX-60-XX or Equivalent in Philips: SM251C LED20S- 6500 PSU WH or Trilux :Ambiella IND D LED1000-860 ET 01 ET or LT :	5.00	Each			
8	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)					
8.01	Ceiling Fan 1200 mm sweep, Category-A	2.00	Each			
9	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)	2.00	Each			
Total:-						


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

SCHEDULE OF QUANTITY

Job No. 14

Estimated Cost:- Rs. 64,375/-
Earnest Money:- Rs. 1,300/-
Time Limit:- Six Months.

Name of work :- Replacement of LED down Lighter, Ceiling fans, Street light & Sub Mains etc, in PWD., Rest House Haroli, Distt. Una (HP)

Sr. No.	Description	Quantity	Unit	Rate in Fig.	Rate in Words.	Amount
1	Supplying and erection of 6 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)	16.00	Each			
2	Supplying and erection of 40 TO 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:- (Hagger,ABB,L&T make)	3.00	Each			
3	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. (SSK,L&T make)	3.00	Each			
4	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)					
4.01	Double door 12 way	3.00	Each			

5	Providing, Installation, testing and commissioning of ceiling fan without step type fan regulator modular, air delivery 215 m ³ /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)						
5.01	Ceiling Fan 1200 mm sweep, Category-A	3.00	Each				
6	Supply and fixing of led fixture 18 W LED recess Mounted Downlighter Round Shape with minimum system lumen efficacy of 90 lm/W with and P.F.>0.95 with THD<20%, CRI 80. The LED shall be tested with LM80-08 standard with Useful life of 50000 Hrs at L70; The LEDs used in the luminaire shall have CCT of ANSI Bin 6000 K with CRI of minimum 80. LEDs used must be tested as per EN62471 for Photobiological Safety of humans. The Input voltage range shall be 150V to 270V .Fixture have Surge Protection 2kV .Driver Output voltage shall be less than SELV Limits for safe operation and maintenance. Wipro Cat. No LD80-171-XXX-60-XX or Equivalent in Philips: SM251C LED20S- 6500 PSU WH or Trilux :Ambiella IND D LED1000-860 ET 01 ET or LT :	6.00	Each				

7	Supply & Fixing of LED fixture 6 W LED Surface Mounted trimless Downlighter Round Shape with minimum system lumen efficacy of 90 lm/W with and P.F.>0.95 with THD<20%, CRI 80. The LED shall be tested with LM80-08 standard with Useful life of 50000 Hrs at L70. The LEDs used in the luminaire shall have CCT of ANSI Bin 6500 K with CRI of minimum 80. LEDs used must be tested as per EN62471 for Photobiological Safety of humans. The Input voltage range shall be 150V to 270V .Fixture have Surge Protection 2kV .Driver Output voltage shall be less than SELV Limits for safe operation and maintenance. Wipro Cat. No LD66R-670-XX-65-SM or Equivalent make	6.00	Each			
8	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)	1.00	Each			
9	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required. (Finolex,KEI, Anchor,L&T make)					
9.01	3x10 sq.mm.	20.00	P/mtr.			
Total :-						


Executive Engineer,
Electrical Division
HPPWD, Una

SCHEDULE OF QUANTITY

Job No. 15

Estimated Cost:- Rs. 2,83,313/-
 Earnest Money:- Rs. 5,700/-
 Time Limit:- Six Months.

Name of work:- C/o Rest House at Uhal, Tehsil Tauni Devi, District Hamirpur, (HP) (SH:- Providing 3 Nos. A.C (1.5 Ton and 2.00 Ton) therein).						
Sr. No.	Description of Items	Quantity	Unit	Rate in Fig.	Rate in Words.	Amount
1	Supplying and fixing 1.5 ton inverter split type air conditioner Hot and Cold with voltage stabilizer 140V to 290 V, advanced filter, E saver mode, quit mode, dual display, auto clean, anti bacteria filter jet Cool on/off timer sleep mode compressor cord less remote complete in all respect as per comprising to ISI with latest amendment suitable to operate on 230 volt /240 volt $\pm$ 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:FTHT50), O Genral/Mitsubsi 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 with voltage stabilizer 150 V TO 290 V, advanced filter, E saver mode, quit mode, dual display, auto clean, anti bacteria filter jet Cool on/off timer sleep mode compressor cord less remote complete in all respect as per comprising to ISI with latest amendment suitable to operate on 230 volt /240 volt $\pm$ 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:FTHT60), O Genral/Mitsubsi or equivalent as approved by the Engineer Charge.	1.00	Each			
3	Supplying and fixing of DLP 105x50 mmPVC adaptable trunking on the exiting wall at required height from lower level for power connection, light connection and net working connection including partition chip flexible cover end cap. Make-Legrand, MK or its equivalent as required complete in all respect.	9.00	Meter			

4	Providing, laying and fixing of interconnecting copper piping with Nitrile tubular insulation AC indoor to outdoor for split type AC 1.5 ton and 1.8 AC as required complete in all respect.	6.00	Meter			
5	Providing, laying and fixing of drian condensate drain water pipe with all necessary fitting for all type A.C as required complete in all respect.	6.00	Meter			
6	Supplying and fixing of following sizes of PVC conduit along with accessories insurface/recess including painting in case of surface conduit, or cutting the walland making good the same in case of recessed conduit as required.					
6.01	20 mm	6.00	Meter			
Total:-						


 Executive Engineer,
 Electrical Division,
 HPPWD., Una.

SCHEDULE OF QUANTITY

Job No. 16

Estimated Cost:-
Earnest Money:-
Time Limit:-

Rs. 3,81,964/-
Rs. 7,700/-
Six Months.

C/o J. E. office cum residence at Bharmeli, Distt. Hamirpur (H.P) (SH:- Providing E.I. therein)

Sr. No.	Description of Items	Qty.	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 steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Make :-Anchor (Roma classic).L&T(Entice),Legrand(Myrtus) or its equivalent as approved by Er-In-Charge					
1.01	Group A	25.00	Each			
1.02	Group C	29.00	Each			
2	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Make :-Anchor (Roma classic).L&T(Entice),Legrand(Myrtus) or its equivalent as approved by Er-In-Charge.	10.00	Each			
3	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required					
3.01	5/6 amp Modular switch	8.00	Each			
3.02	5 pin 5/6 amp socket outlet	8.00	Each			
4	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. Make :-Anchor (Roma classic).L&T(Entice),Legrand(Myrtus) or its equivalent as approved by Er-In-Charge	14.00	Each			
5	Supplying and fixing suitable size GI box with modular plate and cover in FRLS on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required. Make :-Anchor (Roma classic).L&T(Entice),Legrand(Myrtus) or its equivalent as approved by Er-In-Charge	11.00	Each			
6	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 3 pin 5/6 amps modular socket outlets and 2 nos. 5/6 amps modular switches, connection etc. as required. Make :-Anchor (Roma classic).L&T(Entice),Legrand(Myrtus) or its equivalent as approved by Er-In-Charge	2.00	Each			
7	Supplying and fixing Computer board comprising 3 nos 5 amp modular switches, G.I box 2 module for jack box and G.I Box 12 module for 5 amp switches and 5 amp sockets comprising sheet cover for each 2 module metal box, one no computer jack (RJ-45) with shutter including connections etc as required. Make :-Anchor (Roma classic).L&T(Entice),Legrand(Myrtus) or its equivalent as approved by Er-In-Charge	3.00	Each			
8	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required Make:-Plaza,KEI,Finolex or its equivalent as approved by Er-In-Charge					

8.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	90.00	Meter			
8.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	91.00	Meter			
8.03	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	48.00	Meter			
8.04	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	9.00	Meter			
9	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/recessed steel/ PVC conduit as required.	36.00	Meter			
10	Supplying and fixing of following sizes of PVC conduit along with accessories insurface/recess including painting in case of surface conduit. or cutting the walland making good the same in case of recessed conduit as required.					
10.01	25 mm	30.00	Meter			
11	Providing, Installation, testing and commissioning of ceiling fan without regulator,including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required: Make:- Usha/TECHNIX PLUS),Bajaj,Crompton or its equivalent as approved by Er-in-charge					
11.01	Ceiling Fan 1200 mm sweep	8.00	Each			
12	Providing and installation exhaust fan of following sizes in the existing opening,including making the hole to suit the size of the above fan, making good thedamages, connections, testing and commissioning etc. as required: Make:- Usha(AEROCLEAN PLUS DBB),Bajaj,Crompton or its equivalent as approved by Er-in-charge					
12.01	Exhaust Fan, Light duty, 300 mm sweep	1.00	Each			
13	Providing and installation exhaust fan of 250mm (Plastic body) size in the existing opening,including making the hole to suit the size of the above fan, making good thedamages, connections, testing and commissioning etc. as required: Make:- Usha,Bajaj,Crompton or its equivalent as approved by Er-in-charge	2.00	Each			
14	S/F louver and shutter for 300mm/350 mm on 12mm thick ply board as required complete in al respect	1.00	Each			
15	Providing and installation of stationary storage type Electric water heater (Geyser)of various sizes by means of expansion-bolts with nuts and washers, includingembedding of expansion-bolts in the wall, making good the damages, electricalconnections, testing etc. complete as required.-Make:-Usha(Model Mist 25 litre),Bajaj,Recold or its equivalent as approved by Er-in-charge	1.00	Each			
16	Supplying and fixing surface round / square type LED 15 watt, 6000k, (Five YEAR WARRANTY) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- Panasonic (Model -PDLM10156BR)/Philips, wipro or its equivalent as approved by Engineer-in-Charge	18.00	Each			

17	Supplying and fixing Aluminium batten LED 24 watt, 6000k, (Five YEAR WARRANTY) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make -Jaquar (Cat No LGLZ01X024XN)/Philips,Panasonic or its equivalent as approved by Engineer-in-Charge	8.00	Each			
18	Supplying and fixing SURFACE 1x4 36 WATT LED , 5700k, (Five YEAR WARRANTY) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make -panasonic (Model -PBTM17228)/Philips, Wipro or its equivalent as approved by Engineer-in-Charge	2.00	Each			
19	Supplying and fixing Aluminium batten LED 10 watt, 6000k, (Five YEAR WARRANTY) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make -Jaquar/ Philips, Panasonic or its equivalent as approved by Engineer-in-Charge	3.00	Each			
20	Supplying and fixing of bulk head fitting LED 10 watt ,6500k, (Five YEAR WARRANTY) and it should be compatible with specification e.i. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make -Jaquar (Model -)/Jaquar/PHILIPS ,Panasonic or its equivalent as approved by Engineer-in-Charge	3.00	Each			
21	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required	4.00	Each			
22	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, "C" curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-	2.00	Each			
23	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required					
23.01	40amp, double pole, (single phase and neutral)	2.00	Each			
24	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 10 kA, "C" curve,miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required	17.00	Each			
25	Supplying and fixing of MCB distribution board, 240 volts, on surface/ recess, complete with lined copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator					
25.01	12 way, Double door	1.00	Each			
25.02	16 way Double door	1.00	Each			
26	Supplying and fixing PVC batten/ angle holder including connection etc. as required.	7.00	Each			
27	Supplying and fixing true power make advanced earthing system having copper pipe 2 meter long 50 mm dia with terminal size 50x6 mm ,internal strip size 25x2 with 50 Kg compound including excavation of pit and refilling the same and making earthing pit cover 13 inch dia as required complete in all respect. make -Earth plus,Ashloka or its equivalent as per best satisfaction of Engineer-in -charge.	2.00	Each			

28	Supplying and laying 8 SWG copper wire at 0.50 metre below ground level for conductor earth electrode, including connection/termination with GI thimble etc. as required	30.00	Meter		
29	Supplying and fixing street light LED 60 watt with G.I bracket die cast Aluminium housing with frame and toughened glass, pipe mounting 5700k, (Five YEAR WARRANTY) and it should be compatible with specification e.i. Power Factor > 9, Harmonic Distortion < 10% and efficacy > 100 Lumens per watt, suitable for input voltage AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make - Jaquar (Model -LSRT015060XW)/Philips/wipro or its equivalent as approved by Engineer-in-Charge	3.00	Each		
Total:-					


 Executive Engineer,
 Electrical Division,
 HPPWD., Una.

SCHEDULE OF QUANTITY

Job No. 17

Estimated Cost:- Rs. 1,96,645/-
 Earnest Money:- Rs. 4,000/-
 Time Limit:- Six Months.

Name of work :- Replacement of E.I. to Chenab Hostel (Ground Floor) in Sainik School at Sujjanpur Tihra Distt Hamirpur H.P (Revised estimate)					
Sr. No.	Description of Items	Qty.	Unit	Rate in fig.	Rate in words
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed PVC conduit, 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				Amount
1.01	Group B	12.00	Point		
2	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in existing surface / recessed steel/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. Anchor (Roma classic), L&T (Entice), Legrand (Myrius) or its equivalent as approved by Er-In-Charge				
2.01	GROUP-B	56.00	Point		
3	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required				
3.01	5/6 Amp Switch	4.00	Each		
3.02	5 pin 5/6 Amp Socket	4.00	Each		

4	Supplying and fixing suitable size GI box with modular plate and cover in FRLS. Sont on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required. Make :- Anchor (Roma classic), L&T (Entice), Legrand (Myrius) or its equivalent as approved by Er-In-Charge.	4.00	Each			
5	Wiring for circuit/submain wiring along with the earth wire with 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					
5.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	20.00	Meter			
5.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	30.00	Meter			
5.03	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	35.00	Meter			
6	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.					
6.01	3 X 1.5 sq. mm	150.00	Meter			
6.02	3x4.0 Sq. mm.	50.00	Meter			
7	Supplying and fixing of following sizes of PVC conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.					
7.01	25 mm	15.00	Meter			

8	Supplying and fixing surface round / square type LED 15 watt, 6000k, (Five YEAR WARRANTY) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:- Panasonic (Model -PDLM10156BR)/Philips, wipro or its equivalent as approved by Engineer-in-Charge	7.00	Each		
9	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	16.00	Each		
10	Supplying and fixing batten/ angle holder including connection etc. as required. Make :-Anchor (Roma classic).L&T(Entice),Legrand(Myrius) or its equivalent as approved by Er-In-Charge	9.00	Each		
11	Supplying and fixing of LED bulk head 10 watt fitting with all accessories including making connections, testing etc. as required .Make Panasonic,Wipro Philips or its equivalent as approved by Er-In-Charge(Five year warranty)	4.00	Each		
12	Supplying and fixing Aluminium batten LED 24 watt, 6000k, (Five YEAR WARRANTY) and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make:-Jaquar (Cat No LGLZ01X024XN)/Philips,Panasonic or its equivalent as approved by Engineer-in-Charge	30.00	Each		
13	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 10 kA, "C" curve,minature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.	13.00	Each		
14	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-	2.00	Each		
15	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.				
15.01	40amp, double pole, (single phase and neutral)	2.00	Each		

16	Providing and fixing following rating and breaking capacity MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as require					
16.01	63 A 25 KA	1.00	Each			
17	Supplying and fixing 4 pole MCCB Enclosure with all accessories including connections, . as required	1.00	Each			
18	Supplying and fixing sheet metal bus-bar chamber suitable for 100 Amp. 415 volts capacity with 4 No. copper strip bus-bars each of length 300mm & cross-sectional area (25.4mmx3.17mm), enclosure made from 1.6 mm thick M.S. sheet having overall dimensions (380mmx400mmx150mm) nominal with all accessories including connections, earthing the body etc. as required.Havell,Haggar or its equivalent as approved by Er-In-Charge	1.00	Each			
19	Supplying and fixing of 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					
19.01	12 way, Double door	2.00	Each			
20	Supplying and fixing LED Lamp 9 watts 6500 K E-27,900 Lumens 240 volts AC,supply 50 HZ in the existing batten holder,pendent holder,wall bracket & bulk head fitting etc. as required:Make TISVA (Cat no AL916611X) ,wipro,Philips or equivalent Make :-Tisva ,Panasonic Philips or its equivalent as approved by Er-In-Charge(Five year warranty)	9.00	Each			
Total:-						


Executive Engineer,
Electrical Division,
HPPWD., Una.

SCHEDULE OF QUANTITY

Job No. 18

Estimated Cost:-

Rs. 58,703/-

Earnest Money:-

Rs. 1,200/-

Time Limit:-

Six Months.

Name of Work :- Supplying, Installation, Testing and Commissioning One No. 2 KV/A inverter in ADM earmarked residence Hamirpur Distt. Hamirpur, (H.P).						
Sr. No.	Description of Items	Quantity	Unit	Rate in Fig.	Rate in words.	Amount
1	Supplying Installation ,testing and commissioning of 2KVA inverter suitable for AC single phase input 100 to 285 ,50 HZ , output maximum load 1600 watt key feature high over load handling capacity advanced battery management which enhances battery life up to 70 % ,installation and maintenance friendly no user action required automatic start ,with 24 month warranty and with maximum charging current 21amp and protection Overload,short-circuit,Battery ,deep discharge protection &Battery reverse polarity protection ,Battery two nos. 12V,150AH with warranty of 36 monthwith back up time 3hour with 2no battery cable etc as required ,complete in all respect as per satisfaction of the Engineer in-charge. (2 year warranty on Inverter and Batterieshaving 36 month warranty).Make:- Luminous/Cruze+ 2KVA-24V batteryLE18036TT 12V150AH),Microtech,APC, NUMERIC.	1.00	Job			
2	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.Make :-Anchor (Roma classic),L&T(Entice),Legrand(Myrius) or its equivalent as approved by Engineer-in charge	1.00	Each			
3	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.Make:-Plaza,KEI,Finolex or its equivalent as approved by Er-In-Charge					
3.01	1 x 1.5 sq. mm	50.00	Meter			

4	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							
4.01	20 mm	2.00	Meter					
	Total							


 Executive Engineer,
 Electrical Division,
 HPPWD., Una.

SCHEDULE OF QUANTITY

Job No. 19

Estimated Cost:-
Rs. 2,99,541/-
Earnest Money:-
Rs. 6,000/-
Time Limit:-
Six Months.

Name of work:- C/O Atal Adarsh Vidyalaya at Mohal Gaihra, Dhanet in Tehsil Bangana, Distt. Una (H.P) (SH:- Supplying & laying Steel conduit 1st Floor therein)

Sr. No.	Description of Items.	Quantity	Unit	Rate in Fig.	Rate in words.	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:-					
1.01	25mm dia.	1010.00	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:-					
2.01	25mm dia.	1110.00	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.					
3.01	2 Modules (78mmx78mmx50mm).	60.00	Each			
3.02	4 Modules (140mmx78mmx50mm).	39.00	Each			

3.03	12 Modules (205mmx135mmx60mm).	50.00	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.	7.00	Each			
Total:-						


 Executive Engineer,
 Electrical Division,
 HPPWD., Una.

SCHEDULE OF QUANTITY

Job No. 20

Estimated cost: Rs. 99,987/-
Earnest money: Rs. 2,000/-
Time Limit: Six months.

NAME OF WORK: C/O Sub Tehsil Building at Bihru Kalan in Tehsil Bangana Distt Una (HP) (S.H:- Supplying and Laying of Steel conduit in Ground Floor).						
S. 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:-					
1.01	25 mm. dia	350			Per metre	
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:-					
2.01	25 mm. dia	65			Per metre	
3	Supplying & fixing of G.I. modular boxes of following sizes along with modular base and cover plate for modular switches in recess as required (without modular base and cover plate)					
3.01	2 modules (78mmx78mmx50mm)	8			Each	
3.02	4 modules (140mmx78mmx50mm)	5			Each	
3.03	12 modules (205mmx135mmx60mm)	7			Each	
4	Supplying and fixing of MS fan box fabricated out of 16 SWG MS sheet and MS round of 12 mm dia as required complete in all respects.	8			Each	
Total:-						


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

SCHEDULE OF QUANTITY

Job No. 21

Estimated Cost:- Rs. 1,01,920/-
Earnest Money:- Rs. 2,100/-
Time Limit:- Six Months.

Name of work:- Running and Maintenance of E.L. in various Govt. buildings in Distl. Una (H.P) (SH):- Engagement of Peon in the Executive Engineer, Electrical Division, HP.PWD Una (w.e.f. 01/10/2022 to 31.03.2023 (06 Months 182 days).

Sr. No.	Description of Items.	Qty.	Unit	Rate in fig.	Rate in words	Amount
1	Engagement of Peon in the office of Executive Engineer, Electrical Division, HP.PWD Una as per instruction of Engineer-in-charge (1No. Peon w.e.f. 01-10-2022 to 31.03.2023)	6.00	(Months 182 days) P/day			
Total:-						


Executive Engineer,
Electrical Division,
HPPWD., Una.

JOB No. 22

SCHEDULE OF QUANTITY

Estimated Cost:- Rs. 1,19,356/-
Earnest Money:- Rs. 2,400/-
Time Limit:- Seven Months.

Name of work:- Providing services of Electrician/Tech. Gr-II, for attending complaints/repair & maintenance in various Govt. residential Buildings Rakkar Colony, under Electrical Sub-Division, HP.PWD., Una w.e.f. Seven months from awarded date

Sr. No.	Description of Items.	Quantity	Unit	Rate in fig.	Rate in words.	Amount
1	Providing Services on temporary basis Electrician Technician Gr-II for attending complaints and maintenance in various Govt. N.R. Building during working ((9.00Am to 5.00PM) or as when required by the Officer-in-charge.	7.00	Months 212 days	P/day		
Total:-						

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

SCHEDULE OF QUANTITY

Job No. 23

Estimated Cost:- Rs. 1,63,876/-
Earnest Money:- Rs. 3,300/-
Time Limit:- Seven Months.

Name of work:- Providing services of Electrician/Tech. Gr.-I, for attending complaints/Repair & maintenance in various Govt. Non-residential buildings at Electrical Section Amb, under Electrical Sub-Division, HP.PWD., Una w.e.f. Seven months from awarded date).

Sr. No.	Description of Items.	Quantity	Unit	Rate in fig.	Rate in words.	Amount
1	Providing Services on temporary basis Electrician /Technician Gr-I for attending complaints and maintenance in various Govt. N.R. Building during working (9.00Am to 5.00PM) or as when required by the Officer-in-charge.	7.00 Months 212days	P/day			
Total:-						


Executive Engineer,
Electrical Division,
HPPWD., Una.

SCHEDULE OF QUANTITY

Job No. 24

Estimated Cost:- Rs. 3,24,700/-
 Earnest Money:- Rs. 6,500/-
 Time Limit:- Six Months..

Name of work:- Providing and fixing copper pipe, PVC Pipe and PVC Copper wire etc. for Split type A.C. in HP.PWD Circuit House Una, Distt. Una (H.P).						
Sr. No.	Description of Items.	Quantity	Unit	Rate In fig.	Rate in words.	Amount
1	Providing and fixing of copper pipe of Split type A.C. unit in existing pipe etc. as required.	89.00	P/Mtr.			
2	Providing and fixing Insulation selaves for around copper pipe etc. as required.	89.00	P/Mtr.			
3	Providing and Laying PVC copper wire 4sq.mm 3.5 core in the existing pipe from Indoor Unit to outdoor unit complete with connections etc. as required.	198.00	P/Mtr.			
4	Cutting the core cutting with core cutting machine and good the same as required.	23.00	Each			
5	Supplying and fixing of follwing sizes of PVC conduit alongwith the accessories in surface/recess including cutting the wall and making good the same in cse of recessed conduit as required.					
5.01	25mm dia.	89.00	P/Mtr.			
5.02	32mm dia.	89.00	P/Mtr.			
Total:-						


 Executive Engineer,
 Electrical Division,
 HPPWD., Una.

SCHEDULE OF QUANTITY

Job No. 25

Estimated Cost:- Rs. 1,65,360/-
Earnest Money:- Rs. 3,300/-
Time Limit:- Six months.
Six Months.

Name of work:- C/O Hall on First Floor of Dormitory at Rest House Bhoranj, Tehsil Bhoranj, Distt. Hamirpur (H.P) (SH:- Providing 2 Nos Split Type 1.8/2.0 Ton A.C. (Hot & Cold) therein).

Sr. No.	Description of Items	Quantity	Unit	Rate in Fig.	Rate in words.	Amount
1	Supplying and fixing 1.8/2.0 Ton inverter split type air conditionerFour Star Hot and Cold with voltage stabilizer 140 V To 280 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 % A.C. 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:- FTH60), O Genral/Mitsubsi or its equivalent as approved by the Engineer-in-Charge.	2.00	Each			
Total:-						


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

SCHEDULE OF QUANTITY

Job No. 26

Estimated Cost:- Rs. 1,28,006/-
Earnest Money:- Rs. 2,600/-
Time Limit:- One year.

C/o 4 Nos. Class room with Verandha & Stair at Govt. Sr. Sec. School at Manoh, Tehsil Bhoranj, Distt. Hamirpur (HP)						
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:- Legrand(Myrius), L&T(entice), Anchor (Roma Classic) as approved by Engineer-in -charge .					
1.01	Group C.	34.00	Each			
2	Wiring for twin control light point with 1.5 Sq. mm. FRLS PVC insulated copper conductor single core cable in surface/recessed PVC conduit with 2-way, 5/6 amps. modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. FRLS PVC insulated copper conductor single core cable as required. Make:- Legrand(Myrius), L&T(entice), Anchor (Roma Classic) as approved by Engineer-in -charge .					
2.01	Group C.	2.00	Each			
3	Supplying and fixing following rating Modular switch /socket on the existing switch box / cover plate including connections but excluding modular complete etc. as required. Make:- Legrand(Myrius), L&T(entice), Anchor (Roma plus) as approved by Engineer-in -charge .					

3.01	S.P. 5/ 6 Amps one way Modular switch.	2.00	Each				
3.02	5 pin, 5/ 6 Amps Modular socket outlet.	2.00	Each				
4	Supplying and fixing suitable size G.I. box with modular plate and cover in front on surface or in recess including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required. Make:- Legrand(Myrius), L&T(entice) , Anchor (Roma plus) as approved by Engineer-in -charge .	4.00	Each				
5	Wiring for circuit/sub-main wiring along with earth wire with following size of FRLS PVC insulated copper conductor single core cable in surface/recessed PVC conduit as required. Make:- KEI, Anchor, Plaza as approved by Engineer -in -charge .						
5.01	2x1.5 Sq. mm + 1X1.5 sq.mm earth wire	40.00	Metre				
5.02	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	15.00	Metre				
6	Supplying and drawing following size of FRLS PVC insulated copper conductor single core cable in existing surface / recessed, Steel/medium class PVC conduit as required. Make:- KEI, Anchor, Plaza as approved by Engineer -in -charge						
6.01	3x1.5 Sq. mm.	25.00	Metre				
7	Providing installation testing and commissioning of ceiling fan without 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. Plus 5 star or its equivalent not less than three star rating as approved by Engineer-in -charge.						

7.01	Ceiling fan 1200 mm	16.00	Each			
8	Supplying and fixing PVC batten/angle holder including connections etc. as required:-	15.00	Each			
9	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					
9.01	LED Lamp 9 Watt	15.00	Each			
10	Providing and fixing of surface mounted Luminaire LED 24 Watt batten ,having high Quality design aluminium extruded decorative end caps with five year warranty and it should be compatible with specification i.e. Power Factor > 9, Harmonic Distortion < 10% and efficacy ≥ 100 Lumens per watt ,CRI> 80 suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc.as required. Make:- Jaquar (item code:-LGLZ01X024XC), Panasonic,Philips,wipro as approved by Engineer-in-charge.	4.00	Each			
11	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus- bar, neutral bus bar, earth bar, din-bar, interconnections, and powder painted, including earthing etc. as required. (but without MCB/RCCB/Isolator) Make:- L&T, Legrand, Hager as approved by Engineer-in -charge.					
11.01	Double door-6 way	2.00	Each			

12	Supplying and erection of MCB DP 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required. Make:- L&T, Legrand, Heggarr as approved by Engineer-in-charge.	2.00	Each			
13	Supplying and erection of 5 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required. Make:- L&T Legrand, Heggarr as approved by Engineer-in-charge.					
13.01	Single pole	6.00	Each			
14	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required. Make:- Anchor roma classic Cat No 21496 price list Nov. 2021, Legrand(Myrious), L&T(entice) as approved by Engineer-in-charge.	16.00	Each			
15	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	1.00	Set			
16	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	20.00	Metre			
		Total				


 Executive Engineer,
 Electrical Division,
 HPPWD., Una.

SCHEDULEM OF QUANTITY

Job No. 27

Estimated Cost:- Rs. 92,994/-
Earnest Money:- Rs. 1,900/-
Time Limit:- One year.

Name of Work:- C/o Veterinary Hospital at Malhot, Tehsil Gumarwin, Distt. Bilaspur (HP) (SH:- Providing E.I. therein).

Sr. No.	Description	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 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.					
1.01	Group A	13.00	Point			
1.02	Group C	10.00	Point			
2	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	30.00	P/mtr			
3	Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit alongwith 1 No 4 sq mm FRLS PVC insulated copper conductor single core cable for loop earthing as required	12.00	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 surface/ recessed medium class PVC conduit as required					
4.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	18.00	P/mtr			
4.02	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	5.00	P/mtr			
5	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.					
5.01	3 x 1.5 sq. mm	10.00	P/mtr			
6	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required					
6.01	5/6 amps switch	6.00	Each			

6.02	3 pin 5/6 A socket outlet		6.00	Each					
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 front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.		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 front including providing and fixing 6 pin 5/6 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.		6.00	Each					
9	Supplying and fixing brass battery/ angle holder including connection etc. as required.		9.00	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.								
10.01	Single pole 6 Amp Cat-A		4.00	Each					
10.02	Single pole 16 Amp Cat-A		6.00	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.								
11.01	40 Amps Cat-A		2.00	Each					
12	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required								
12.01	40 A		2.00	Each					
13	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 bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)								
13.01	12 way, Double door		2.00	Each					
14	Earthing with G.I. earth pipe 45 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					

15	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				
16	Supplying and fixing Ding dong bell suitable for single phase, 230 volts, complete as required.	2.00	Each				
17	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-						
17 01	Ceiling Fan 1200 mm sweep	3.00	Each				
18	Supplying and fixing LED Lamp 9 watts E-27 base in the existing batten holder/pendent holder Make-Philips,Wipro.	9.00	Each				
19	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 ≥100 Lumens per watt, CRI> 80 suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc as required Make -Panasonic (PBTNM17228),Jaquar,Philips,wipro or as approved by Engineer-in-charge	6.00	Each				
20	Supplying and fixing street light type LED 25 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 -PSM278)/Philips/wipro or its equivalent as approved by Engineer-in-Charge	2.00	Each				
21	Providing and installation exhaust fan of following sizes in the existing opening,including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required Make- Usha,Bajaj,Crompton as approved by Ei-in-charge						
21 01	Exhaust Fan, Light duty, (Domestic) 300 mm sweep	2.00	Each				
22	Supply and fixing exhaust fan lower shutter for 300/380mm exhaust fan on the existing wall painting including 12 mm thick wooden ply board for suitable size of exhaust fan hole.	2.00	Each				
Total:-							


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

SCHEDULE QUANTITY

Job No. 28

Estimated Cost:- Rs. 1,86,900/-
Earnest Money:- Rs. 3,800/-
Time Limit:- One year.

Name of Work:- A/R & M/O of various type and different capacity of air conditioner installed in various N.R. Govt. building under Electrical Sub-Division HPPWD., Bilaspur for the year 2022-23 w.e.f. (01.07.2022 to 30.06.2022)						
Sr. No.	Description of Item	Quantity	Unit	Rate in fig.	Rate in words.	Amount
1	Annual , Repair & maintenance (Routine & preventive) of various makes/types and different capacity Split AC's with four numbers mandatory quarterly services and all emergency break down services as and when required from time to time as per the best satisfaction of Engineer-in-charge. The AMC will include the following:-					
1 01	Compress, Thermostat Relay, OLP,Fan Motors, Timers, Heaters, Air dampers, Ice maker, temperature sensors, Evaporators, Condensers, Refrigerant charging Driers Capillary Blowers, Fan Blade Control box, Magnetron, Electrical switches, Transformers(internal), Diodes, Capacitors, Wire harness, Wash, & Spin motors Gear box Clutch assembly Drum Inner Bellows bears & Lip seal (Drain motor Pump, Electrical valves, Buzzer Suspension Key Members Remote PCB including cost of their replacement.					
1 02	All defective components shall be replaced with compatible working parts and defective parts shall be company 's/firm./Contractor 's property.					
1 03	Split type A.C 1.5ton/2 0 ton capacity.	42.00	Each			
Total:-						


Executive Engineer,
Electrical Division,
HPPWD.,Una

SCHEDULE OF QUANTITY

Job No. 29

Estimated Cost:- Rs. 1,73,620/-
Earnest Money:- Rs. 3,500/-
Time Limit:- Six Months.

Name of work:- Replacement of E.I. in PWD Quarter set no. 1 & 2 (Old building Assistant Engineer residence) near SDM office Ghumarwin, Distt. Bilaspur (HP).						
Sr. No.	Description	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 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.					
1.01	Group A	39.00	Point			
2	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	96.00	P/mtr			
3	Wiring for light/ power plug with 4X4 sq mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit alongwith 1 No. 4 sq mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	60.00	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 surface/ recessed medium class PVC conduit as required.					
4.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	80.00	P/mtr			
4.02	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	9.00	P/mtr			
5	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.					
5.01	3 x 1.5 sq. mm	50.00	P/mtr			
5.02	3 x 1.5 sq. mm	48.00	P/mtr			
6	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.					
6.01	5/6 amps switch	13.00	Each			

6.02	3 pin 5/6 A socket outlet.		13.00	Each				
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 front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.		11.00	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 front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.		11.00	Each				
9	Supplying and fixing Dng dong bell suitable for single phase, 230 volts, complete as required.		2.00	Each				
10	Supplying and fixing brass button/ angle holder including connection etc. as required.		14.00	Each				
11	Providing and installation of following type of LED button with aluminium housing, anti glare polycarbonate diffuser and energy efficient constant current, integralelectronic driver; suitable for input voltage AC 220/240 V, 50/60Hz, complete with all accessories, including mounting clamps, connections, testing etc. as required Make Wipro code LL20-111-xxxx-65 NE3* JAQAU, PHILIPS, Panasonic		2.00	Each				
12	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.							
12.01	Single pole 6 Amp Cat-A.		8.00	Each				
12.02	Single pole 16 Amp Cat-A.		12.00	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 -							
13.01	63 Amps Cat-A.		2.00	Each				
14	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.							
14.01	63 A		2.00	Each				
15	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with lined copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required (But without MCB/RCCB/Isolator)							

15.01	16 way, Double door	Each	2.00				
16	Providing, Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 1600 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.						
16.01	Ceiling Fan 1200 mm sweep	Each	2.00				
17	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.	Each	6.00				
18	Supplying and fixing LED Lamp 9 watts E-27 base in the existing batten holder/pendant holder Make-Philips,Wipro.	Each	14.00				
19	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 ≥100 Lumens per watt, CR> 80 suitable for input voltage AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc as required Make -Panasonic (PBTNN17228),Jaquar, Philips,wipro or as approved by Engineer-in-charge	Each	6.00				
20	Supplying and fixing street light type LED 25 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 -PSTM278)/Philips/wipro or its equivalent as approved by Engineer-in-Charge	Each	4.00				
21	Providing and installation exhaust fan of following sizes in the existing opening,including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required Make:- Usha/AEROCLEAN PLUS DBB)/Bajaj/Compton or its equivalent as approved by Engineer-in-charge						
21.01	Exhaust Fan, Light duty, (Domestic) 300 mm sweep	Each	2.00				
22	Supply and fixing exhaust fan louver shutter for 300/380mm exhaust fan on the existing wall painting including 12 mm thick wooden ply board for suitable size of exhaust fan hole.	Each	2.00				
Total:-							


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

15.01	16 way , Double door	Each	2.00				
16	Providing, installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 1600 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.						
16.01	Ceiling Fan 1200 mm sweep	Each	2.00				
17	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.	Each	6.00				
18	Supplying and fixing LED Lamp 9 watts E-27 base in the existing batten holder/pendant holder. Make:- Philips, Wipro	Each	14.00				
19	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 > 0.9, Harmonic Distortion <10% and efficacy ≥100 Lumens per watt ,CRD> 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),Jaquar,Philips,wipro or as approved by Engineer-in-charge.	Each	6.00				
20	Supplying and fixing street light type LED 25 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 > 0.9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage. AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. Make - Panasonic (Model -PSTM278)Philips/wipro or its equivalent as approved by Engineer-in-Charge	Each	4.00				
21	Providing and installation exhaust fan of following sizes in the existing opening,including making the hole to suit the size of the above fan, making good theclanages, connections, testing and commissioning etc. as required. Make:- Usha(AEROCLEAN PLUS DBB),Bajaj,Crompton or its equivalent as approved by E-i-in-charge						
21.01	Exhaust Fan, Light duty, (Domestic) 300 mm sweep	Each	2.00				
22	Supply and fixing exhaust fan louver shutter for 300/380mm exhaust fan on the existing wall painting including 12 mm thick wooden ply board for suitable size of exhaust fan hole.	Each	2.00				
Total:-							


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