

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

NOTICE INVITING TENDER

Sealed percentage and item rate tender on Form No. 6&8 are invited by the Executive Engineer, Electrical Division, HPPWD, Mandi (H.P.) for the following works from approved and eligible contractors enlisted in appropriate class in HPPWD (Electrical) department, so as to reach in his office on or before 03.08.2022 up-to 10.30 A.M. and will be opened on the same day at 11:00 A.M. in the presence of intending contractors or their authorized representatives. The application for issuing of tender form will be received in his office against cash payment Rs. 350/- (Non-refundable) for each work on or before 02.08.2022 up to 01:00 P.M. and the tender forms can be had from his office on same day. The application for the purchase of the tender documents should be accompanied with earnest money of each work separately in the shape of National Saving Certificate/FDR/ Call Deposit / Bank draft of any Schedule Bank / Post Office duly pledged in favour of the Executive Engineer, Electrical Division, HP.PWD, Mandi (H.P.). Conditional tenders and the tenders received without earnest money will be rejected. The receipt of application for issue of tender forms by post shall not be entertained / considered in any case. The tender forms shall be issued to registered Contractors or their authorized representatives. The copy of enlistment / renewal order and valid Electrical License shall be attached with the application for purchase the tender document. The ambiguous / telegraphic / conditional / fax / E-mail or by post tenders shall also not be entertained / considered in any case. The tender shall be issued to those Contractors / Firms who are found eligible, suitable and competent. The decision of the Executive Engineer regarding suitability / eligibility / competency of Contractors/ Firms shall be final binding on the Contractors / Firms applying for the issuing of the tender. The offer for the tenders shall be kept open for 120 days. The Executive Engineer reserves the right to reject the tender without assigning any reasons, if there happens to be any holiday the same will be opened on next working day.

Work No. 1:- C/o Additional Accommodation in HPPWD Rest House Prashar, District Mandi HP (SH: Providing EI therein) Estimated Cost: Rs. 295344/-only, Earnest money: Rs. 5950/- only, Time allowed: - One Month

Work No. 2:- C/o Type-III Quarter 2 Nos. , Type-II Quarter 3 Nos. for CHC Building Gadagusain, Tehsil - Balichowki District Mandi HP (SH: Providing EI therein) Estimated Cost: Rs. 430384/-only, Earnest money: Rs. 8600/- only, Time allowed: - Along with civil work.

Work No. 3:- C/o Type-IV Quarter for CHC Building Gadagusain, Tehsil - Balichowki District Mandi HP (SH: Providing EI therein) Estimated Cost: Rs. 196505/-only, Earnest money: Rs. 3950/- only, Time allowed: - Along with civil work.

Work No. 4:- C/o Government Senior Secondary School at Murah, Tehsil - Balichowki District Mandi HP (SH: Providing EI therein) Estimated Cost: Rs. 176112/-only, Earnest money: Rs. 3550/- only, Time allowed: - Along with civil work.

Work No. 5:- Providing Ceiling fans, Call Bell, Computer points, Air conditioner 1.5 tonne and LAN Wiring in the office of Executive Engineer, Thalaut Division HPPWD Thalaut, District Mandi HP Estimated Cost: Rs. 161430/-only, Earnest money: Rs. 3250/- only, Time allowed: - Fifteen days

Work No. 6:- Providing rewiring in Ayurvedic Dispensary at Ghangnoo, Tehsil - Sunder Nagar, District Mandi HP Estimated Cost: Rs. 290298/-only, Earnest money: Rs. 5850/- only, Time allowed: - one Month

Work No. 7:- C/o First Floor for Children Home at Sunder Nagar District Mandi HP (SH: Providing balance work of EI therein) Estimated Cost: Rs. 186964/-only, Earnest money: Rs. 3750/- only, Time allowed: - Fifteen days

Work No. 8:- C/o Indoor Badminton Hall at Dhalpur District Kullu HP (SH: Providing EI therein) Estimated Cost: Rs. 499071/-only, Earnest money: Rs. 10000/- only, Time allowed: - Along with civil work.

Work No. 9:- C/o Combined Office Building at Dharmpur District Mandi HP (SH: Providing and laying Steel / PVC Conduit therein) Estimated Cost: Rs. 268900/-only, Earnest money: Rs. 5300/- only, Time allowed: - Along with civil work

Work No. 10:- C/o Addition and Alteration to Assistant Engineer Residence at Katrain District Kullu HP (SH: Providing EI therein) Estimated Cost: Rs. 205191/-only, Earnest money: Rs. 4100/- only, Time allowed: - Along with civil work

Work No. 11:- Providing and fixing LED Tube Fixture, LED Panel 1x1 ft, 2x2 ft, Mirror light, Bed light, Exhaust fan, Ceiling fan, Geysers, Air conditioner 1.5 tonne and other electrical accessories in Rest House Kotli, Distt- Mandi HP Estimated Cost: Rs. 262218/-only, Earnest money: Rs. 5300/- only, Time allowed: - One Month

Work No. 11:- Replacement of Old Post Top Lantern, Street Light fixture, Armored Cable in Rest House Kotli, Distt- Mandi HP Estimated Cost: Rs. 256370/-only, Earnest money: Rs. 5200/- only, Time allowed: - One Month.

Work No. 12:- C/o Ayurvedic Health Centre Building at Sain, Tehsil Sadar, Distt- Mandi HP (SH: Providing E.I therein) Estimated Cost: Rs. 295495/-only, Earnest money: Rs. 6000/- only, Time allowed: - One Month.

Work No. 13:- C/o Assistant Engineer, HPPWD Horticulture Sub Division Pandoh office-cum-Residence Building at Pandoh, Distt- Mandi HP (SH: Providing E.I therein) Estimated Cost: Rs. 492204/-only, Earnest money: Rs. 9850/- only, Time allowed: - Along with civil work

Work No. 14:- Replacement of EI in Assistant Engineer Residence at Churag, Tehsil Karsog Distt Mandi HP Estimated Cost: Rs. 132825/-only, Earnest money: Rs. 2700/- only, Time allowed: - One Month

Work No. 15:- Minor Repair of Lift OTIS make Machine No. TNR 9275 in JLN Govt. Engineering College Sunder Nagar Distt Mandi HP Estimated Cost: Rs. 299595/-only, Earnest money: Rs. 6000/- only, Time allowed: - One Month

Work No. 16:- C/o Cluster University Building at Govt. Degree College at Mandi Distt Mandi HP (SH: Providing street light fixture and Networking cable therein) Estimated Cost: Rs. 113728/-only, Earnest money: Rs. 2300/- only, Time allowed: - Two Months

NOTE:-

1. No contractor or his accredited agent shall be permitted to participate in the competition unless he holds a valid wiring license and have been duly registered in appropriate class in the HPPWD Department (Electrical)
2. No person or persons other than the contractor shall be issued tender documents unless he/they hold power of attorney duly registered under law. The tender of those contractors who are registered as dealer under H.P. General Sales Tax Act 1968 / GST and who have cleared all dues on accounts of tax will be entertained only.
3. The rates must be quoted in percentage (Above / Below) to the amount put to tender both in figures as well as in words otherwise tender will not be considered.
4. The eligible contractor should submit performance certificate for specialized jobs as required
5. Conduit pipe is to be laid simultaneously with the progress of civil work, wherever applicable
6. 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%.

Executive Engineer,
Electrical Division,
HPPWD, Mandi (H.P.)

No.PW-MED/TA/NIT/2022-2023-- 3142-91

Dated: 21/7/22

Copy forwarded to the following for information please:-

1. The Engineer-in-Chief, HPPWD, Nirman Bhawan, Nigam Vihar Shimla-1.
2. The Deputy Commissioner, Mandi District – Mandi H.P
3. The Chief Engineer (Mandi Zone), HPPWD, Mandi.
4. The Superintending Engineer (Elect.) HPPWD, Shimla-9
- ✓ 5. **The Executive Engineer (IT) o/o Engineer-in-Chief, HPPWD, Shimla through email: eeict-pwd-shi@hp.gov.in a/w copies of Schedule of Quantities for uploading the same on HPPWD web portal.**
6. The Sub Divisional Officer(Civil), Mandi District – Mandi H.P
7. The Commissioner, Municipal Corporation, Mandi District – Mandi HP
8. All the Assistant Engineers (Elect.) under this Division.
9. All the Heads of Branches in this office.
10. All the registered eligible Electrical contractor under this Division.

Executive Engineer,
Electrical Division,
HPPWD, Mandi (H.P.)

Certificate

It is certified that the tenders (item rate) as invited vide this office
NIT No. PW-MED-TA/NIT/2022-23-...3142-91..... dated 21/7/22 are
invited without press notice due to exigency of works in public interest.


Executive Engineer,
Electrical Division,
HPPWD, Mandi (H.P.)

Job-						Estimated Cost :- Rs. 295344/- Only
						Earnest Money :- Rs.5950/- Only
						Time :- One Month.
SCHEDULE OF QUANTITY						
Name of work:- A / A of EI in HPPWD Rest House at Prasardistt. Mandi (HP)						
S.No.	Description	Qty.	In Fig.	Rate In Words	Unit	Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HFR/LPVC insulated single core copper conductor cable as required complete in all respect as per entire satisfaction of engineer in charge. Make:- PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	22	Nos		Each	
2.00	Group C Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required complete in all respect as per entire satisfaction of engineer in charge. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).					
i)	5 amps Switch	120	Nos.		Each	
ii)	5 Amps Socket	55	Nos.		Each	
iii)	5/6 amps. 2-way Modular switch	22	Nos.		Each	
iv)	bell push	14	Nos.		Each	
3	Supplying and fixing G.I. Modular box of 140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required complete in all respect as per entire satisfaction of engineer in charge. Make:- ESS KAY/COSMO/Anchor/L&T.	20	Nos		Each	
4	Providing & fixing recess LED 2'X2' of 36 Watt to enhance the delight of occupants with comfortable experience through its classic design & glare free illumination of Twinkle make as per Cat no. LUXOTICA-PL-001-(R-1) complete with Connection,testing commissioning etc as required in all respect. Make : Wipro / Bajaj / Phillips / K-lite / (Twinkle) Lux Max / Jaquar.	1	No		Each	

5	Providing & fixing surface LED 1'X1' of 20 Watt to enhance the delight of occupants with comfortable experience through its classic design & glare free illumination of Twinkle make as per Cat no. LUXOTICA-PL-003-(R) complete with Connection,testing commissioning etc as required in all respect. Make : Wipro / Bajaj / Phillips / K-lite / (Twinkle) Lux Max / Jaquar.	13	Nos		Each
6	Providing & fixing surface LED Downlight. 12 Watt to enhance the delight of occupants with comfortable experience through its classic design & glare free illumination of Bajaj make as per cat no. BGSLO SLEEK 12W WH RD complete with Connection,testing commissioning etc as required in all respect Make : Wipro / Bajaj / Phillips / K-lite / (Twinkle) Lux Max / Jaquar.	40	Nos		Each
7	Providing and fixing Glazed LED 20 watt Batten High quality design aluminium extruded with decorative end caps complete with Connection,testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max.	13	Nos		Each
8	Supplying and fixing of 10 watt LED Mirror Light complete with all accessories including making connections, testing etc. as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / K-lite / (Twinkle) Lux Max / Jaquar.	13	Nos		Each
9	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 complete as required complete in all respect.	2	Set		Per Set
10	Extra for using salt and charcoal for pipe earth electrode complete as required complete in all respect.	2	Set		Per Set
11	Supplying and laying 6 SWG G.I. wire at 0.50 mtr below ground level for earth electrode conductor, including soldering etc. as required, complete in all respect.	25	Metre		Per Metre
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 complete in all respect. Make : L&T / Legrand / ABB/ SIEMENS.	8	Nos		Each
13	Single pole. Cat-A. 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 complete in all respect. Make : L&T / Legrand / ABB/ SIEMENS.	4	Nos		Each
	Double pole Cat-A				

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 complete in all respect Make : L&T / Legrand / Siemens.	6	Nos.		Each	
15	63 Amps. Cat-A. Supplying & fixing of five lamp Chandelier of Isha make for decorative light in the building as per cat no. CP5001 complete with all accessories connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	3	Nos.		Each	
16	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 complete in all respect. Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI .					
i)	3x1.5 Sq. mm.	100	Metre		Per Metre	
ii)	3x4.0 Sq. mm.	40	Metre		Per Metre	
iii)	3x6.0 Sq. mm.	4	Metre		Per Metre	
17	Supplying and fixing of following sizes of PVC 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 complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : AKG/ BEC / NIC/ Diplast.	40	Metre		Each	
18	25mm Dia Supplying and fixing following size modular base and cover plate on the existing modular metal boxes as required complete in all respect as per entire satisfaction of Engineer- in- Charge.					
i)	2 module	13	Nos.		Each	
ii)	6 module	43	Nos.		Each	
iii)	8 module	2	Nos.		Each	
iv)	12 module	14	Nos.		Each	
19	Supplying and fixing of 25 sq mm 2 core service wire complete with connection as required complete in all respect	50	Metre		Each	

[illegible]

Job- <u>2</u>							Estimated Cost :- Rs. 430384/- Only Earnest Money :- Rs. 8600/- Only Time :- Along with civil work.
SCHEDULE OF QUANTITY							
Name of Work : C/o Type 111-2 Nos, Type 11-3 Nos Qtrs for CHC Building Gadagushaini The Balichowki Distt Mandi HP (Sh:- Prov. E.I. in there in.)							
S.No.	Description	Qty.	In Figure	Rate		Unit	Amount
				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 PVC conduit and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FINOLEX.	105 Nos				Each	
2	Group A 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..PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI Cable make.						
i)	2x1.5 Sq. mm.	137 Metre				Per Metre	
ii)	2x4.0 Sq. mm.	200 Metre				Per Metre	
iii)	2x6.0 Sq. mm.	10 Metre				Per Metre	
iv)	2x10.0 Sq. mm.	5 Metre				Per Metre	
3	Wiring for circuit / sub-main 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. (4X4+2X4)HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respect as per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	60 Metre				Per Metre	
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 complete in all respect. Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	70 Metre				Per Metre	
	3x1.5 Sq. mm.						

5	Supplying and fixing metal box of 100mmx100mmx60mm 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 complete in all respect. Make- ESS ESS KAY / CONA /Anchor	38	Nos.			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 complete in all respect. Make- ESS ESS KAY / CONA /ANCHOR.	34	Nos.			Each	
7	Supplying and fixing bakelite batten/angle holder including connections etc. as required complete in all respect. Make:- Anchor , Cona , SSK	24	Nos.			Each	
8	Supplying and fixing call bell / buzzer, suitable for D.C./A.C. single phase, 230 volts complete as required complete in all respect. (ANCHOR /CONA / ESSESSKAY)	5	Nos			Each	
9	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 complete in all respect. Make : L&T / Legrand / Siemens.	53	Nos.			Each	
10	Single pole. Cat-A. 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 complete in all respect. Make : L&T / Legrand / Siemens...	5	Nos.			Each	
11	Double pole Cat-A 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 complete in all respect. Make : L&T / Legrand / SIEMENS.						
i)	Double Door 12 Way	3	Nos.			Each	
ii)	Double Door 16 Way	2	Nos.			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 complete in all respect.	3	Set			Per Set	
13	Extra for using salt and charcoal for G.I. or copper plate earth electrode complete as required complete in all respect.	3	Set			Per 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 complete in all respect.	78	Metre		Per Metre
15	Providing, Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required complete in all respect as per entire satisfaction of Engineer- In- Charge. Make : Usha / Bajaj / Anchor Panasonic.	14	Nos.		Each
16	Ceiling Fan 1200 mm sweep 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. - Make : Usha / Bajaj / havelis.	10	Nos.		Each
17	Exhaust Fan, Light duty, (Domestic) 300 mm sweep Supplying and erection of street light bracket made of G.I. pipe 'A' class of suitable length and dia, the pipe banded to give an angle of 100 to 110 degree fitted with bolt & nuts at the top of existing pole or wall including painting the pipe with two coats of approved paint over priming coat complete in all respects as required complete in all respect	2	Nos.		Each
18	32 mm dia. G.I. pipe, heavy class Providing and fixing LED 20 watt High quality design PC Batten with decorative end caps complete with Connection, testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make:-Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max / Anchor Panasonic.	18	Nos.		Each
19	Supplying and Fixing LED Street Light 25 Watt LED made up of pressure die cast aluminium housing with high power LED as lighting source and lens embedded PC Cover having TOP OPENING separate driver compartment with IP 66 protection and impact resistance of IK 07 luminaire complete with connection testing commissioning etc as required complete in all respect. Make: Bajaj/Siska/Jaquar/Philips	2	Nos.		Each
20	Providing & fixing surface LED Downlight 12 Watt to enhance the delight of occupants with comfortable experience through its classic design & glare free illumination complete with Connection, testing commissioning etc as required in all respect. complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max.	10	Nos.		Each
21	Providing & fixing surface LED Downlight 5 Watt to enhance the delight of occupants with comfortable experience through its classic design & glare free illumination complete with Connection, testing commissioning etc as required in all respect. complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max.	2	Nos.		Each

22	Supplying and fixing indoor decorative LED batten of 40 watt to enhance the delight of occupants with comfortable experience through classic design and glare free illumination of chair Electronics complete with Connection,testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Philips / Jaquar / (Twinkle) Lux Max .	18	Nos			Each	
23	Supplying and fixing of LED Mirror Light including making connections, testing etc. as required complete in all respect. Make : Wipro / Bajaj / Philips / Jaquar / (Twinkle) Luminaires .	2	Nos			Each	
Total:							


 Executive Engineer,
 Electrical Division,
 HP.PWD. Mandi (HP)

Job- 3							Estimated Cost :- Rs. 196505/- Only Earnest Money :- Rs.3950/- Only Time :- Along with civil work.
SCHEDULE OF QUANTITY							
Name of Work : C/o Type IV Qtrs for CHC Building Gadagushaini The Balichowki Distt Mandi HP (Sh- Prov. E.I. in there in.)							
S. No.	Description	Qty.	In Figure	Rate	In Words	Unit	Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit and earthing the light point with 1.5 Sq. mm. HRFR/PVC insulated single core copper conductor cable as required complete in all respect. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FINOLEX.	48	Nos			Each	
2	Group A Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.HRFR/PVC insulated single core copper conductor cable of same size for earthing as required. PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI Cable make						
i)	2x1.5 Sq. mm.	60	Metre			Per Metre	
ii)	2x4.0 Sq. mm.	55	Metre			Per Metre	
iii)	2x10.0 Sq. mm.	5	Metre			Per Metre	
3	Wiring for circuit / sub-main 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. (4X4+2X4)HRFR/PVC insulated single core copper conductor cable for earthing as required complete in all respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	40	Metre			Per Metre	
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 complete in all respect. Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI .	30	Metre			Per Metre	
	3x1.5 Sq. mm.						

5	Supplying and fixing metal box of 100mmx100mmx60mm 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 complete in all respect. Make- ESS KAY / CONA /Anchor	13	Nos.		Each
6	Supplying and fixing metal box of 180mmx100mmx80mm 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 complete in all respect. Make- ESS KAY / CONA /ANCHOR.	11	Nos.		Each
7	Supplying and fixing bakelite batten/angle holder including connections etc. as required complete in all respect. Make:- Anchor , Cona , SSK	5	Nos.		Each
8	Supplying and fixing call bell / buzzer, suitable for D.C./A.C. single phase 230 volts complete as required complete in all respect. (ANCHOR /CONA / ESSESSKAY)	1	No		Each
9	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 complete in all respect. Make : L&T / Legrand / Siemens.	21	Nos.		Each
10	Single pole. Cat-A. 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 complete in all respect. Make : L&T / Legrand / Siemens..	2	Nos.		Each
11	Double pole Cat-A 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 complete in all respect. Make : L&T / Legrand / SIEMENS.				
i)	Double Door 12 Way	1	No		Each
ii)	Double Door 16 Way	1	No		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 complete in all respect.	1	Set		Per Set
13	Extra for using salt and charcoal for G.I. or copper plate earth electrode complete as required complete in all respect.	1	Set		Per 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 complete in all respect.	17.6	Metre			Per Metre
15	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of Expansion-bolts with nuts and washers including embedding of expansion-bolts in the wall, 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 complete in all respect as per entire satisfaction of Engineer-in-Charge. (Make : Racold / Venus / Crompton Greaves / Usha.)	1	No			Each
16	25 Liter capacity water heater (Cal-A) 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 complete in all respect as per entire satisfaction of Engineer-in-Charge. Make : Usha / Bajaj / Anchor Panasonic.	5	Nos.			Each
17	Ceiling Fan 1200 mm sweep 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:- Make : Usha / Bajaj / havells.	3	Nos.			Each
18	Exhaust Fan, Light duty, (Domestic) 300 mm sweep Supplying and erection of street light bracket made of G.I. pipe 'A' class of suitable length and dia. the pipe bent to give an angle of 100 to 110 degree fitted with bolt & nuts at the top of existing pole or wall including painting the pipe with two coats of approved paint over priming coat complete in all respects as required complete in all respect	1	No			Each
19	32 mm dia. G.I. pipe, heavy class Providing and fixing LED 20 watt High quality design PC Batten with decorative end caps complete with Connection, testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make:-Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max / Anchor Panasonic.	6	Nos			Each
20	Supplying and Fixing LED Street Light 25 Watt LED made up of pressure die cast aluminium housing with high power LED as lighting source and lens embedded PC Cover having TOP OPENING separate driver compartment with IP 65 protection and impact resistance of IK 07 luminair complete with connection testing commissioning etc as required complete in all respect. Make: Bajaj/Siska/Jaquar/Philips	1	No			Each
21	Providing & fixing surface LED Downlight 12 Watt to enhance the delight of occupants with comfortable experience through its classic design & glare free illumination complete with Connection testing commissioning etc as required in all respect. complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max .	10	Nos.			Each

22	Providing & fixing surface LED Downlight 6 Watt to enhance the delight of occupants with comfortable experience through its classic design & glare free illumination complete with Connection,testing commissioning etc as required in all respect. complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max .	9	Nos.			Each
23	Supplying and fixing indoor decorative LED batten of 40 watt to enhance the delight of occupants with comfortable experience through classic design and glare free illumination of clair Electronics complete with Connection,testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max .	6	Nos			Each
24	Supplying and fixing of LED Mirror Light including making connections, testing etc. as required complete in all respect. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Luminaires .	2	Nos			Each
			Total:			


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Job-4							Estimated Cost :- Rs. 176112/- Only Earnest Money :- Rs. 3550 /- Only Time :- Along with civil work.
SCHEDULE OF QUANTITY							
Name of Work : C/o Govt.Senior Secondary School at Murah Tehsil Balichowki Distt Mandi HP (Sh- Prov. E.I. in there in.)							
S.No.	Description	Qty.	In Figure	Rate	In Words	Unit	Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FINOLEX.	45	Nos			Each	
2	Group C. 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. PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI Cable make.						
i)	2x1.5 Sq. mm.	70	Metre			Per Metre	
ii)	2x4.0 Sq. mm.	40	Metre			Per Metre	
iii)	2x6.0 Sq. mm.	10	Metre			Per Metre	
iv)	2x10.0 Sq. mm.	10	Metre			Per Metre	
3	Wiring for circuit / sub-main 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. (4X4+2X4)HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	10	Metre			Per Metre	
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 complete in all respect. Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI .	40	Metre			Per Metre	
	3x1.5 Sq. mm.						

5	Supplying and fixing metal box of 100mmx100mmx60mm 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 complete in all respect. Make- ESS KAY / CONA /Anchor	4	Nos.		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 complete in all respect. Make- ESS KAY / CONA /ANCHOR.	4	Nos.		Each	
7	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 complete in all respect. Make : L&T / Legrand / Siemens.	11	Nos.		Each	
8	Single pole, Cat-A. 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 complete in all respect. Make : L&T / Legrand / Siemens..	2	Nos.		Each	
9	Double pole Cat-A Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with lined 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 complete in all respect. Make : L&T / Legrand / SIEMENS.	1	No.		Each	
10	Double Door, 8 Way 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 complete in all respect.	1	Set		Per Set	
11	Extra for using salt and charcoal for G.I. or copper plate earth electrode complete as required complete in all respect.	1	Set		Per Set	
12	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required complete in all respect.	40	Metre		Per Metre	
13	Providing, Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required complete in all respect as per entire satisfaction of Engineer-in-Charge. Make : Usha / Bajaj / Anchor Panasonic.	12	Nos.		Each	
	Ceiling Fan 1200 mm sweep					

14	Supplying and erection of street light bracket made of G.I. pipe 'A' class of suitable length and dia. the pipe bended to give an angle of 100 to 110 degree fitted with bolt & nuts at the top of existing pole or wall including painting the pipe with two coats of approved paint over priming coat complete in all respects as required complete in all respect	2	Nos			Each	
15	32 mm dia. G.I. pipe, heavy class Providing and fixing LED Surface / pendant 1x1 20 watt Square pannel with aluminium die cast housing of superior quality complete with Connection,testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make: Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max .	7	Nos.			Each	
16	Providing and fixing LED 20 watt High quality design PC Batten with decorative end caps complete with Connection,testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make:-Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max / Anchor Panasonic.	24	Nos			Each	
17	Supplying and Fixing LED Street Light 25 Watt LED made up of pressure die cast aluminium housing with high power LED as lighting source and lens embedded PC Cover having TOP OPENING separate driver compartment with IP 66 protection and impact resistance of IK 07 luminaire complete with connection testing commissioning etc as required complete in all respect Make: Bajaj/Siska/Jaquar/Philips	2	Nos			Each	
Total:							


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Job-5						Estimated Cost :- Rs. 161430/- Only
						Earnest Money :- Rs 3250 /- Only
						Time :- Fifteen Days.
SCHEDULE OF QUANTITY						
Name of Work : Providing Ceiling Fans, Call bell , Computer Points , A.C. i.5 tone Capacity and Lan wiring in the office of Executive Engineer HPPWD Thalout Distt. Mandi H.P.						
S.No.	Description	Qty.	In Figure	Rate In Words	Unit	Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in PVC casing & capping and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FINOLEX.	16 Nos			Each	
2	Group C: 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 PVC casing & capping along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required complete in all respect. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.					
i)	2x1.5 Sq. mm.	50 Metre			Per Metre	
ii)	2x4.0 sq. mm.	20 Metre			Per Metre	
iii)	2x6.0 sq. mm.	15 Metre			Per Metre	
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 complete in all respect. Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI .	30 Metre			Per Metre	
4	3x1.5 Sq. mm. Supplying and fixing call bell / buzzer, suitable for D.C./A.C. single phase 230 volts complete as required complete in all respect. (ANCHOR /CONA / ESSESKAY)	7 Nos			Each	
5	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 complete in all respect. Make : Usha / Bajaj / Anchor Panasonic.	9 Nos			Each	
	Ceiling fan 1200 mm sweep Category -A					

6	Supplying and fixing 01 RJ-45 single for Cat-6 cable including connections, etc. as required complete in all respect as per entire satisfaction of Engineer-in-Charge.	8	Nos.			Each	
7	Supplying and laying of Cat-5 cable of approved make as required complete in all respect and as directed by the Engineer in charge.	80	Metre			Per Metre	
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 complete in all respect. Make : L&T / Legrand / Siemens.	6	Nos.			Each	
9	Single pole, Cat-A. Supplying and fixing box of 200mm x150mm x 75mm size with phenolic laminated sheet cover in recess including providing and fixing 3 nos. 6 pin 5/6 Amps piano type socket outlet 3Nos 5/6 Amps switch connections etc. as required complete in all respect. Make:- ESS / KAY / COSMO/Anchor	6	Nos.			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 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required complete in all respect. Make:- L&T / LEGRAND / SIEMENS.	2	Nos.			Each	
11	40 Amps. Cat-A. Supplying and fixing Air Conditioner of Lloyd/Samsung/ Voltas/ Carrier / IFB or equivalent make 1.5 tone capacity split type Hot and Cold including voltage stabilizer 4 KVA 230 volts AC supply and stand for outdoor AC unit complete with installation connection etc. as required complete in all respect.	1	No.			Each	
				Total:			


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Job- 6							Estimated Cost:- Rs. 290298/- only
							Earnest Money:- Rs. 5850/- only
							Time:- One Month.
Schedule Of Quantity							
Name of Work:- Providing rewiring in Ayurvedic Dispensary at Ghangnoo Tehsil -Sunder Nagar Distt. Mandi H.P.							
Sr. No	Description	Qty.	In figure	Rate In words	Units	Amount	
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect. Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI .	20	Nos		Each		
i) Group A		23	Nos		Each		
ii) Group C		11	Nos.		Each		
2	Supplying and fixing metal box of 100mmx100mmx60mm 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 complete in all respect..Make- ESS KAY / COSMO/Anchor	12	Nos.		Each		
3	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 complete in all respect. Make- ESS KAY / COSMO/Anchor	17	Nos		Each		
4	Providing and fixing Glazed LED 20 watt Batten High quality design aluminium extruded with decorative end caps complete with Connection,testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max	8	Nos.		Each		
5	Supplying and fixing bakelite batten/angle holder including connections etc. as required complete in all respect. Make: Anchor , CONA , ESS ESS KAY .						

6	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 complete in all respect. Make : Usha / Bajaj / Anchor Panasonic.	8	Nos			Each
7	Ceiling fan 1200 mm sweep (Category -A) 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 complete in all respect. Make: Bajaj, Usha, Anchor	3	Nos			Each
8	Exhaust Fan, Light duty, (Domestic) 300 mm sweep Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required complete in all respect. Make: ANCHOR, CONA, ESSESS KAY.	2	Nos			Each
9	Providing & fixing LED street light of 30 Watt with pressure die-cast housing along with prismatic polycarbonate diffuser and LED's with secondary optics and IP66 protection complete with Connection, testing commissioning etc as required in all respect. Make:- Wipro / Bajaj / Phillips / Jaguar.	5	Nos.			Each
10	Supplying and erection of street light bracket made of G.I. pipe 'A' class of suitable length and dia, the pipe banded to give an angle of 100 to 110 degree fitted with bolt & nuts at the top of existing pole or wall including painting the pipe with two coats of approved paint over priming coat complete in all respects as required complete in all respect	5	Nos			Each
11	40 mm dia. G.I. pipe, heavy class Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of Expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, 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 complete in all respect as per entire satisfaction of Engineer-in-Charge. (Make : Racold / Venus / Crompton Grievies /Usha.)	1	No			Each
12	35 Liter capacity water heater (Cat-A) 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 complete in all respect. Make : L&T / Legrand / ABB / SIEMENS.	19	Nos.			Each
	Single pole. Cat-A.					

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 complete in all respect. Make : L&T / Legrand / SIEMENS.	3	Nos.			Each
	Double pole Cat-A.					
14	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with lined 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 complete in all respect. Make : L&T / Legrand / SIEMENS.	1	Nos.			Each
i)	Double Door 12 Way					
ii)	Double Door 16 Way	1	Nos.			Each
15	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 complete in all respect. PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI Cable make.					
i)	2x1.5 Sq. mm.	105	Metre			Per Metre
ii)	2x4.0 Sq. mm.	90	Metre			Per Metre
iii)	2x10 Sq. mm.	6	Metre			Per Metre
16	Wiring for circuit / sub-main 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. (4X4+2X4)HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respect. PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI Cable make.	50	Metre			Per Metre
	Double pole.					
17	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 complete in all respect as per entire satisfaction of Engineer- in- Charge.	2	Set			Per Set

[illegible]

Job-7					Estimated Cost :- Rs. 186964/- Only
					Earnest Money :- Rs 3750 /- Only
					Time :- Fifteen Days.
SCHEDULE OF QUANTITY					
Name of Work : C/o First Floor for Childern Home in Tehsil Sunder Nagar Distt. Mandi H.P. (SH: Providing Balance work there in.)					
S No.	Description	Qty.	Rate	Unit	Amount
		In Figure	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 (HFRF) and low smoke single core (flexible) copper conductor cable in PVC casing & capping and earthing the light point with 1.5 Sq.mm. HFRF/PVC insulated single core copper conductor cable as required complete in all respect. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FINOLEX.	6 Nos		Per Metre	
2	Group A. Supplying and fixing metal box of 100mmx100mmx60mm 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 complete in all respect. Make- ESS KAY / CONA /Anchor	1 No.		Each	
3	Supplying and fixing metal box of 180mmx100mmx80mm 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 complete in all respect. Make- ESS KAY / CONA /ANCHOR.	2 Nos.		Each	
4	Wiring for circuit / sub-main with following size PVC insulated heat resistant flame retardant (HFRF) and low smoke single core (flexible) copper conductor cable in PVC casing & capping along with 1 No.HFRF/PVC insulated single core copper conductor cable of same size for earthing as required complete in all respect. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.				
i)	2x1.5 Sq. mm.	18 Metre		Per Metre	
ii)	2x4.0 sq.mm.	20 Metre		Per Metre	
iii)	2x10 sq.mm.	115 Metre		Per Metre	
5	Providing and fixing LED Surface mounted 2x2 36 watt Square pannel with aluminium die cast housing of superior quality complete with Connection,testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max .	2 Nos		Each	

6	Providing and fixing LED Surface / pendant 1x1 20 watt Square panel with aluminium die cast housing of superior quality complete with Connection testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max .	6	Nos.			Each	
7	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 complete in all respect. Make : L&T / Legrand / Siemens.	2	Nos.			Each	
8	Single pole. Cat-A. Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of Expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, 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 complete in all respect as per entire satisfaction of Engineer-in-Charge. Make : Racold / Bajaj / Usha.						
i)	25 Liter capacity water heater (Cat-A)	5	Nos			Each	
ii)	10 Liter capacity water heater (Cat-A)	2	Nos			Each	
9	Supplying and fixing G I modular Box of 205 mm x135mmx60mm size with modular plate and cover in recess including providing and fixing 3 Nos 5 pin 5/6 Amps modular socket outlet, 3 Nos 5/6 Amps modular switch, 1 No. 6 pin 15/16 Amps modular socket outlet, 1 No. 15/16 Amps modular switch as required etc. as required complete in all respect. Make : Legrand (Myrtu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class), (Computer Point)	1	No			Each	
10	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 complete in all respect. Make : Usha / Bajaj / Anchor Panasonic.	3	Nos			Each	
	Ceiling fan 1200 mm sweep Category -A						
					Total:		


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	Job:-							Estimated Cost:- Rs. 499071-only.	
								Earnest Money:- Rs. 10000/-only.	
								Time :- Along with civil work.	
SCHEDULE OF QUANTITY									
Name of work:- C/o Indoor Badminton Hall at Dhalpur Kullu(H.P) (SH:-Prov. E.I. there in)		Description		Qty.		Rate in figure.	Rate in words.		Unit
S.N									Amount
1.00		Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed Steel conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.		109	Nos.				Each
2.00		Group C. Wiring for twin control light point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed Steel conduit, with 2-way modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.		2	Nos.				Each
3.00		Group C. 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 complete in all respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.							
3.01		2x1.5 Sq. mm.		260	Metre				Per Metre
3.02		2x4.0 Sq. mm.		170	Metre				Per Metre
4.00		Wiring for circuit / sub-main with 2x10 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.10 Sq.mm. (4x10+2x10) HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.		80	Metre				Per Metre

5.00	Wiring for circuit / sub-main 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. (4X4+2X4)HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	80	Metre		Per Metre
6.00	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 complete in all respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	90	Metre		Per Metre
7.00	3x1.5 Sq. mm. Providing, laying and fixing of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade on surface etc. of the required size:-Cable Make : CCI/ Universal/ Finolex / Polycab / Rallison / Grandlay / KEI.	15	Metre		Per Metre
8.00	Armoured cable 16 sq. mm (four core) Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required complete in all respect as per entire satisfaction of Engineer- In- Charge. Make : Legrand (Myriui) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	11	Nos.		Each
9.00	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required complete in all respect as per entire satisfaction of Engineer- In- Charge. Make : Legrand (Myriui) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	11	Nos.		Each
10.00	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 complete in all respects per entire satisfaction of the Engineer in charge. Make : L&T / Legrand / Siemens.	27	Nos.		Each
11.00	Single pole. Cat-A. Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-Make : L&T / Legrand / Siemens.	3	Nos.		Each
	Double pole. Cat-A.				

12.00	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 complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Usha / Bajaj / Anchor Panasonic.	16	Nos.			Each
13.00	Exhaust Fan, Light duty, (Domestic) 300 mm sweep Providing and fixing following rating and breaking capacity, 4-pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required Make : L&T / Legrand / Siemens.	1	Nos.			Each
14.00	63 Amp. -16 KA Providing and fixing SS Enclosure For MCCB suitable upto 250A including drilling holes in the cubicle panel, making connections, etc. as required complete in all respects. Make : L&T / Legrand / Siemens.	1	Nos.			Each
	TOTAL					

Executive Engineer,
Electrical Division
HP.PWD. Mandi (HP)

Job No. 9						Estimated Cost:- Rs. 268900/- Only
						Earnest Money:- Rs. 5300/- only
						Time:- Along with civil work
Draft Schedule of Quantity						
NAME OF WORK :- C/O combined office building at DHARAMPUR DISTT MANDI (H.P) SH:-Laying Of steel/PVC Conduit						
Sr No.	Description	Qty.	Rate	rate 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 ,(Make :- AKG /BEC / NIC/ DIPLAST)					
	25mm Dia	1000			per metre	
2.00	Supplying and fixing of following sizes of PVC 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 ,(Make :- AKG /BEC / NIC/ DIPLAST)					
	25mm Dia	300			per metre	
3.00	Supplying and fixing of G.I Fan box as required complete in all respect ,(Make :- AKG /BEC / NIC/ DIPLAST)	50			Each	
					Total	


 H.P. Duggan,
 Electrical Division,
 HPPWD Mandi

Job- 10								Estimated Cost :- Rs. 205191/- Only
								Earnest Money :- Rs. 4100/- Only
								Time :- Along with civil work
SCHEDULE OF QUANTITY								
Name of work:- C/o Additional Alteration to A.E. Residence at Katrain, District Kullu H.P. (Providing E.I. there in)								
S.No.	Description	Qty.	In Fig.	In Words	Unit	Amount		
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect as per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	38	Nos.		Each			
2	Group B. 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 complete in all respect as per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.							
i)	2x1.5 Sq. mm.	85	Metre		Per Metre			
ii)	2x4.0 Sq. mm.	95	Metre		Per Metre			
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 complete in all respect Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.							
i)	3x1.5 Sq. mm.	30	Metre		Per Metre			
ii)	3x4.0 Sq. mm.	50	Metre		Per Metre			

4	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	18	Nos.			Each	
5	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	11	Nos.			Each	
6	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 complete in all respects per entire satisfaction of the Engineer in charge. Make : L&T / Legrand / Siemens.	12	Nos.			Each	
7	Single pole Cat-A. 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 complete in all respects per entire satisfaction of the Engineer in charge. Make : L&T / Legrand / Siemens.	1	No.			Each	
8	Double pole. Cat-A. 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 complete in all respects per entire satisfaction of the Engineer in charge. Make : L&T / Legrand / Siemens.	1	No.			Each	
9	63 Amps. Cat-A. 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,	1	No.			Each	
10	DD 16-Way 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 complete in all respect.	1	Set			Per Set	
11	Extra for using salt and charcoal for G.I. or copper plate earth electrode complete as required complete in all respect.	1	Set			Per Set	
12	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required complete in all respect.	15	Metre			Per Metre	

13	Providing and fixing LED 20 watt High quality design PC Batten with decorative end caps complete with Connection,testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make:-Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max / Anchor Panasonic.	2	Nos			Each	
14	Supplying and fixing of fancy LED wall bracket including making connections testing etc. as required complete in all respect.	4	Nos			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, 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 complete in all respect as per entire satisfaction of Engineer-in- Charge. (Make : Racold / Venus / Crompton Grieves /Usha.)	1	No.			Each	
i)	10 Liter capacity water heater (Cat-A)	1	No.			Each	
ii)	25 Liter capacity water heater (Cat-A)	1	No.			Each	
16	Providing and fixing Surface mounted Square LED downlight 6 Watt with Al die-cast body finish with drop down PC diffuser to deliver low glare illumination with optimized heat sink for efficient heat dissipation complete with Connection,testing commissioning etc as required in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max .	3	Nos			Each	
17	Providing and fixing Surface mounted Square LED downlight 12 Watt with Al die-cast body finish with drop down PC diffuser to deliver low glare illumination with optimized heat sink for efficient heat dissipation complete with Connection,testing commissioning etc as required in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max .	10	Nos			Each	
18	Providing and fixing LED bulk head of 10 Watt to enhance the delight of occupants with comfortable experience through its classic design & glare free illumination of complete with Connection,testing commissioning etc as required in all respect. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max .	9	Nos.			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 complete in all respect. Make : Usha / Bajaj / Anchor Panasonic.	3	Nos.			Each	
	Exhaust Fan, light duty, (Domestic) 300 mm sweep						

20	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 complete in all respect as per entire satisfaction of Engineer- In- Charge. Make : Usha / Bajaj / Anchor Panasonic.	4	Nos.		Each
	Ceiling Fan 1200 mm sweep				
	TOTAL				


 Executive Engineer,
 Electrical Division,
 HP.PWD-Mandi (HP)

Job No 111						Estimated Cost:- Rs. 262218/- only
						Earnest Money:- Rs. 5300/- only
						Time :- one month
Schedule of quantity						
Name of Work :-Prov & fixing LED Tube Fixture, LED LED Panel 1X1 ft, 2X2 ft, Mirror Light, Bed Light, Exhaust Fan, Ceiling fan, geysers, A.C 1.5 Capacity and						
S. No.	Description	Qty.	Rate	rate in words	unit	Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.MAKE:- FINOLE/ PLAZA/RR/UNITECH/BENTION/KEI	11	Nos.		EACH	
2	Group C. 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 PVC casing & capping and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.MAKE:- FINOLE/ PLAZA/RR/UNITECH/BENTION/KEI	9	Nos.		EACH	
3	Wiring for circuit/sub-main with 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.					
i	2x1.5 Sq. mm.	45	Meter		P/Meter	
ii	2x4Sq. mm.	25	Meter		P/Meter	
4	Wiring for light plug with PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in PVC casing & capping along with 1 No.1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.					
i	2x1.5 Sq. mm.	25	Meter		P/Meter	
ii	2x4Sq. mm.	20	Meter		P/Meter	
iii	2x10Sq. mm.	10	Meter		P/Meter	

5	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required. MAKE:- FINOLE/PLAZA/RR/UNITECH/BENTION/KEI								
i	3x1.5 Sq.mm.	12	Meter					P/Meter	
ii	3x4 Sq.mm.	8	Meter					P/Meter	
6	Providing and fixing of following sizes of PVC casing and capping on surface as required. Make :- POLY FIT / DIPLAST								
	20 mm x 12 mm.	15	Meter					PER METER	
7	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. POLY FIT / DIPLAST								
	20 mm. dia	15	Meter					PER METER	
8	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required. MAKE :-LEGRAND /(MYRIU)/L&T(ENTIC)/ANCHOR/SSK/ABB	2	Nos.					EACH	
9	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required. MAKE :-LEGRAND /(MYRIU)/L&T(ENTIC)/ANCHOR/SSK/ABB	2	Nos.					EACH	
10	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required. MAKE :-LEGRAND /(MYRIU)/L&T(ENTIC)/ANCHOR/SSK/ABB								
i	5/6 amps. 1-way Modular switch	58	Nos.					EACH	
ii	5 pin 5/6 amps. Modular socket outlet.	12	Nos.					EACH	
iii	15/6 amps. Modular switch	15	Nos.					EACH	
iv	6 pin 15/16 amps. Modular socket outlet.	15	Nos.					EACH	
v	Bell Push	4	Nos.					EACH	
11	Supplying & fixing Modular blanking plate on the existing modular metal box as required. MAKE :-LEGRAND /(MYRIU)/L&T(ENTIC)/ANCHOR/SSK/ABB								

	2 Module	2	Nos.		EACH
	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, 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:-				
12		2	Nos.		EACH
	i 25 Liter capacity water heater (Cat-A)				
	ii 10 Liter capacity water heater (Cat-A)	1	Nos.		EACH
13	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/C&S/GE				
	Single pole.(Category-A)	15	Nos.		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.MAKE :- LEGRAND / L&T/C&S/GE				
	Double pole(Category-A)	2	Nos.		EACH
15	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.				
	63 Amps.(Category-A)	2	Nos.		EACH
16	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required.MAKE :- LEGRAND / L&T/C&S/GE				
	4 way . Double door	7	Nos.		EACH
17	S/F of Muff for pole i/ ccement concrete , plastering , painting space for MCB Box (size 180mmx100mmx45mm)	7	Nos.		EACH

18	Supplying and fixing stepped type Modular fan regulator on the existing modular box including making connections etc. as required. MAKE :-LEGRAND / (MYRIU)/L&T(ENTIC)/ANCHOR/SSK/ABB	8	Nos.			EACH
19	Providing, Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 15/0.20 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/BAJAJ/ CROMPTON					
	Ceiling Fan 1200 mm sweep, Category-A	8	Nos.			EACH
20	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required. MAKE :- USHA/BAJAJ/ CROMPTON					
	Exhaust Fan, Light duty, (Domestic) 300 mm sweep	2	Nos.			EACH
21	Supplying and fixing wall bracket fitting single lamp with Opal glass with Nickel finishing Wall Lamp, holder cap E27, complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make :- JAQUAR (Cat no. JNL-CHR-WLSL5004E27)/C&S/Crompton/bajaj or Equivalent make.	10	Nos.			Each
22	Supplying and fixing LED mirror light including making connection testing etc. as required. Make :- WIPRO/ Philips/ Bajaj/ Jaquar	5	Nos.			Each
23	Supplying and fixing of fancy wall bracket containing thread type LED lamp holder(s) of all sizes and shapes, complete with all accessories but excluding LED lamp including making connections, testing etc. as required.					
	Bed side bracket, single swivel with shade (Category-A)	5	Nos.			EACH
24	Supplying and fixing LED Lamp 5 watt make including connections, testing and commissioning etc. as required complete in all respects and as directed by the Engineer-in- Charge. Make Make Twinkle / Great White/Syska / Opulus / Bajaj / Great White / Phillips etc.	14	Each			Each

25	Prov. & fixing LED surface/recess / pendant mounted 1x1 20 watt square aluminium die cast housing of superior quality complete with connection , commissioning as reqd. complete in all respect. Make Twinkle / Great White/Syska / Opulus / Bajaj / Great White / Phillips etc.	3	Nos.			Each
26	Prov. & fixing LED surface mounted 2x2 36 watt square panel with aluminium die cast housing of superior quality complete with connection , commissioning as reqd. complete in all respect. Make Twinkle / Great White/Syska / Opulus / Bajaj / Great White / Phillips etc.	12	Nos.			Each
27	Prov. & Fixing glazed LED 20 watt batten high quality design aluminium extruded with decorative end caps complete with connection , testing , commissioning etc as reqd. complete in all respect. Make Twinkle / Great White/Syska / Opulus / Bajaj / Great White / Phillips etc.	8	Nos.			EACH
28	Supplying and erection of street light bracket made of G.I. pipe 'A' class of suitable length and dia, the pipe bended to give an angle of 100 to 110 degree fitted with bolt & nuts at the top of existing pole or wall including painting the pipe with two coats of approved paint over priming coat complete in all respects as required:-					
	32 mm dia. G.I. pipe, heavy class	2	Nos.			EACH
29	P/F LED 30 Watt street light made up of pressure cast aluminium housing and enclosed with toughned glass IP 66 complete with connection testing etc. as respect. As reqd. complete in all respect. Make :- Wipro , Jaquere, Bajaj, Phillips etc.	2	Nos.			EACH
	Total					
	Less Dismantal credit		L/S			
	Total					1000

Executive Engineer
Elect Divn H.P.W.D.
Mandli (H.P.) 5001

Job 11 u)						Estimated Cost:- Rs. 256370/- only
						Earnest Money:- Rs. 5200/- only
						Time :- one month
Schedule of quantity						
Name of Work :-Replacement of old Post Top Lantern , street Light Fixture , Armoured Cable in Rest House at Kotli Distt. Mandi						
S. No.	Description	Qty.	Rate	rate in words	unit	Amount
1	Providing and laying of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade direct in ground; to be laid 1 meter below the ground level including excavation sand cushioning, protective covering and refilling the trench etc. of the required size:-MAKE:- CCI/UNIVERSAL/FINOLE/POLYCAB/RALLISON/G RANDLA	80			Per/Mtr	
2	Armoured cable 6 sq. mm (Twin core) Providing & fixing Post Top Lantern 40 watt of Twinkle make having cat no. Lumax --PT-151 GENIUS Small LED Post Top mounting (spigot dia 75/114 mm) PC/PMMA reflector seled with silicon compound and gasket along with refelector power LED energy saving lamp glare free performance adn high visual comfort non corrosive and vandal resistant complete with all accessories including making connections, testing etc. as required.	7			Nos.	Each
	Total					
	Less Dismantal credit				L/S	1000
	Total					


Secord Engineering
 Elect. Divn. H.P.R.W.D.,
 Mandi (H.P.)-175001

Job # 12

Estimated Cost :- Rs. 295495/- Only
Earnest Money :- Rs. 6000/- Only
Time :- Along with Civil Work

Schedule of Quantity						
Name of work:- C/O Ayurvedic Health Center building at sain Teh. sadar Distt. Mandi (H.P.)						
S. No.	Description	Qty.		Rate		Unit
				In figer	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 PVC conduit and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.MAKE:- FINOLEX/PLAZA/RR/UNITECH/BENTON/KEI	56	Nos			Each
2	Group C. 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.MAKE:- FINOLEX/ PLAZA/RR/UNITECH/BENTON/KE	90	Mtr.			P/Mtr.
	2x1.5 Sq. mm.	65	Mtr.			P/Mtr.
	2x4.0 Sq. mm.	5	Mtr.			P/Mtr.
	2x10 Sq. mm.	5	Mtr.			P/Mtr.
3	2x6.0 sq.mm. Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps, piano type switch, connections, painting etc. as required.MAKE :-LEGRAND /MYRIU/L&T/ENTIC)/ANCHOR/SSK/ABB	13	Nos			Each
4	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.MAKE :-LEGRAND /MYRIU/L&T/ENTIC)/ANCHOR/SSK/ABB	11	Nos			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.MAKE :- LEGRAND / L&T/C&S/GE	20	No			Each
	Single pole. Cat-A.					

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 MAKE :- LEGRAND / L&T/C&S/GE	2	No.			Each	
7	Double pole. Cat-A. 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. MAKE :- LEGRAND / L&T/C&S/GE	2	Nos			Each	
8	63 Amps. Cat-A Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required MAKE :- LEGRAND / L&T/C&S/GE	1	No.			Each	
9	Double door-16way Supplying and fixing sheet metal bus-bar chamber suitable for 63 Amp. 415 volts capacity with 4 No. copper strip bus-bars each of length 300mm & cross-sectional area (16mmx3.17mm), enclosure made from 1.6 mm thick M.S. sheet having overall dimensions (380mmx350mmx150mm) nominal with all accessories including connections, earthing the body etc. as required. MAKE :- LEGRAND / L&T/C&S/GE	1	Nos			Each	
10	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	Set.			P/Set.	
11	Extra for using salt and charcoal for pipe earth electrode complete as required.	1	Set.			P/Set.	
12	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	Mtr.			P/Mtr.	
13	Supplying and erection of wall mounted metal boards for switch gear mounting of suitable size, with permissible variation in size of plus minus 5mm, welded frame work made of M.S. angle iron 50 mm x 50 mm x 6 mm thick duly welded complete with 3mm thick M.S. sheet fixed with hinges as open able front, complete with locking arrangement including painting and bonding to the existing earth as required:-	0.5 sq mm	sq mm			P/sqmm	
14	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of Expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of Non-return valve, Dead weight safety valve, 2 No C.P. connection rods 18" long, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required. Make :- - Bajaj, Racold/ Crompton	1	Nos			Each	
15	15 Liter capacity water heater (Cat-A) 25 Liter capacity water heater (Cat-A) Supplying and fixing stepped type Modular fan regulator on the existing modular box including making connections etc. as required. MAKE :- LEGRAND / (MYRIU)/L&T(ENTIC)/ANCHOR/SSK/ABB	3	Nos			Each	
		8	Nos			Each	

16	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. MAKE :- USHA/BAJAJ/ CROMPTON	2	Nos				Each	
17	Ceiling Fan 1200 mm sweep. Category-A 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. MAKE :- USHA/BAJAJ/ CROMPTON							
18	Exhaust Fan, Light duty, (Domestic) 300 mm sweep Supplying and fixing bakelite batten/angle holder including connections etc. as required. MAKE :- LEGRAND / (MYRIU/L&T/ENTIC)/ANCHOR/SSK/ABB	9	Nos				Each	
19	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase. 230 volts complete as required. MAKE :- SSK/MK/CONA	1	Nos				Each	
20	Supplying and fixing of fancy wall bracket containing thread type CFL lamp holder (s) of all sizes and shapes, complete with all accessories but excluding CFL lamp including making connections, testing etc. as required. MAKE :- WIPRO/ Philips/ Bajaj/ Jaquar	4	Nos				Each	
21	Fixed type wall bracket 150 dia, single lamp. (Category-A) Prov. & Fixing glazed LED 20 watt batten high quality design aluminium extruded with decorative end caps complete with connection, testing, commissioning etc as reqd. complete in all respect. Make Twinkle / Great White/Syska / Opulus / Bajaj / Great White / Philips etc.	1	Nos				Each	
22	Supplying & fixing surface/ Recess. mounting LED slim downlighter with high efficient LED 'S' and glare free opal 12 watt including connection etc. as reqd. complete in all respect as per entire satisfaction of engineer in charge. Make Twinkle / Great White/Syska / Opulus / Bajaj / Great White / Philips etc.	3	Nos				Each	
23	Prov. & fixing LED surface mounted 1x1 20 watt square panel with aluminium die cast housing of superior quality complete with connection, commissioning as reqd. complete in all respect. Make Twinkle / Great White/Syska / Opulus / Bajaj / Great White / Philips etc.	13	Nos.				Each	
24	Prov. & fixing LED surface mounted 2x2 36 watt square panel with aluminium die cast housing of superior quality complete with connection, commissioning as reqd. complete in all respect. Make Twinkle / Great White/Syska / Opulus / Bajaj / Great White / Philips etc.	10	Nos.				Each	
25	Prov. & fixing LED surface mounted 2x2 36 watt square panel with aluminium die cast housing of superior quality complete with connection, commissioning as reqd. complete in all respect. Make Twinkle / Great White/Syska / Opulus / Bajaj / Great White / Philips etc.	6	Nos.				Each	
26	P/F LED 25 Watt street light made up of pressure cast aluminium housing and encloised with toughened glass IP 66 complete with connection testing etc. as respect. As reqd. complete in all respect. Make :- Wipro, Jaquar, Bajaj, Philips etc. MCCB 63 Amp. With spread linker @ 405 per set = 405 + 4930 = 5335 (With Under voltage & over voltage protection) of thermal release range 63-80 of L&T make Cat No. CM90518 OOJO type DU 100D breaking capacity 18 KA or Legrand make	1	Nos.				Each	

Account Engineer
Elect Divn. H.P.R.V.D.,
Mandi (H.P.) 175001

Job- 2/3	Estimated Cost- Rs. 49204/- only	Earnest Money- Rs. 9850/- only	Time- Along with civil work.				
Schedule Of Quantity							
Name of work:- Construction of Assistant Engineer HPPWD Horticulture Sub- div Pandoh Office cum Residence Building at Pandoh District Mandi HP SH- Prov. E.I. there in.)							
Sr. No.	Qty.	In figure	In words	Rate	Units	Amount	
1	32	Nos			Each		
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 complete in all respect. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.							
Group C.							
2	3	Nos			Each		
Wiring for twin control light point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with 2-way, 5/6 amps, piano type switch and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.							
Group C.							
3	7	Nos.			Each		
Supplying and fixing metal box of 100mmx100mmx60mm 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 complete in all respect. Make :- ESSESS KEY / COSMO /ANCHOR							
4	5	Nos.			Each		
Supplying and fixing Metal Box of 200 mm x150 mmx50mm size with modular plate and cover in recess including providing and fixing 3 Nos 6 pin 5/6 Amps piano type socket outlet, 3 Nos 5/6 Amps piano type switch, as required etc. as required complete in all respect. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class) (Computer Point)							
5	8	Nos.			Each		
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 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc. as required. complete in all respect. Make :- ESSESS KEY / COSMO /ANCHOR							
6	28	Nos			Each		
Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required. complete in all respect. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.							
Group B.							

7	Wiring for twin control light point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with 2-way, 5/6 amps. modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	9	Nos.			Each	
8	Group B. Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Legrand (Myrtu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	12	Nos.			Each	
9	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Legrand (Myrtu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	8	Nos.			Each	
10	Supplying and fixing G.I modular Box of 205mmx135mmx60mm size with modular plate and cover in recess including providing and fixing 3 Nos 5 pin 5/6 Amps modular socket outlet, 3 Nos 5/6 Amps modular switch, as required etc. as required complete in all respect complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Legrand (Myrtu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	1	No			Each	
11	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required complete in all respect. Make : Legrand (Myrtu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).						
i)	Telephone socket outlet, Modular.	4	Nos			Each	
ii)	TV. Socket outlet, modular.	3	Nos			Each	
12	Supplying and drawing following pair of Fire Retardant, PVC insulated 0.5 sq.mm. (FR-Flexible) copper conductor, flat, unarmoured, telephone cable in existing surface / recessed, steel / PVC conduit as required complete in all respect.	40	Metre			Per Metre	
13	2 Pair Supplying and laying of Cat-5 cable of approved make as required complete in all respect and as directed by the Engineer in charge.	60	Metre			Per Metre	
14	Supplying and drawing co-axial TV cable RG-6 grade 0.7mm (75 Ohms) copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface / recessed, steel / PVC conduit as required complete in all respect.	60	Metre			Per Metre	

15	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 complete in all respect as per entire satisfaction of Engineer-in-Charge. Make : AKG/ BEC / NIC/ Diplast.	100	Meire		Per Meire	
	25 mm. dia					
16	Supplying and fixing brass batten/angle holder including connections etc. as required complete in all respect. Make: Anchor , CONA , ESS ESS KAY .	6	Nos		Each	
17	Providing and fixing Surface mounted Square LED downlight 15 Watt with Al die-cast body finish with drop down PC diffuser to deliver low glare illumination with optimized heat sink for efficient heat dissipation complete with Connection,testing commissioning etc.as required in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max .	7	Nos		Each	
18	Providing and fixing LED recess / pendant 1x1 20 watt Square panel with aluminium die cast housing of superior quality complete with Connection,testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max .	10	Nos.		Each	
19	Providing and fixing LED Surface mounted 2x2 35 watt Square panel with aluminium die cast housing of superior quality complete with Connection,testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max .	10	Nos		Each	
20	Providing and fixing Glazed LED 20 watt Batten High quality design aluminium extruded with decorative end caps complete with Connection,testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max .	7	Nos		Each	
21	Supplying and fixing of Mirror Light LED lamp complete with all accessories including making connections, testing etc. as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / K-lite / (Twinkle) Lux Max / Jaquar.	4	Nos.		Each	
22	Supplying and fixing of fancy wall bracket LED lamp complete with all accessories including making connections, testing etc. as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / K-lite / (Twinkle) Lux Max / Jaquar.	7	Nos.		Each	
23	Providing and Fixing LED Street Light 30 Watt LED made up of pressure die cast aluminium housing with prismatic polycarbonate diffuser and LED's with secondary optics and IP 65 protection complete with connection testing commissioning etc as required complete in all respect. Make:- Wipro / Bajaj / Phillips / Jaquar .	5	Nos.		Each	
24	Supplying and erection of street light bracket made of G.I. pipe 'A' class of suitable length and dia, the pipe banded to give an angle of 100 to 110 degree fitted with bolt & nuts at the top of existing pole or wall including painting the pipe with two coats of approved paint over priming coat complete in all respects as required complete in all respect.	5	Nos.		Each	

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31	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 complete in all respect. Make L&T / LEGRAND / SIEMENS.							
i)	Double door-12 way	3	Nos				Each	
ii)	Double door-16 way	1	No.				Each	
32	Supplying and erection of 40/60/63 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 complete in all respect. Make : L&T / Legrand / Siemens.	4	Nos.				Each	
	Double pole Cat-A							
33	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 complete in all respect Make : L&T / Legrand / Siemens.	4	Nos.				Each	
	63 Amps. Cat-A.							
34	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 complete in all respect. Make : L&T / Legrand / Siemens.	35	Nos.				Each	
	Single pole. Cat-A.							
35	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HRFLS/PVC insulated single core copper conductor cable of same size for earthing as required complete in all respect Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CML.							
i)	2x1.5 Sq. mm.	200	Metre				Per Metre	
ii)	2x4.0 Sq. mm.	160	Metre				Per Metre	
iii)	2x6.0 Sq. mm.	6	Metre				Per Metre	

Job: <u>Plg</u>		Estimated Cost :- Rs. 132825/- Only	
		Earnest Money :- Rs. 2700/- Only	
		Time :- One Month.	
SCHEDULE OF QUANTITY			
Name of work:- Replacement of E.I. in Assistant Engineer Residence at Churag Tehsil - Karsog Distt Mandi H.P.			
S.No.	Description	Qty.	Rate
		In Fig.	In Words
			Unit
			Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect as per entire satisfaction of engineer in charge. Make:- PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	25 Nos	Each
2	Group B. Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required complete in all respect as per entire satisfaction of engineer in charge. Make:- ESS ESS KAY/COSMO/Anchor/L&T.	14 Nos	Each
3	Supplying and fixing G.I. Modular box off 140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required complete in all respect as per entire satisfaction of engineer in charge. Make:- ESS ESS KAY/COSMO/Anchor/L&T.	7 Nos	Each
4	Supplying and fixing bakelite batten/angle holder including connections etc. as required Complete in all respect. Make: ANCHOR , CONA , ESS ESS KAY .	1 No.	Each
5	Supplying and fixing call bell / buzzer, suitable for D.C./A.C. single phase 230 volts complete as required complete in all respect. (ANCHOR /CONA / ESSESKAY)	1 No.	Each
6	Providing & fixing surface LED Downlight 12 Watt to enhance the delight of occupants with comfortable experience through its classic design & glare free illumination complete with Connection,testing commissioning etc as required in all respect, complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max .	3 Nos	Each
7	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required complete in all respect. PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI cable make.		
i)	2x1.5 Sq. mm.	50 Metre	Per Metre

ii)	2x4.0 Sq. mm.		50	Metre			Per Metre
iii)	2x10 Sq. mm.		2	Metre			Per Metre
8	Wiring for circuit / sub-main with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke core (flexible) copper conductor cable in surface/recessed PVC conduit along with 2 No.4 Sq.mm. (4X4+2X4)HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respect. PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI cable make.		25	Metre			Per Metre
9	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 complete in all respect. Make : L&T / Legrand / ABB / SIEMENS.		10	Nos			Each
10	Single pole, Cat-A. Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with lined 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 complete in all respect. Make : L&T / Legrand / ABB / SIEMENS.		1	No.			Each
11	Double door-16 way 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 complete in all respect. Make : L&T / Legrand / ABB / SIEMENS.		1	No.			Each
12	Double pole Cat-A. 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 complete in all respect. Make : L&T / Legrand / Siemens.		1	No.			Each
13	63 Amps. Cat-A. 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 complete in all respect as per entire satisfaction of Engineer-in-Charge. Make: Bajaj , Usha, Anchor		2	Nos			Each
14	Exhaust Fan, Light duty, (Domestic) 300 mm sweep Supplying and fixing of LED fancy wall bracket including making connections, testing etc. as required complete in all respect. Make:- Wipro / Bajaj / Philips / Jaquar / (Twinkle) Luminaires .		5	Nos.			Each
15	Supplying and fixing of LED Mirror Light including making connections, testing etc. as required complete in all respect. Make : Wipro / Bajaj / Philips / Jaquar / (Twinkle) Luminaires .		1	No.			Each

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Executive Engineer
Electrical Division
HPPWD, Mandi

[illegible]

Job- 16							ESTIMATED COST :-Rs. 113728/- Only EARNEST MONEY :- Rs. 2300/- Only Time :- Along with civil work.
SCHEDULE OF QUANTITY							
Name of work:- Co Cluster University Building at Govt. Degree College at Mandi H.P (SH- Providing Street Light fixture and Networking cable there in)							
S.N	Description of items	Qty.	Rate in figure	Rate in words	UNIT	Amount	
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect as per entire satisfaction of engineer in charge. 1) Group C Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI .	6	Nos		Each		
2	Supplying and fixing of following sizes of PVC 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 complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : AKG/ BEC / NIC/ Diplast.	250	Metre		Each		
3	25mm Dia Supplying and laying Cat-6 cable of approved make as required complete in all respect.	650	Metre		Per Metre		
4	Supplying and Fixing LED Street Light 30 Watt LED made up of pressure die cast aluminium housing with high power LED as lighting source and lens embedded PC Cover having TOP OPENING separate driver compartment with IP 66 protection and impact resistance of IK 07 luminair complete with connection testing commissioning etc as required complete in all respect . Note : Bajaj / Wipro / Jaquar / Philips.	6	Nos.		Each		
TOTAL							

**Executive Engineer,
Electrical Division,
HP.PWD, Mandi (HP)**