

Through e-mail
e-mail: ee-elem-hp@nic.in
Ph. No. 01905-222172

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

NO. PW/MED/TA/NIT/ e-notice/2023-2024 308-26 Dated:- 18/04/23

To

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

Subject: - Publishing of Tender Notice

Sir,

Enclosed please find herewith **Tender Notice** a/w Schedule of Quantities for uploading the same on Departmental website as per Notification No. PBW-(B) 1/2020 dated 16.07.2021 as the works mentioned in the Tender Notice are urgent in nature and in public interest.


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

On behalf of Governor of Himachal Pradesh.

Copy forwarded to the following along with tender notice for information please:-

1. The Superintending Engineers, 1st Electrical Circle, HP-PWD, Shimla for information please.
2. All the Assistant Engineers working under this Division.
3. All the Head of Branches of this office.
4. Notice Board.


Executive Engineer
Electrical Division,
HP-PWD, Mandi.

**HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT**

NOTICE INVITING TENDER

Sealed Item / Percentage rate tender on Form No. 6&8 are invited by the Executive Engineer, Electrical Division, HPPWD, Mandi (H.P.) for the following works (Sr No. 1 to 22) from approved and eligible contractors enlisted in appropriate class in HPPWD (Electrical) department having valid Electrical license and for works at Sr No. 23, 24 and 25 from OEM of EPABX System, Video Surveillance System and Networking System respectively or authorized agency of OEM's, so as to reach in his office on or before 27.04.2023 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 26.04.2023 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 Zila Bachat Samiti Shops at Aut Bazaar, District Mandi HP (SH: Providing E.I therein) Estimated Cost: Rs. 499078/-only, Earnest money: Rs. 10000/- only, Time allowed: - Along with civil work.

Work No. 2:- C/o JE Office-cum- Residence at Chattri (A/A of PWD Qtrs 2nd floor) District Mandi HP (SH: Providing E.I therein) Estimated Cost: Rs. 102027/-only, Earnest money: Rs. 2050/- only, Time allowed: - Along with civil work.

Work No. 3:- C/o Indoor Badminton Hall at Dhalpur District Kullu HP (SH: Providing E.I therein) Estimated Cost: Rs. 492318/-only, Earnest money: Rs. 9850/- only, Time allowed: - Along with civil work

Work No. 4:- C/o Soil Testing Lab at Keylong District L&S HP (SH: Providing E.I therein) Estimated Cost: Rs. 395283/-only, Earnest money: Rs. 7900/- only, Time allowed: - Along with civil work

Work No. 5:- C/o Combined Office Building at Balichowki District Mandi HP (SH: Providing Yard Lighting and Cables therein) Estimated Cost: Rs. 438007/-only, Earnest money: Rs. 8800/- only, Time allowed: - Along with civil work

Work No. 6:- Providing LED panel in Multi Gymnasium Building at Keylong District - L&S HP Estimated Cost: Rs. 109692/-only, Earnest money: Rs. 2200/- only, Time allowed: - One Month.

Work No. 7:- Providing Yard lighting in Circuit House Mandi District - Mandi HP (SH: Balance work of yard lighting in Old Circuit House) Estimated Cost: Rs. 498821/-only, Earnest money: Rs. 10000/- only, Time allowed: - One Month

Work No. 8:- Replacement of Old Tube Fixture into LED and some wiring points in Chenab Valley Division Office at Udaipur District - L&S HP Estimated Cost: Rs. 111099/-only, Earnest money: Rs. 2250/- only, Time allowed: - One Month

Work No. 9:- Providing 2 Tonne Capacity Split Type Inverter Hot and Cold Air Conditioner in Additional Accommodation in 3rd Floor HPPWD Rest House at Dhanotu, Tehsil Sunder Nagar District Mandi HP Estimated Cost: Rs. 299295/-only, Earnest money: Rs. 6000/- only, Time allowed: - Along with civil work

Work No. 10:- C/o Type IV Quarters for Atal Adarsh Vidyalaya at Gudhari, Tehsil Chachiot, District Mandi HP (SH: Providing E.I therein) Estimated Cost: Rs. 383051/-only, Earnest money: Rs. 7700/- only, Time allowed: - Along with civil work.

Work No. 11:- C/o HEO-cum-Residence at HEC Jachh at Jhungi, District Mandi HP (SH: Providing E.I therein) Estimated Cost: Rs. 372543/-only, Earnest money: Rs. 7500/- only, Time allowed: - Along with civil work.

Work No. 12:- Providing and fixing LED Down light 15 watt, LED Panel 1'x1', 2'x2', Mirror light, Bed light, Exhaust fan, Street light fixture and other electrical accessories in Rest house Stahan, District Mandi HP Estimated Cost: Rs. 225715/-only, Earnest money: Rs. 4550/- only, Time allowed: - One Month

Work No. 13:- Rewiring of Assistant Engineer B&R Sub Division HPPWD Bhuntar District Kullu H.P Estimated Cost: Rs. 230529/-only, Earnest money: Rs. 4610/- only, Time allowed: - One Month

Work No. 14:- Special Repair of HPPWD Circuit House Kullu during Dusshera Festival 2022 District Kullu H.P Estimated Cost: Rs. 303964/-only, Earnest money: Rs. 6100/- only, Time allowed: - One Month

Work No. 15:- Hon'ble Prime Minister Visit in Mandi HP (SH: Providing and installation of Copper Earthing, 5 Amp Switch / Sockets, Safety Device, Wires and Cables therein) Estimated Cost: Rs. 247250/-only, Earnest money: Rs. 4950/- only, Time allowed: - Fifteen days.

Work No. 16:- Replacement of Old Post Lantern, Street Light Fixture, Armoured Cable in Rest House Stahan District Mandi Estimated Cost: Rs. 410213/- only, Earnest money: Rs. 8250/- only, Time allowed: - One Month.

Work No. 17:- C/o Veterinay Dispensary Building at Kasol District Kullu HP Estimated Cost: Rs. 150066/-only, Earnest money: Rs. 3050/- only, Time allowed: - Along with civil work

Work No. 18:- Shifting of Three phase meter of Atal Sadan and Minor Repair of Building at Kullu District Kullu HP Estimated Cost: Rs. 135760/-only, Earnest money: Rs. 2750/- only, Time allowed: - One Month

Work No. 19:- C/o ITI Building at Bagsaid, District Mandi HP (SH: Providing balance work of E.I therein) Estimated Cost: Rs. 344987/-only, Earnest money: Rs. 6900/- only, Time allowed: - Along with civil work

Work No. 20:- C/o Ayurvedic Dispensary at Behna District Mandi HP (SH: Providing E.I therein) Estimated Cost: Rs. 211930/-only, Earnest money: Rs. 4250/- only, Time allowed: - Along with civil work.

Work No. 21:- Rewiring of Police Thana Building at Killar Tehsil Pangi District Chamba HP Estimated Cost: Rs. 375195/-only, Earnest money: Rs. 7550/- only, Time allowed: - One Month

Work No. 22:- C/o Type-V Residential Quarter to Directorate of Technical Education at Sunder Nagar, District Mandi HP (SH: Providing E.I therein) Estimated Cost: Rs. 425985/-only, Earnest money: Rs. 8520/- only, Time allowed: - Along with civil work.

Work No. 23:- C/o Deputy Director Treasury Office-cum-Residence at Khaliyar, District Mandi HP (SH: Providing EPABX System therein) Estimated Cost: Rs. 238871/-only, Earnest money: Rs. 4800/- only, Time allowed: - Along with civil work

Work No. 24:- C/o Deputy Director Treasury Office-cum-Residence at Khaliyar, District Mandi HP (SH: Providing Video Surveillance System therein) Estimated Cost: Rs. 423909/-only, Earnest money: Rs. 8500/- only, Time allowed: - Along with civil work

Work No. 25:- Supplying, Installation, Testing and Commissioning of LAN and Networking Solutions at Deputy Director Treasury Office-cum-Residence at Khaliyar, District Mandi HP Estimated Cost: Rs. 319676/-only, Earnest money: Rs. 6400/- only, Time allowed: - Along with civil work

CERTIFICATE:-

It is Certified that tender of above works are invited without press notice due to exigency of works in public interest.

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

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/2023-2024-- 287-307

Dated: 18/04/23

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, 3rd Electrical Circle, HPPWD, Mandi HP
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. Notice Board

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

							Estimated Cost:- Rs. 4,99,078/- only
							Earnest Money:- Rs. 10000/- only
							Time :- Along with civil work
Draft Schedule of Quantity							
Name of work:- C/O Zila Bachat Samiti Shops at Aut Bazzar Distt. Mandi (SH:- prov. El therein)							
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:- FINOLEX/PLAZA/RR/UNITECH/BENTION/KEI	71	1259.00	one thousand two hundred fifty-nine	Each	89389.00	
2	Group C. Wiring for circuit wire 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. MAKE:- FINOLEX/PLAZA/RR/UNITECH/BENTION/KEI						
i	2x1.5 Sq. mm.	60	210.00	two hundred ten	P/Mtr.	12600.00	
ii	2x4.0 Sq. mm.	60	324.00	three hundred twenty-four	P/Mtr.	19440.00	
iii	2x6.0 sq.mm.	120	559.00	five hundred fifty-nine	P/Mtr.	67080.00	
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 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	36	304.00	three hundred four	Each	10944.00	

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	18	Nos	480.00	four hundred eighty	Each	8640.00
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.MAKE :- USHA/BAJAJ/ CROMPTON						
i	Ceiling Fan 1200 mm sweep, Category-A	18	Nos	3465.00	three thousand four hundred sixty-five	Each	62370.00
6	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	2224.00	two thousand two hundred twenty-four	Each	4448.00
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.MAKE :- LEGRAND / L&T/C&S/GE						
	Single pole, Cat-A.	36	No	281.00	two hundred eighty-one	Each	10116.00
8	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required.MAKE :- LEGRAND / L&T/C&S/GE						
	Double pole, Cat-A.	18	No.	1320.00	one thousand three hundred twenty	Each	23760.00

9	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	18	Nos	2063.00	two thousand sixty-three	Each	37134.00
10	Double door-6 way Supplying and fixing following rating, four pole (three phase & neutral) 415 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamps in the existing MCB DB complete with connections, testing and commissioning etc. as required. i) 40 amps cat A. MAKE :- LEGRAND / L&T/C&S/GE	18	Nos	3243.00	three thousand two hundred forty-three	Each	58374.00
11	Prov. & fixing glazed LED 40 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.	20	Nos	2905.00	two thousand nine hundred five	Each	58100.00
12	P/F LED 25 Watt street light made up of pressure cast aluminium housing and enclosed with toughened glass IP 66 complete with connection testing etc. as respect. As reqd. complete in all respect. Make :- Wipro , Jaquere, Lafaj, Phillips etc.	2	Nos.	2361	two thousand three hundred sixty-one	Each	4722.00
13	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:- 40 mm dia GI pipe	2	Nos.	720.00	seven hundred twenty	Each	1440.00
14	Supplying and fixing bakelite batten/angle holder including connections etc. as required:-	20	nos	85	eighty-five	Each	1700.00
15	Earthing with G.I. earth pipe 4.5 mtr. long and 40mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required.	3	set	5126	five thousand one hundred twenty-six	per set	15378.00

16	Extra for using salt and charcoal for pipe earth electrode complete as required.	3	set	1493	one thousand four hundred ninety-three	per set	4479.00
17	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	60	metre	46	forty-six	per metre	2760.00
18	Supplying & fixing DOWN LIGHT 12W light with aluminium housing, 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 Twinkle / Great White/Syska / Opulus / Bajaj / Great White / Phillips etc.	6	Nos	1034	one thousand thirty-four	Each	6204.00
Total							499078.00

Draft Schedule of Quantity checked and approved for RS. 4,99,078/- only.

HK
Executive Engineer
Electrical Division
HPPWD Mandi (H.P.) *D*

A hand-drawn diagram of a cell. It consists of a large, irregular oval shape representing the cell membrane. Inside this oval, there is a smaller, roughly circular shape representing the nucleus. The nucleus is filled with several short, parallel lines, and a single line crosses through it diagonally. The space between the nucleus and the cell membrane is also filled with short, parallel lines, representing the cytoplasm.

5	3x1.5 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 complete in all respect. Make- ESS ESS KAY / COSMO/Anchor	9	Nos.	269.00	Rupees Two hundred sixty nine only.	Each	2421.00
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 / COSMO/Anchor	6	Nos.	434.00	Rupees Four hundred thirty four only.	Each	2604.00
7	Supplying and fixing bakelite batten/angle holder including connections etc. as required Complete in all respect. Make: ANCHOR , CONA , ESS ESS KAY.	6	Nos.	79.00	Rupees Seventy nine only.	Each	474.00
8	Supplying and fixing call bell / buzzer, suitable for D.C./A.C. single phase 230 volts complete as required Complete in all respect. Make: ANCHOR , CONA , ESS ESS KAY.	1	No.	176.00	Rupees One hundred seventy six only.	Each	176.00
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.	258.00	Rupees Two hundred fifty eight only.	Each	2580.00
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 / ABB/ SIEMENS.	1	No.	1236.00	Rupees One thousand two hundred thirty six only.	Each	1236.00
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 / ABB / SIEMENS.	1	No.	2503.00	Rupees Two thousand five hundred three only.	Each	2503.00
	Double Door 12Way						

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 as required complete in all respect.	1	Set	4695.00	Rupees Four thousand six hundred ninety five only.	Per Set	4695.00
13	Extra for using salt and charcoal for pipe earth electrode complete as required complete in all respect.	1	Set	1404.00	Rupees One thousand four hundred four only.	Per Set	1404.00
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.	25	Metre	40.00	Rupees Forty only.	Per Metre	1000.00
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.	3	Nos.	2468.00	Rupees Two thousand four hundred sixty eight only.	Each	7404.00
	Ceiling Fan 1200 mm sweep						
16	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.	2058.00	Rupees Two thousand fifty eight only.	Each	4116.00
	Exhaust Fan, Light duty, (Domestic) 300 mm sweep						
17	Providing and fixing Glazed LED 20 Watt Batten high quality aluminium extruded with decorative end caps complete with connection ,testing commissioning as required complete in all respect. Make: Bajaj/Siska/Jaquar/Philips	6	Nos.	544.00	Rupees Five hundred forty four only.	Each	3264.00
	Total						102027.00


 Executive Engineer
 Electrical Division
 HPPWD, Mandi

Job- 3						Estimated Cost- Rs. 492318/-only. Earnest Money :- Rs. 9850/-only. Time :- Along with civil work.		
DRAFT SCHEDULE OF QUANTITY								
Name of work:- C/o Indoor Badminton Hall at Dhalpur Kullu (H.P.) (SH:-Prov. LED Fixtures there in) <i>Balance Note</i>								
S.N.	Description	Quantity	Rate in figure.	Rate in words.	Unit	Amount		
1.00	Supplying & fixing 10 Watt LED bulk head comprising of pressure die cast housing with acrylic diffuser (IP65 protection) 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/Bajaj/Twinkle.	15 Nos.	1291.00	Rupees One thousand two hundred ninety one only.	Each	19365.00		
2.00	Supplying & fixing LED TUBE 22W, Aluminium BATTEN, 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/Bajaj/Twinkle.	4 Nos.	565.00	Rupees Five hundred sixty five only.	Each	2260.00		
3.00	Supplying & fixing Mirror light comprising of cylindrical opal glass 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/Bajaj/Twinkle.	4 Nos.	1719.00	Rupees One thousand seven hundred nineteen only.	Each	6876.00		
4.00	Supplying & fixing 24 Watt Ultra slim LED panel made from extruded aluminium housing frame Surface/recess/pendant)1ft x1ft approx. 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/Bajaj/Twinkle.	18 Nos.	2179.00	Rupees Two thousand one hundred seventy nine only.	Each	39222.00		
5.00	Supplying & fixing 36 Watt Surface mounted LED panel made from extruded aluminium housing(surface)2ft x2ft 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/Bajaj/Twinkle.	1 Nos.	3656.00	Rupees Three thousand six hundred fifty six only.	Each	3656.00		
6.00	Providing & fixing 100 W LED High bay equipped with heat sink having input voltage AC 220 to 240 volts and operating range 80 to 330 volts having surge protection upto 4 Kv which conforms to IEC safety standard. Make:- Jaquar, Panasonic, Bajaj, C&S, or any other approved by Engineer-in-Charge. Make :-Jaquar/Bajaj/Twinkle.	36 Nos.	10035.00	Rupees Ten thousand thirty five only.	Each	361260.00		
7.00	Providing, Installation, testing and commissioning of ceiling fan with modular regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin core flexible, FRLS PVC, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required:- Make:-Usha/Bajaj/Anchor panasonic.	5 Nos.	2468.00	Rupees Two thousand four hundred sixty eight only.	Each	12340.00		
8.00	Ceiling Fan 1200 mm sweep Supplying & fixing 45 Watt LED Street light in aluminium pressure die cast housing with toughened glass cover (IP66 rating) 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 / Bajaj / Twinkle.	6 Nos.	2811.00	Rupees Two thousand eight hundred eleven only.	Each	16866.00		

9.00	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 : L&T / Legrand / Siemens.	1	Nos.	3090.00	Rupees Three thousand ninety only.	Each	3090.00
10.00	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.	1	Set	4695.00	Rupees Four thousand six hundred ninety five only.	Per Set	4695.00
11.00	Extra for using salt and charcoal for pipe earth electrode complete as required complete in all respect.	2	Set	1404.00	Rupees One thousand four hundred four only.	Per Set	2808.00
12.00	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.	30	Metre	40.00	Rupees Forty only.	Per Metre	1200.00
13.00	Providing and fixing of lightning conductor finial, made of 25 mm dia. 300 mm long G.I. tube, having single prong at top, with 85 mm dia 6 mm thick copper base plate including holes etc. complete as required complete in all respect.	1	Nos.	453.00	Rupees Four hundred fifty three only.	Each	453.00
14.00	Supplying and fixing G.I. tape 20mmx3mm thick on parapet or surface of wall for lightning conductor as required complete in all respect. (for horizontal run)	30	Metre	104.00	Rupees One hundred four only.	Per Metre	3120.00
15.00	Supplying and fixing G.I. tape 20mmx3mm thick on parapet or surface of wall for lightning conductor as required complete in all respect. (for VERTICAL run)	40	Metre	101.00	Rupees One hundred one only.	Per Metre	4040.00
16.00	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 miliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required complete in all respectas per entire satisfaction of the Engineer in charge. Make : L&T / Legrand / Siemens.	3	Nos.	3689.00	Rupees Three thousand six hundred eighty nine only.	Each	11067.00
	63 Amps. Cat-A.						
	TOTAL						492318.00


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

					Estimated cost:- Rs. 395283/- only
					Earnest Money :- Rs. 7900/- only
					Time :- Along with civil work
Draft Schedule of quantity					
NAME OF WORK:- C/o Soil testing lab at Keylong Distt. L&S (H.P) (Ground & First Floor) (SH:- Prov. E.I therein)					
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 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.	35	1923	Rupees one thousand nine hundred twenty three only	Each 67305.00
2	Group C 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	10	336	Rupees Three hundred thirty six only	Each 3360.00
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 / CONA /ANCHOR.	15	543	Rupees five hundred forty three only	Each 8145.00
4	Supplying and fixing Metal boxes of 200mmx150mmx75mm 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 3 Nos. outlet and 5/6 amps, piano type switch, 3 Nos. connections, painting etc. as required.	1	539	Rupees five hundred thirty nine only	Each 539.00
5	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required complete in all respect. Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI /BIYANI / GEMSCAB / CMI.				

i	2x1.5 Sq. mm.	60	Metre	358	Rupees three hundred fifty eight only	Per Metre	21480.00
ii	2x4.0 Sq. mm.	70	Metre	493	Rupees four hundred ninety three only	Per Metre	34510.00
iii	2x10.0 Sq. mm.	10	Metre	844	Rupees eight hundred forty four only	Per Metre	8440
6	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 steal 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. Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CML.	40	Metre	799	Rupees seven hundred ninety nine only	Per Metre	31960
7	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.						
	3X1.5 Sq mm	20	Metre	113	Rupees one hundred thirteen only	Per Metre	2260.00
8	MCCB 100 Amp with spread linker @ 425 per set = 425+10800 = 11225 (With under voltage & over voltage protection) of Thermal Release range 100-125 of L&T Make Cat No. CM90642 OOLO Type DU 100D breaking capacity 25 KA as required complete in all respect.	1	Nos.	7678	Rupees seven thousand six hundred seventy eight only	Each	7678.00
9	Supplying and fixing sheet metal bus-bar chamber suitable for 100 Amp. 415 volts capacity with 4 No. copper strip bus-bars each of length 600mm & cross-sectional area (25.4mmx3.17mm), enclosure made from 1.6 mm thick M.S. sheet having overall dimensions (680mmx400mmx150mm) nominal with all accessories including connections, earthing the body etc. as required:-	1	Nos.	5056	Rupees five thousand fifty six only	Each	5056.00
10	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:-						
	Armoured cable 35 sq. mm (3.5 core)	50	metre	641	Rupees six hundred forty one only	Each	32050.00

11	Providing & fixing Surface 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-(S) complete with Connection,testing commissioning etc as required in all respect.	15	Nos.	4870.00	Rupees four thousand eight hundred seventy only	Each	73050.00
12	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 .	5	Nos	680.00	Rupees six hundred eighty only	Each	3400.00
13	Supplying and fixing bakelite batten/angle holder including connections etc. as required complete in all respect. Make: Anchor , CONA , ESS ESS KAY .	5	Nos.	99	Rupees ninety nine only	Each	495.00
14	Providing & fixing surface LED Downlight 8 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. Make:- Wipro / Bajaj / Phillips / Jaquar .	5	Nos	923	Rupees nine hundred twenty three only	Each	4615.00
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:-						
	25 Liter capacity water heater (Cat-A)	2	Nos.	16024	Rupees sixteen thousand twenty four only	Each	32048.00
16	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:-						
	Exhaust Fan, Light duty, (Domestic) 300 mm sweep	3	Nos	2993	Rupees two thousand nine hundred ninety three only	Each	8979.00

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 luminair complete with connection testing commissioning etc as required complete in all respect. Make:- Wipro / Bajaj / Phillips / Jaquar .	2	No.	3230.00	Rupees three thousand two hundred thirtyonly	Each	6460.00
18	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:- Make:- Wipro / Bajaj / Phillips / Jaquar .	2	No.	905.00	Rupees nine hundred five only	Each	1810.00
19	40 mm dia. G.I. pipe, heavy class 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.	18	Nos.	320.00	Rupees three hundred twenty only	Each	5760.00
20	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.	1545.00	Rupees one thousand five hundred forty five only	Each	3090.00
21	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.	2	Nos.	4193	Rupees four thousand one hundred ninety three only	Each	8386.00
22	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 complete in all respect. Make : L&T / Legrand / SIEMENS.						

i	Double Door 12 Way	1	Nos	3129	Rupees three thousand one hundred twenty nine only	Each	3129
ii	Double Door 16 Way	1	Nos	4030.00	Rupees four thousand thirty only	Each	4030
23	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	5869	Rupees five thousand eight hundred sixty nine only	Per Set	11738
24	Extra for using salt and charcoal for pipe earth electrode complete as required complete in all respect.	2	Set	1755.00	Rupees one thousand seven hundred fifty five only	Per Set	3510.00
25	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	Set	50.00	Rupees fifty only	Per Set	2000.00
						TOTAL	395283.00

Draft schedule of quantity checked and approved for Rs 395,283/- only

[Signature]
Executive Engineer,
Electrical Division,
HPPWD Mandi (HP)

Job- 5							Estimated Cost:- Rs. 438007/- only	
							Earnest Money:- Rs. 8800/- only	
							Time:- Along with civil work .	
DRAFT SCHEDULE OF QUANTITY								
NAME OF WORK:- C/o Combined Office building at Balichowki Distt.Mandi (HP) (SH):- Prov. Yard light & cable there in)								
Sr. No.	Description	Qty.	Rate In figure	In words	Units	Amount		
1	Supply and erection Campus LED steel pole with LED fitting double arm bracket fixture are made of Die cast aluminium base and spun aluminium top fitted with LED PT Module,Power LED's are mounted directly on inbuilt extruded Alum. Heat Sinks. AUV stabilized injection moulded P.C. diffuser is provided for glare Free lighting with high Visual comfort as required complete with all respect as per the satisfaction of the Engineer-in-charge.Make:- Twinkle / Bajaj / K-lite .	1	Nos. 78542.00	Rupees SeventyEight Thousand Five Hundred FourtyTwo Only	Each	78542.00		
2	Supply and erection Campus LED steel pole with LED fitting single arm bracket fixture are made of Die cast aluminium base and spun aluminium top fitted with LED PT Module,Power LED's are mounted directly on inbuilt extruded Alum. Heat Sinks. AUV stabilized injection moulded P.C. diffuser is provided for glare Free lighting with high Visual comfort as required complete with all respect as per the satisfaction of the Engineer-in-charge.Make:- Twinkle / Bajaj / K-lite .	5	Nos. 54385.00	Rupees FiftyFour Thousand Three Hundred EightyFive Only	Each	271925.00		
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 .	40	Metre 90.00	Rupees Ninety Only	Per Metre	3600.00		
4	3x1.5 Sq. mm. Wiring for power plug with 2x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.4 Sq.mm. HRFR/LS/PVC insulated single core copper conductor cable for earthing as required complete in all respect. Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI .	100	Metre 297.00	Rupees Two Hundred NinetySeven Only	Per Metre	29700.00		
5	Supply and fixing Campus LED post top fixture are made of cast aluminium housing with power LED are mounted directly on extruded alum, heat sinks UV stabilizer PC/PMMA diffuser is provided for glare free lighting with high visual comfort as required complete with all respect as per the satisfaction of the Engineer-in-charge.Make:- Twinkle / Bajaj / K-lite .	3	Nos. 15170.00	Rupees Fifteen Thousand One Hundred Seventy Only	Each	45510.00		

6	Providing and laying of vitrified floor tiles of size 600X600 in matt finish with water absorption less than 0.08% and conforming to I.S 15622 in all colors & shade complete in all respect	5	Square Metre	1746.00	Rupees One Thousand Seven Hundred FortySix Only	Per Square Metre	8730.00
	TOTAL						438007.00

*DNIT checked and approved
for ₹ 4,38,007/- only*

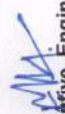
H.S.
Executive Engineer,
Electrical Division,
HP.PWD. Mandi (HP)

						Estimated Cost:- Rs. 1,09,692/- only
						Earnest Money:- Rs. 2200/- only
						Time:- One Month
Draft Schedule of Quantity						
Name of work:- Providing LED panel in multi gymnasium building at Keylong Distt. L&S						
Sr.No	Description	Qty	Rate	Rate in words	Unit	Amount
1	Supplying & fixing 36 Watt Ultra slim LED panel made from extruded aluminium housing frame Surface/recess/pendant)2ft x2ft complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects as per entire satisfaction of Engineer- in- Charge. Make:- Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Luminaires .	27 Nos	3896.00	Rupees Three Thousand Eight Hundred NinetySix Only	Each	105192.00
2	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC cond .it as required complete in all respects as per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.					
	3x1.5 Sq. mm.	50	90.00	Rupees Ninety Only	Per Metre	4500.00
					Total	109692.00

Draft schedule of quantity checked & approved for
Rs 109692/-

Executive Engineer
Electrical Division
HPPWD-Mandi

Job- 7							Estimated Cost:- Rs. 498821/- only	
							Earnest Money:- Rs. 10000/- only	
							Time :- One Month.	
Draft Schedule of quantity								
NAME OF WORK:- Prov. Yard light in circuit house Mandi (H,P) (SH:- Balance work of yard light in old circuit house mand)								
Sr. No.	Description	Qty.	In figure	Rate	Units	Amount		
				In words				
1	Supply and erection Campus LED steel pole with LED fitting double arm bracket fixture are made of Die cast aluminium base and spun aluminium top fitted with LED PT Module,Power LED's are mounted directly on inbuilt extruded Alum. Heat Sinks. AUV stabilized injection moulded P.C. diffuser is provided for glare Free lighting with high Visual comfort as required complete with all respect as per the satisfaction of the Engineer-in-charge.Make:- Twinkle / Bajaj / K-lite.	3	78542.00	Rupees SeventyEight Thousand Five Hundred FortyTwo Only	Each	235626.00		
2	Supply and erection Campus LED steel pole with LED fitting single arm bracket fixture are made of Die cast aluminium base and spun aluminium top fitted with LED PT Module,Power LED's are mounted directly on inbuilt extruded Alum. Heat Sinks. AUV stabilized injection moulded P.C. diffuser is provided for glare Free lighting with high Visual comfort as required complete with all respect as per the satisfaction of the Engineer-in-charge.Make:- Twinkle / Bajaj / K-lite.	4	54385.00	Rupees FiftyFour Thousand Three Hundred EightyFive Only	Each	217540.00		
3	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 complete in all respect. Make :- KEI / CCI / Universal / Finolex / Rallison / Grandlay . Armoured cable 6 sq. mm (twin core)	85	229.00	Rupees Two Hundred TwentyNine Only	Per Metre	19465.00		
4	Providing and laying of vitrified floor tiles of size 600X600 in matt finish with water absorption less than 0.08% and conforming to I.S 15622 in all colors & shade complete in all respect	15	1746.00	Rupees One Thousand Seven Hundred FortySix Only	Per Square Metre	26190.00		
	TOTAL					498821.00		


 Executive Engineer,
 Electrical Division ,
 HPPWD Mandi

									Estimated Cost:- Rs. 111099/- only
									Earnest Money:- Rs. 2250/- only
									Time:- One Month
Draft Schedule of Quantity									
Name of work:- Replacement of old tube fixture into LED and some wiring points in Chenab valley Division office at Udaipur Diss. L&S									
Sr.No	Description	Qty	Rate	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. PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI Cable make. Group C.	20 Nos.	721.00	Each	14420.00				
2	Wiring for circuit / sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in 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. PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI Cable make.								
i	2x1.5 Sq. mm.	30 Metre	172.00	Per Metre	5160.00				
ii	2x4.0 Sq. mm.	30 Metre	280.00	Per Metre	8400.00				
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. ESS ESS KAY / COSMO make.	3 Nos	434.00	Each	1302.00				
4	Supplying and fixing metal box of 150mmx75mmx60mm 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.	4 Nos	269	Each	1076.00				
5	Supplying & fixing 36 Watt Surface mounted LED panel made from extruded aluminium housing(surface)2ft x2ft complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects as per entire satisfaction of Engineer- in- Charge. Make:- Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Luminaires.	2 Nos.	3896.00	Each	7792.00				
6	Supplying & fixing DOWN LIGHT 12W light recess round/square with aluminium housing,complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge	12 Nos.	1014.00	Each	12168.00				

7	Supplying & fixing LED TUBE 20W.PC BATTEN, 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/Twinkle/Panasonic.	30	Nos.	544.00	Rupees Five Hundred FortyFour Only	Each	16320.00
8	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 / Anchor Panasonic.	3	Nos.	2058.00	Rupees Two Thousand FiftyEight Only	Each	6174.00
9	Exhaust Fan, light duty, (Domestic) 300 mm sweep Supplying and fixing following rating Piano-type switch /socket on the existing switch box / cover including connections etc. as required complete in all respect. ESS ESS KAY / COSMO make.						
i	S.P. 5/ 6 Amps one way switch, piano type.	4	Nos	41.00	Rupees FortyOne Only	Each	164.00
ii	5 pin 5/ 6 Amps socket outlet, porcelain base/ piano type.	4	Nos	60.00	Rupees Sixty Only	Each	240.00
iii	S.P. 15/ 16 Amps one way switch, piano type.	6	Nos	130	Rupees One Hundred Thirty Only	Each	780.00
iv	5 pin 15/ 16 Amps socket outlet, porcelain base/ piano type.	6	Nos	140	Rupees One Hundred Forty Only	Each	840.00
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.						
	SP Cat-A	5	Nos.	258.00	Rupees Two Hundred FiftyEight Only	Each	1290.00
11.00	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.	2	Nos.	1236.00	Rupees One Thousand Two Hundred ThirtySix Only	Each	2472.00
	Double pole. Cat-A.						
12.00	Providing and fixing LED 25 watt Street Light with lens made up of pressure die cast aluminium housing and enclosed with toughened glass IP66 luminair complete with connection, testing commissioning etc as required in all respect complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Wipro / Twinkle. / Bajaj / Led Lum.	2	Nos	2581.00	Rupees Two Thousand Five Hundred EightyOne Only	Each	5162.00
13.00	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 as per entire satisfaction of Engineer- in- Charge.	2	Nos	468.00	Rupees Four Hundred SixtyEight Only	Each	936.00
	32 mm dia. G.I. pipe, heavy class						

14.00	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required:-	3	Nos.	255.00	Rupees Two Hundred FiftyFive Only	Each	765.00
15.00	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 / Usha.)	2	Nos	12819.00	Rupees Twelve Thousand Eight Hundred Nineteen Only	Each	25638.00
	25 Liter capacity water heater (Cat-A)					TOTAL	111099.00

Draft schedule of quantity attached 24/11/2018

25 11099/-

[Signature]
Executive Engineer
Electrical Division
HPPWD Mandi

Job- 9							Estimated cost:- Rs 299295/- only
							Earnest Money :- Rs.6000/- Only
							Time :- Along with civil work.
Draft Schedule Of quantity							
Name of work:- Providing 2 tone capacity split type Inverter Hot and cold AC in Additional Accommodation in 3rd Floor HPPWD Rest House at Dhanotu Tehsil SunderNagar							
Distt. Mandi H.P.							
Sr.No	Description	Qty	Rate in figure	Rate in words	Unit	Amount	
1.00	Supplying and fixing of 2 tone capacity split type Inverter Hot and Cold AC, including copper pipe, drain pipe and stand for out door AC unit complete with installation connection etc. as required complete in all respect. Make:- Voltas / Bluestar / Mitsubishi.	3 Nos	99765.00	Rupees NinetyNine Thousand Seven Hundred SixtyFive Only	Each	299295.00	
					TOTAL	299295.00	

Draft schedule of Quantity checked and approved for RS. 299295/- only.

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

5.03	2x6 Sq. mm.	10	Metre	487.00	Rupees Four hundred eighty seven only.	Per Metre	4870.00
6.00	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 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 respect. PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI cable make.	40	Metre	555.00	Rupees Five hundred fifty five only.	Per Metre	22200.00
7.00	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 respect.i) 3X1.5 SQ. MM. PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI cable make.	30	Metre	77.00	Rupees Seventy seven only.	Per Metre	2310.00
8.00	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 respect. i) Single pole. Cat-A. Make : L&T / Legrand / ABB/ SIEMENS.	26	Nos	217.00	Rupees Two hundred seventeen only.	Each	5642.00
9.00	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. i) Double pole Cat-A Make : L&T / Legrand / ABB/ SIEMENS.	2	Nos	1138.00	Rupees One thousand one hundred thirty eight only	Each	2276.00
10.00	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. i) Double door-16 way Make : L&T / Legrand / ABB/ SIEMENS.	2	Nos	2748.00	Rupees Two thousand seven hundred forty eight only.	Each	5496.00
11.00	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	3483.00	Rupees Three thousand four hundred eighty three only.	Per Set	3483.00
12.00	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.	1	Set	1256.00	Rupees One thousand two hundred fifty six only.	Per Set	1256.00
13.00	Supplying and laying 8 SWG Copper wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required complete in all respect.	30	Metre	25.00	Rupees Twenty five only.	Per Metre	750.00
14.00	Supplying and fixing bakelite batten/angle holder including connections etc. as required complete in all respect. Make: Anchor , CONA , ESS ESS KAY .	6	Nos.	69.00	Rupees Sixty nine only.	Each	414.00

15.00	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. i) Ceiling fan 1200 mm sweep (Category -A) Make : Usha Ultimate / Bajaj Ultima / Anchor Panasonic.	10	2759.00	Rupees Two thousand seven hundred fifty nine only.	Each	27590.00
16.00	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. i) Exhaust Fan, Light duty, (Domestic) 300 mm sweep Make: Bajaj , Usha, Anchor	6	2394.00	Rupees Two thousand three hundred ninety four only.	Each	14364.00
17.00	Providing and fixing Glazed LED 40 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 .	12	2757.00	Rupees Two thousand seven hundred fifty seven only.	Each	33084.00
18.00	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 : Bajaj/Phillips/Anchor.	2	183.00	Rupees One hundred eighty three only.	Each	366.00
19.00	Supplying and fixing of LED fancy wall bracket of superior quality, complete with all accessories including making connections, testing etc. as required complete in all respect. Make : Bajaj/Phillips/Anchor.	8	941.00	Rupees Nine hundred forty one only.	Each	7528.00
20.00	Supplying and fixing of LED Mirror Light of superior quality, complete with all accessories including making connections, testing etc. as required complete in all respect. Make : Bajaj/Phillips/Anchor.	4	823.00	Rupees Eight hundred twenty three only.	Each	3292.00
21.00	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. Make : Racold / Bajaj / Usha.	4	10819.00	Rupees Ten thousand eight hundred nineteen only.	Each	43276.00
22.00	25 Liter capacity water heater (Cat-A) Supplying and fixing of LED Bulb 9 watt as required complete in all respect.	14	314.00	Rupees Three hundred fourteen only.	Each	4396.00
23.00	Providing and fixing LED Bulk Head luminaires 10 watt energy efficient for upgrading conventional GLS Bulk Head luminaires to LED Bulk Head IP 65 luminaires complete with Connection,testing commissioning 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.	6	2841.00	Rupees Two thousand eight hundred forty one only.	Each	17046.00

24.00	Providing and fixing. Surface mounted Square LED downlight 8 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.	6	Nos	738.00	Rupees Seven hundred thirty eight only.	Each	4428.00
	Total						383051.00
	<i>Draft schedule of quantity checked and approved</i>						
	<i>for Rs. 383051/- only.</i>						
				<i>dt:</i>			
				Executive Engineer			
				Electrical Division			
				HPMWD, Mandi			

JOB- 11

Estimated Cost :- Rs. 372543/- Only
 Earnest Money :- Rs. 7500/- Only
 Time :- Along with civil work.

DRAFT SCHEDULE OF QUANTITY

Name of work:- C/o H.E.O. cum Residence at H.E.C. Jachh Junghri Distt Mandi (SH:- Providing E.I. there in)

S.No.	Description	Qty.	Rate		Unit	Amount
			In Figure	In Words		
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 respect. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI/L&T	29	Nos	1038.00	Rupees One Thousand ThirtyEight Only	30102.00
1.01	Group A.					
1.02	Group C.	15	Nos	1701.00	Rupees One Thousand Seven Hundred One Only	25515.00
2.00	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. ESS ESS KAY/COSMO/Anchor/L&T.	8	Nos	484.00	Rupees Four Hundred EightyFour Only	3872.00
3.00	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. ESS ESS KAY/COSMO/Anchor/L&T.	11	Nos	607.00	Rupees Six Hundred Seven Only	6677.00
4.00	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.					
4.01	2x1.5 Sq. mm.	160	Metre	315.00	Rupees Three Hundred Fifteen Only	50400.00
4.02	2x4.0 Sq. mm.	125	Metre	429.00	Rupees Four Hundred TwentyNine Only	53625.00
4.03	2x10 Sq. mm.	20	Metre	731.00	Rupees Seven Hundred ThirtyOne Only	14620.00
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 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.	65	Metre	694.00	Rupees Six Hundred NinetyFour Only	45110.00
6.00	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 respect. i) Single pole. Cat A. Make : L&T / Legrand / ABB / SIEMENS.	19	Nos	281.00	Rupees Two Hundred EightyOne Only	5339.00
7.00	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. i) Double pole Cat-A Make : L&T / Legrand / ABB/ SIEMENS.	3	Nos	1320.00	Rupees One Thousand Three Hundred Twenty Only	3960.00

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19.00	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 : Bajaj/Phillips/Anchor.	3	Nos	279.00	Rupees Two Hundred SeventyNine Only	Each	837.00
20.00	Providing and fixing LED SURFACE mounted 1x1 luminaire to enhance the daylight of occupants with comfortable experience through its classic design & glare free illumination of Bajaj make complete with Connection, testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Bajaj /Siska/Jaquar/ Phillips.	7	Nos	2073.00	Rupees Two Thousand SeventyThree Only	Each	14511.00
21.00	Providing & fixing Surface LED downlight square 15 watt to enhance the daylight of occupants with comfortable experience through its classic design & glare free illumination of Bajaj make complete with Connection, testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Bajaj /Siska/Jaquar/ Phillips.	2	Nos	1086.00	Rupees One Thousand EightySix Only	Each	2172.00
22.00	Providing and fixing LED Bulk Head luminaires 10 watt energy efficient for upgrading conventional GLS Bulk Head luminaires to LED Bulk Head IP 65 luminaires complete with Connection, testing commissioning 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.	3	Nos	1600.00	Rupees One Thousand Six Hundred Only	Each	4800.00
23.00	Supplying and fixing G.I. Modular box of Sutable size with modular plate and cover in recess including providing and fixing 3 No 5 pin 5/6 amps modular socket outlet and 3No 5/6 amps, modular switch, connections etc. as required complete in all respect	4	Nos	702.00	Rupees Seven Hundred Two Only	Each	2808.00
24.00	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.						
	25 Liter capacity water heater (Cat-A)	1	Nos	10819.00	Rupees Ten Thousand Eight Hundred Nineteen Only	Each	10819.00
	10 Liter capacity water heater (Cat-A)	1	Nos	9018.00	Rupees Nine Thousand Eighteen Only	Each	9018.00
	Total						372543.00

Draft schedule of Quantity checked and approved for Rs. 372543/- only.

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

Job No. 12

Job-12		Draft Schedule Of Quantity		Estimated Cost- Rs. 225715/- only	
NAME OF WORK:- Providing and fixing LED Down Lighter 15 watt, LED Panel 1'x1', 2'x2', Mirror Light, Bed Light, Exhaust fan, Street Light Fixture and other electrical accessories in Rest House Stahan Dist Mandi HP.		Earnest Money- Rs. 4550/- only		Time:- One Month	
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 (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 / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	2 Nos.	748.00	Rupees Seven hundred forty eight only.	Each 1496'00
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 surface/recessed 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 / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	4 Nos.	721.00	Rupees Seven hundred twenty one only.	Each 2884.00
3	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 complete in all respect. Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.				
i)	2x1.5 Sq. mm.	25 Metre	145.00	Rupees One hundred forty three only.	Per Metre 3625.00
ii)	2x4.0 Sq. mm.	15 Metre	238.00	Rupees Two hundred thirty five only.	Per Metre 3570.00
4	Wiring for circuit / sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in 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 / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.				
i)	2x1.5 Sq. mm.	20 Metre	126.00	Rupees One hundred twenty six only.	Per Metre 2520.00

ii)	2x4.0 Sq. mm.	15	Metre	217.00	Rupees Two hundred seventeen only.	Per Metre	3255.00
iii)	2x6.0 Sq. mm.	10	Metre	496.00	Rupees Four hundred ninety six only.	Per Metre	4960.00
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 complete in all respect Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.						
i)	3x1.5 Sq.mm.	12	Metre	77.00	Rupees Seventy seven only.	Per Metre	924.00
ii)	3x4.0 Sq.mm.	8	Metre	172.00	Rupees One hundred seventy two only.	Per Metre	1376.00
6	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 complete in all respect as per entire satisfaction of Engineer- in- Charge. Cable Make : CCI/ Universal/ Finolex / Polycab / Rallison / Grandlay / KEI.	80	Metre	229.00	Rupees Two hundred twenty nine only.	Per Metre	18320.00
7	Armoured cable 6 sq. mm (twin core) Providing and fixing of following sizes of PVC casing and capping on surface as required: complete in all respect. 20 mmx 12 mm Make :- AKG/ BEC / NIC/ Diplast.	15	metre	43.00	Rupees Forty three only.	Per Metre	645.00
8	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.	15	Metre	72.00	Rupees Seventy two only.	Per Metre	1080.00
9	25 mm. dia 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).	2	Nos.	485.00	Rupees Four hundred eighty five only.	Each	970.00
10	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).	2	Nos.	587.00	Rupees Five hundred eighty seven only.	Each	1174.00

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 (Myritu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).						
i)	5/6 amps. 1-way Modular switch	45	Nos	58.00	Rupees Fifty eight only.	Each	2610.00
ii)	5 pin 5/6 amps. Modular socket outlet.	10	Nos	116.00	Rupees One hundred sixteen only.	Each	1160.00
iii)	S.P. 15/ 16 Amps one way Modular switch.	10	Nos	109.00	Rupees One hundred nine only.	Each	1090.00
iv)	6 pin, 15/16 Amps Modular socket outlet.	10	Nos	167.00	Rupees One hundred sixty seven only.	Each	1670.00
v)	Bell push, Modular	4	Nos	82.00	Rupees Eighty two only.	Each	328.00
12	Supplying & fixing Modular blanking plate on the existing modular metal box as required complete in all respect.	1	No.	40.00	Rupees Forty only.	Each	40.00
13	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.	1	No	10819.00	Rupees One thousand four hundred thirty three only.	Each	10819.00
	25 Liter capacity water heater (Cat-A)						
14	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.	7	Nos.	217.00	Rupees Two hundred seventeen only.	Each	1519.00
	Single pole, Cat-A.						
15	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..	1	No.	1138.00	Rupees One thousand one hundred thirty eight only.	Each	1138.00
	Double pole Cat-A						
16	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamps in the existing MCB DB complete with connections, testing and commissioning etc. as required complete in all respect Make : L&T / Legrand / Siemens.	1	No.	3358.00	Rupees Three thousand three hundred fifty eight only.	Each	3358.00
	63 Amps. Cat-A.						

17	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.	7	Nos	1935.00	Rupees One thousand nine hundred thirty five only.	Each	13545.00
18	Double door-8 way Supplying and fixing of muff for pole including cement concrete, plastering, painting space for MCB Box (Size 180mm x100mm x45mm) as required complete in all respect.	7	Nos	1000.00	Rupees One thousand only.	Each	7000.00
19	Supplying and fixing stepped type Modular fan regulator on the existing modular box including making connections etc. as required complete in all respect. Make : Usha / Bajaj / Anchor Panasonic.	5	Nos.	374.00	Rupees Three hundred seventy four only.	Each	1870.00
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. Make : Usha / Bajaj / Anchor Panasonic.	5	Nos	2318.00	Rupees Two thousand three hundred eighteen only.	Each	11590.00
21	Ceiling fan 1200 mm sweep (Category-A) Supplying and fixing of LED fancy wall bracket 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	941.00	Rupees Nine hundred forty one only.	Each	3764.00
22	Supplying and fixing of 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 / Jaquar.	3	Nos.	823.00	Rupees Eight hundred twenty three only.	Each	2469.00
23	Supplying and fixing of LED Bed side bracket, single swivel with shade 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 / Jaquar.	3	Nos.	1178.00	Rupees One thousand one hundred seventy eight only.	Each	3534.00
24	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.	1	No.	3038.00	Rupees Three thousand thirty eight only.	Each	3038.00
25	Providing and fixing LED Surface mounted 2x2 36 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.	1	No.	3401.00	Rupees Three thousand four hundred one only.	Each	3401.00

26	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.	10	Nos	646.00	Rupees Six hundred forty six only.	Each	6460.00
27	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.	81053.00	Rupees Eighty one thousand fifty three only.	Each	81053.00
28	Providing and laying Full body vitrified floor tiles of size 600 x 600 in mat finished with water absorption less than 0.08 % and conforming to I.S. 15622 of approved make, in all colours and shade, in skirting, riser of steps, 12mm thick bed of cement mortar 1:3 (1 cement : 3 Coarse sand), joining with grey cement slurry @ 3.3 kg / sqm including grouting the joint with white cement & matching pigments complete in all respect as per entire satisfaction of the Engineer in charge.	10	Square Metre	1746.00	Rupees One thousand seven hundred forty six only.	Per Square Metre	17460.00
						Total:-	225715.00

draft schedule of quantity checked & approved by
22.5.15

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

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9.00	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 PVC conduit along with 1 No.6 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	25	Metre	588	Rupees Five Hundred EightyEight Only	Per Metre	14700
10.00	Supplying & fixing wall bracket fitting Single lamp with Opal Globe glass with Nickel finishing Wall Lamp holder cap E14, 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/Bajaj/Kliffe.	4	Nos.	2649	Rupees Two Thousand Six Hundred FortyNine Only	Each	10596
11.00	Supplying and fixing bakelite batten/angle holder including connections etc. as required:-	1	Nos.	85	Rupees EightyFive Only	Each	85
12.00	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required:-	7	Nos.	279	Rupees Two Hundred SeventyNine Only	Each	1953
13.00	Supplying & fixing 36 Watt Surface mounted LED panel made from extruded aluminium housing(surface) 2ft x2ft 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/Twinkle/Panasonic.	3	Nos.	3887	Rupees Three Thousand Eight Hundred EightySeven Only	Each	11661
14.00	Supplying & fixing 45 Watt LED Street light in aluminium pressure die cast housing with toughened glass cover (IP66 rating) 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/Twinkle/Panasonic.	2	Nos.	2811	Rupees Two Thousand Eight Hundred Eleven Only	Each	5622
15.00	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 PVC casing & capping along with 1 No. 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	65	Metre	182	Rupees One Hundred EightyTwo Only	Per Metre	11830
16.00	Wiring for power plug with 2x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in PVC casing & capping along with 1 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	120	Metre	297	Rupees Two Hundred NinetySeven Only	Per Metre	35640
17.00	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 PVC casing & capping along with 1 No.6 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	25	Metre	557	Rupees Five Hundred FiftySeven Only	Per Metre	13925
18.00	Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in PVC casing & capping along with 2 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	50	Metre	483	Rupees Four Hundred EightyThree Only	Per Metre	24150
19.00	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. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	18	Nos.	281	Rupees Two Hundred EightyOne Only	Each	5058
20.00	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 (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	3	Nos.	1320	Rupees One Thousand Three Hundred Twenty Only	Each	3960

	Double pole.(Category-A)								
21.00	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 (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).						0	0	
I	40 Amps.(Category-A)	1	Nos.	2900	Rupees Two Thousand Nine Hundred Only	Each		2900	
II	63 Amps (Category-A)	2	Nos.	3931	Rupees Three Thousand Nine Hundred ThirtyOne Only	Each		7862	
	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus- bar, wire-set, neutral link, earth bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:- Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).						0	0	
I	Double door-8 way	1	Nos.	2193	Rupees Two Thousand One Hundred Ninety Three Only	Each		2193	
II	Double door-12 way	2	Nos.	2693	Rupees Two Thousand Six Hundred NinetyThree Only	Each		5386	
22.00	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. Extra for using salt and charcoal for pipe earth electrode complete as required.	1	Set	5126	Rupees Five Thousand One Hundred TwentySix Only	Per Set		5126	
23.00	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	30	Metre	46	Rupees One Thousand Four Hundred NinetyThree Only	Per Set		1493	
					Rupees FortySix Only	Per Metre		1380	

On a schedule of quantity
checked and as affected
for 2,230,529, 1 - only
11/15

Executive Engineer
Elect. Division, H.P.P.W.D.
Mandi (H.P.)

Job- 14						Estimated Cost- Rs. 303964/-only.
						Earnest Money :- Rs 6100/-only.
						Time :- One Month
Draft Schedule of quantity						
Name of Work:- Special Repair of HP PWD Circuit House Kullu during 2022 Dushehra Festival.						
Sr.No	Description	Qty	Rate	Unit	Amount	
1.00	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required complete in all respect.					
i	3x1.5 sq. mm	70	98.00	Per Metre	6860.00	
II	3x4 sq. mm	70	218.00	Per Metre	15260.00	
2.00	Supplying & fixing following size modular base and Glass cover plate on the existing modular metal boxes as required complete in all respect.					
I	2 modules	12	1408.00	Each	16896.00	
II	4 modules	10	1937.00	Each	19370.00	
III	6 modules	12	2609.00	Each	31308.00	
IV	12 modules	4	4032.00	Each	16128.00	
3.00	Supplying and fixing of G.I. modular boxes of following sizes along with modular base and cover plate for modular switches in recess as required complete in all respects and to the best satisfaction of Engineer-in-charge.					
I	2 modules	12	212.00	Each	2544.00	

II	4 modules	10	Nos.	424.00	Rupees Four Hundred TwentyFour Only	Each	4240.00
III	6 modules	12	Nos.	621.00	Rupees Six Hundred TwentyOne Only	Each	7452.00
IV	12 modules	4	Nos.	953.00	Rupees Nine Hundred FiftyThree Only	Each	3812.00
4.00	Supplying and fixing DOWN LIGHT 12W light with aluminium housing, complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	18	Nos.	1022.00	Rupees One Thousand TwentyTwo Only	Each	18396.00
5.00	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 respects and to the best satisfaction of Engineer-in-charge.	2	Nos.	2188	Rupees Two Thousand One Hundred EightyEight Only	Each	4376.00
	Exhaust Fan, Light duty. (Domestic) 300mm sweep						
6.00	Supplying & fixing LED TUBE 22W, Aluminium BATTEN, complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	12	Nos.	808.00	Rupees Eight Hundred Eight Only	Each	9696.00
7.00	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.						
i	10 amps. one-way Modular switch	50	Nos.	157.00	Rupees One Hundred FiftySeven Only	Each	7850.00
ii	16 amps. one-way Modular switch	10	Nos.	318.00	Rupees Three Hundred Eighteen Only	Each	3180.00
iii	10 amps. 5 pin Modular socket	16	Nos.	426.00	Rupees Four Hundred TwentySix Only	Each	6816.00
iv	16 amps. 6 pin Modular socket	10	Nos.	426.00	Rupees Four Hundred TwentySix Only	Each	4260.00

V	Bell Push Modular	4	Nos.	327.00	Rupees Three Hundred TwentySeven Only	Each	1308.00
vi	Two way switch Modular switch	6	Nos.	288.00	Rupees Two Hundred EightyEight Only	Each	1728.00
8.00	Supplying & fixing 36 Watt Recess mounted LED panel made from extruded aluminium housing(recess) 1ft x4ft complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge..	1	No.	5019.00	Rupees Five Thousand Nineteen Only	Each	5019.00
9.00	Supplying & fixing HANGING LIGHT 4 LAMP Glass with Rose Gold finishing Pendant 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.	1	No.	9216.00	Rupees Nine Thousand Two Hundred Sixteen Only	Each	9216.00
10.00	Supplying & fixing HANGING LIGHT 5 LAMP Glass with Rose Gold finishing Pendant 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.	1	No.	8512	Rupees Eight Thousand Five Hundred Twelve Only	Each	8512
11.00	Supplying & fixing wall bracket fitting Double lamp with Opal Globe glass with Nickel finishing Wall Lamp holder cap E14, ,complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	2	Nos.	3582	Rupees Three Thousand Five Hundred EightyTwo Only	Each	7164
12.00	Supplying & fixing wall bracket fitting Single lamp with Opal Globe glass with Nickel finishing Wall Lamp holder cap E14, ,complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	11	Nos.	2878	Rupees Two Thousand Eight Hundred SeventyEight Only	Each	31658
13.00	Supplying & fixing Bollard light fitting Single 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.	5	Nos.	1945	Rupees One Thousand Nine Hundred FortyFive Only	Each	9725
14.00	Supplying & fixing Table Lamp excluding LED Lamp , complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	2	Nos.	2227.00	Rupees Two Thousand Two Hundred TwentySeven Only	Each	4454
15.00	Supplying & fixing LED Hanging/Pendant fixture , complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	4	Nos.	2509.00	Rupees Two Thousand Five Hundred Nine Only	Each	10036

16.00	Providing and fixing LED BULB 10 W B22 / E27/E14 base cap connections, etc. as required complete in all respects.	28	Nos.	195.00	Rupees One Hundred NinetyFive Only	Each	5460
17.00	Supplying & fixing FOOTLIGHT 3W with base, glass diffuser, complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	16	Nos.	1035.00	Rupees One Thousand ThirtyFive Only	Each	16560
18.00	Supplying & fixing Mirror light comprising of cylindrical opal glass complete with	8	Nos.	1835.00	Rupees One Thousand Eight Hundred ThirtyFive Only	Each	14680
	TOTAL						303964.00


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

Job-15				Estimated Cost - Rs. 247250/- Only
				Earnest Money - Rs.4950/- Only
				Time - Fifteen Days.

DRAFT SCHEDULE OF QUANTITY

NAME OF WORK: Hon'ble Prime minister visit in Mandi H.P. (SH: Providing and Installation of Copper Earthing, 5Amp. Switch / Sockets, 15 Amp. Switch / Sockets, Safety devices, wires and cables there in.)

S.No	Description	Qty.	In Figure	Rate	Unit	Amount
1	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 PVC conduit along with 1 No.HRFR/LS/PVC insulated single core copper conductor cable of same size for earthing as required complete in all respect. Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI .					
i) 1	2x1.5 Sq. mm.	130	143.00	Rupees One Hundred FortyThree Only	Per Metre	18590.00
ii) 2	2 core cable.	110	250.00	Rupees Two Hundred Fifty Only	Per Metre	27500.00
2	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps, piano type switch, connections, painting etc. as required complete in all respect as per entire satisfaction Of Engineer In Charge. Make- ESS KAY / CONA /Anchor	30	269.00	Rupees Two Hundred SixtyNine Only	Each	8070.00
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 / CONA /ANCHOR.	6	434.00	Rupees Four Hundred ThirtyFour Only	Each	2604.00
4	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	1236.00	Rupees One Thousand Two Hundred ThirtySix Only	Each	2472.00
	Double pole Cat-A.					
5	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.	2	423.00	Rupees Four Hundred TwentyThree Only	Each	846.00
	Single Door 4 Way					
6	Earthing with copper earth plate 600 mmx600 mmx 3 mm thick, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required complete in all respect as per entire satisfaction of Engineer- in- Charge.Copper (Pure).	7	11800.00	Rupees Eleven Thousand Eight Hundred Only	Per Set	82600.00

Job-16							Estimated Cost :- Rs. 410213/- Only
							Earnest Money :- Rs.8250/- Only
							Time :- One Month.
DRAFT SCHEDULE OF QUANTITY							
Name of Work :-Replacement of old Post Top Lantern , street Light Fixture , Armoured Cable in Rest House at Satahan Distt. Mandi (H.P.)							
S.No.	Description	Qty.	In Figure	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 complete in all respect. MAKE:- CCI/UNIVERSAL/FINOLE/ POLYCAB/RALLISON/G RANDLA	250	Metre 243.00	Rupees Two hundred forty three only.	Per Metre	60750.00	
2	Armoured cable 4 sq. mm (Twin core) Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required complete in all respect. MAKE:- FINOLE/ PLAZA/RR/UNITTECH/BENTION/KEI	20	Metre 90.00	Rupees Ninety only.	Per Metre	1800.00	
3	3x1.5 Sq.mm. Supplying & erection campus LED Steel Pole with LED fitting Double arm bracket fixture are made of die cast aluminium base and spun aluminium top fitted with LED PT modular power LED's are mounted directly on inbuilt extruded aluminium heat sinks. AUV stadlized injection moulded PC diffuser is provided for glare free lighting with high visual comfort as reqd. complete with all accessories including making connections, testing etc. as required complete in all respect. MAKE :-Twinkle/ Bajaj/ K-Lite .	2	Nos. 78542.00	Rupees Seventy eight thousand five hundred forty two only.	Each	157084.00	
4	Supplying & erection campus LED Steel Pole with LED fitting Single arm bracket fixture are made of die cast aluminium base and spun aluminium top fitted with LED PT modular power LED's are mounted directly on inbuilt extruded aluminium heat sinks. AUV stadlized injection moulded PC diffuser is provided for glare free lighting with high visual comfort as reqd. complete with all accessories including making connections, testing etc. as required complete in all respect. MAKE :-Twinkle/ Bajaj/ K-Lite .	3	Nos. 54385.00	Rupees Fifty four thousand three hundred eighty five only.	Each	163155.00	
5	Supplying & erection Gate Light LED Post Top fixture are made of die cast aluminium housing with three nos die cast aluminium are provided to support the housing power LED 's are mounting directly on extruded heat sinks .AUV stalized PC diffuser is provided for diffused lighting reqd. complete with all accessories including making connections, testing etc. as required. MAKE :-Twinkle/ Bajaj/ K-Lite .	2	Nos. 13476.00	Rupees Thirteen thousand four hundred seventy six only	Each	26952.00	

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 complete in all respect. MAKE :- LEGRAND / L&T/C&S/GE	2	Nos.	1236.00	Rupees Seventy eight thousand five hundred forty two only.	EACH	2472.00
	Double pole(Category-A)						
	Total						412213.00
	Less Dismantal credit		L/S				-2000.00
	Total						410213.00

Draft schedule of Quantity checked and approved for RS. 410213/only.

HT
Executive Engineer,
Electrical Division
HP PWD, Mandi (HP)
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Job- 17							Estimated Cost :- Rs. 150066/- Only
							Earnest Money :- Rs. 3050/- Only
							Time :- Along with civil work
DRAFT SCHEDULE OF QUANTITY							
Name of work:- C/o Vety. Dispensary Building at Kasol District Kullu H.P. (Providing E.I. there in)							
S.No.	Description	Qty.	In Fig.	Rate	Unit	Amount	
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect as per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	20	Nos.	Rupees One Thousand Four Hundred SeventySeven Only	Each	29540.00	
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 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 as per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.						
i)	2x1.5 Sq. mm.	60	Metre	241.00	Per Metre	14460.00	
ii)	2x4.0 Sq. mm.	45	Metre	332.00	Per Metre	14940.00	
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 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 as per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	35	Metre	555.00	Per Metre	19425.00	
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	77.00	Per Metre	2310.00	
5	3x1.5 Sq. mm. 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.	204.00	Each	816.00	

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	5	Nos.	357.00	Rupees Three Hundred FiftySeven Only	Each	1785.00
7	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of Expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, 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.	10819.00	Rupees Ten Thousand Eight Hundred Nineteen Only	Each	10819.00
8	25 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 as per entire satisfaction of the Engineer in charge. Make : L&T / Legrand / Siemens.						
i)	Single pole 10 amp. Cat-A.	4	Nos.	217.00	Rupees Two Hundred Seventeen Only	Each	868.00
ii)	Single pole 20 amp. Cat-A.	5	Nos.	217.00	Rupees Two Hundred Seventeen Only	Each	1085.00
9	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:- Double pole. Cat-A.	1	No.	1138.00	Rupees One Thousand One Hundred ThirtyEight Only	Each	1138.00
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 as per entire satisfaction of the Engineer in charge. Make : L&T / Legrand / Siemens.	1	No.	3358.00	Rupees Three Thousand Three Hundred FiftyEight Only	Each	3358.00
11	63 Amps. Cat-A. Supplying and fixing bakelite batten/angle holder including connections etc. as required complete in all respect. Make:- Anchor , Cona , SSK	1	No.	69.00	Rupees SixtyNine Only	Each	69.00
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	3483.00	Rupees Three Thousand Four Hundred EightyThree Only	Per Set	3483.00
13	Extra for using salt and charcoal for G.I. or copper plate earth electrode complete as required complete in all respect.	1	Set	1256.00	Rupees One Thousand Two Hundred FiftySix Only	Per Set	1256.00

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.	25	Metre	25.00	Rupees TwentyFive Only	Per Metre	625.00
15	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 complete in all respects and to the best satisfaction of Engineer-in-charge.	1	No.	941.00	Rupees Nine Hundred FortyOne Only	Each	941.00
16	Fixed type wall bracket 150 dia, single lamp (Category-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 respects per entire satisfaction of the Engineer in charge. Make : L&T / Legrand / Siemens.	1	No.	2251.00	Rupees Two Thousand Two Hundred FiftyOne Only	Each	2251.00
17	DD 12-Way Providing and fixing 12W ,LED surface -mounted round panel with aluminium die cast housing complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	2	Nos.	1350.00	Rupees One Thousand Three Hundred Fifty Only	Each	2700.00
18	Supplying and fixing 36 Watt Surface mounted LED panel made from extruded aluminium housing(surface)2ft x2ft complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	4	Nos.	5458.00	Rupees Five Thousand Four Hundred FiftyEight Only	Each	21832.00
19	Supplying and fixing 45 Watt LED Street light in aluminium pressure die cast housing with toughened glass cover (IP66 rating) complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	1	No.	5229.00	Rupees Five Thousand Two Hundred TwentyNine Only	Each	5229.00
20	Supplying and fixing 10 Watt LED bulk head comprising of pressure die cast housing with acrylic diffuser (IP65 protection) complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	6	Nos.	1856.00	Rupees One Thousand Eight Hundred FiftySix Only	Each	11136.00
	TOTAL						150066.00

Draft schedule of quantity checked and approved for 150066/- only

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

Job- 18						Estimated Cost :- Rs. 135760/- Only
						Earnest Money :- Rs.2750 /- Only
						Time :- One Month.
DRAFT SCHEDULE OF QUANTITY						
Name of work:- Shifting of Three Phase Meter of Atal Sadan and minor repair of Building AT Kullu District Kullu (HP).						
ABSTRACT OF COST						
S.No.	Description	Qty.	In Figure	Rate	Unit	Amount
				In Words		
1.00	Supplying & fixing 24 Watt Ultra slim LED panel made from extruded aluminium housing frame Surface/recess/pendant)1ft x1ft approx 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.	2365.00	Rupees Two Thousand Three Hundred SixtyFive Only	Each	7095.00
2.00	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.	1 No.	32411.00	Rupees ThirtyTwo Thousand Four Hundred Eleven Only	Each	32411.00
3.00	320 Amp. -35 KA Supplying and fixing sheet metal bus-bar chamber suitable for 400 Amp. 415 volts capacity with 4 No. copper strip bus-bars each of length 600mm & cross-sectional area (38.10mmx6.35mm), enclosure made from 1.6 mm thick M.S. sheet having overall dimensions (680mmx550mmx200mm) nominal with all accessories including connections, earthing the body etc. as required:-	1 No.	14860.00	Rupees Fourteen Thousand Eight Hundred Sixty Only	Each	14860.00
4.00	Providing, Installation, testing and commissioning of ceiling fan with modular regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0 20 mm twin core flexible, FRLS PVC, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required:-	3 Nos.	2645.00	Rupees Two Thousand Six Hundred FortyFive Only	Each	7935.00
5.00	Ceiling Fan 1200 mm sweep, Category-A 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 Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.					
5.01	3x1.5 Sq. mm.	50 Metre	98.00	Rupees NinetyEight Only	Per Metre	4900.00
5.02	3x4.0 Sq. mm.	30 Metre	218.00	Rupees Two Hundred Eighteen Only	Per Metre	6540.00
5.03	3x10.0 sq mm	30 Metre	517.00	Rupees Five Hundred Seventeen Only	Per Metre	15510.00
6.00	Providing, laying and fixing of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade on surface etc. of the required size:-Cable Make : CCI/ Universal/ Finolex / Polycab / Rallison / Grandlay / KEI.	50 Metre	404.00	Rupees Four Hundred Four Only	Per Metre	20200.00
i	Armoured cable 16 sq. mm (four core)					
7.00	Supplying and fixing G.I. Modular box of suitable size with modular plate and cover in front on surface or in recess including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required.	5 Nos.	484.00	Rupees Four Hundred EightyFour Only	Each	2420.00
8.00	Supplying and fixing G.I. Modular box of suitable size with modular plate and cover in front on surface or in recess,including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required.	5 Nos.	607.00	Rupees Six Hundred Seven Only	Each	3035.00

9.00	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.	2	Nos.	2188.00	Rupees Two Thousand One Hundred EightyEight Only	Each	4376.00
10.00	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. 63 Amp. -16 KA	1	Nos.	5606.00	Rupees Five Thousand Six Hundred Six Only	Each	5606.00
11.00	Providing and fixing SS Enclosure For MCCB suitable upto 125A including drilling holes in the cubicle panel, making connections, etc. as required complete in all respects. Make : L&T / Legrand / Siemens.	2	Nos.	2035.00	Rupees Two Thousand ThirtyFive Only	Each	4070.00
12.00	Supplying & fixing 10 Watt LED bulk head comprising of pressure die cast housing with acrylic diffuser (IP65 protection) 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/Bajaj/Twinkle.	2	Nos.	1381.00	Rupees One Thousand Three Hundred EightyOne Only	Each	2762.00
13.00	Supplying & fixing LED TUBE 22W,Aluminium BATTEN, 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/Bajaj/Twinkle.	5	Nos.	808.00	Rupees Eight Hundred Eight Only	Each	4040.00
	TOTAL						135760.00

Draft schedule of quantity checked and approved for Rs. 135760/- only

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

Job- 19							Estimated Cost Rs. 344987/-only. Earnest Money Rs.6900/-only. Time :- Along with civil work.
Draft Schedule Of Quantity							
Name of work:- C/o ITI building at Bagsaid Distt. Mandi (SH:- Prov El there in) (Balance Work)							
Sr. No.	Description	Quantity	In figure	Rate in words	Units	Amount	
1	Supplying and erection of following depth sheet metal cubical pedestal of suitable dimensions with plus-minus 5 cm variation, made from 1.6 mm thick M.S. sheet duly fabricated in a segregated manner for housing of switch fuse units, by welding each compartment on five sides & front side hinged, complete with locking arrangement, with sufficient No. vertical and horizontal intermediate switchgear housing compartments. The cubical pedestal shall have cable entry box at one or two sides, with epoxy powder coated approved paint and bonding to the existing earth etc. The same shall be erected in the 1:2:4 cement concrete plat-form of suitable dimensions 15 cm high from ground level and 45 cm thick. The cubical pedestal shall be 15 cm from the top of cement concrete plat-form: of suitable size x 300mm deep (nominal) including Bus Bar 630Amp. . MCCB 630 amps= 1 Nos MCCB 63 amps = 3 Nos Selector switch = 2Nos Digital Ammeter = 1No, Digital Volt Meter= 1No, CT Coil = 3 Nos and internal control wiring etc. as required complete in all respect. L&T Legrand or equivalent	1	Job 227000.00	Rupees Two Lakh TwentySeven Thousand Only	Per Job	227000.00	
2	S/F 24 port switch 10/100 MBPS unmanaged ethernet switch with 24 port patch panel with 6U rack fully loaded with 1 mtr patch cord with RJ 45 jack for inner connection for switch and patch panel for fast data transfer D link complete in all respect Make:- D link or Equivalent	1	Nos	Rupees TwentySix Thousand Eight Hundred Only	Each	26800.00	
3	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:- L&T, Legrand ,Standard	1	Nos	Rupees Three Thousand Three Hundred Seven Only	Each	3307.00	
4	Wiring for circuit / sub-main with 4x6 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.6 Sq.mm. (4x6+2x6) HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respect Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	100	Metre	Rupees Eight Hundred Nineteen Only	Per Metre	81900.00	
5	Wiring for circuit / sub-main with 2x6 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.6 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.complete in all respect Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	10	Metre	Rupees Five Hundred NinetyEight Only	Per Metre	5980.00	
TOTAL						344987.00	

Draft schedule of quantity checked and approved for Rs 344987/- only

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

Job- 20							Estimated Cost- Rs. 211930/-only. Earnest Money :- Rs. 4250/-only. Time :- Along with civil work.		
Draft Schedule of quantity									
NAME OF WORK:- C/o Ayurvedic Dispensary at Behna Distt. Mandi (SH:- Prov. E.I. there in)									
S N	Description	Qty.	Rate in figure.	Rate in words.	Unit	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 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 i) Group C. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	44	Nos 1123.00	Rupees One Thousand One Hundred TwentyThree Only	Each	49412.00			
2.00	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 Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.								
2.01	2x1.5 Sq. mm.	45	Metre 189.00	Rupees One Hundred EightyNine Only	Per Metre	8505.00			
2.02	2x4.0 Sq. mm.	25	Metre 297.00	Rupees Two Hundred NinetySeven Only	Per Metre	7425.00			
2.03	2x10 Sq. mm.	15	Metre 553.00	Rupees Five Hundred FiftyThree Only	Per Metre	8295.00			
3.00	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 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.Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	25	Metre 503.00	Rupees Five Hundred Three Only	Per Metre	12575.00			
4.00	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 respect. I) 3x1.5 Sq. mm. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	15	Metre 90.00	Rupees Ninety Only	Per Metre	1350.00			
5.00	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	16	Nos 269.00	Rupees Two Hundred SixtyNine Only	Each	4304.00			

6.00	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	9	Nos	434.00	Rupees Four Hundred ThirtyFour Only	Each	3906.00
7.00	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. i) 10 Liter capacity water heater (Cat-A) Make: Bajaj /Usha / Crompton.	2	Nos	10138.00	Rupees Ten Thousand One Hundred ThirtyEight Only	Each	20276.00
8.00	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 respect. i) Single pole. Cat-A. Make : L&T / Legrand / Siemens.	18	Nos.	258.00	Rupees Two Hundred FiftyEight Only	Each	4644.00
9.00	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. i) Double pole Cat-A Make : L&T / Legrand / Siemens.	2	Nos.	1236.00	Rupees One Thousand Two Hundred ThirtySix Only	Each	2472.00
10.00	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. i) Double door-12 way Make L&T / LEGRAND / SIEMENS.	2	Nos.	2503.00	Rupees Two Thousand Five Hundred Three Only	Each	5006.00
11.00	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 450mm & cross-sectional area 16mmx3.17mm), enclosure made from 1.6 mm thick M.S. sheet having overall dimensions (530mmx450mmx150mm) nominal with all accessories including connections, earthing the body etc. as required complete in all respect. Make : L&T / Legrand / Siemens / Anchor.	1	No	4284.00	Rupees Four Thousand Two Hundred EightyFour Only	Each	4284.00
12.00	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.	1	Set	4695.00	Rupees Four Thousand Six Hundred NinetyFive Only	Per Set	4695.00
13.00	Extra for using salt and charcoal for pipe earth electrode complete as required complete in all respect as per entire satisfaction of Engineer- in- Charge.	1	Set	1404.00	Rupees One Thousand Four Hundred Four Only	Per Set	1404.00

14.00	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 as per entire satisfaction of Engineer- in- Charge.	20	Metre	40.00	Rupees Forty Only	Per Metre	800.00
15.00	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: Bajaj, Usha, Anchor Panasonic.						
15.01	Ceiling Fan 1200 mm sweep, Category-A	6	Nos.	2468.00	Rupees Two Thousand Four Hundred SixtyEight Only	Each	14808.00
15.02	Ceiling Fan 1400 mm sweep, Category-A	4	Nos.	2663.00	Rupees Two Thousand Six Hundred SixtyThree Only	Each	10652.00
16.00	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. i) Exhaust Fan, Light duty, (Domestic) 300 mm sweep Make: Bajaj, Usha, Anchor Panasonic.	4	Nos	2058.00	Rupees Two Thousand FiftyEight Only	Each	8232.00
17.00	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, ESS ESS KAY.	1	No	255.00	Rupees Two Hundred FiftyFive Only	Each	255.00
18.00	Supplying and fixing call bell / buzzer, suitable for D.C./A.C. single phase 230 volts complete as required complete in all respect. Make: ANCHOR, CONA, ESS ESS KAY.	1	No	176.00	Rupees One Hundred SeventySix Only	Each	176.00
19.00	Supplying and fixing bakelite batten/angle holder including connections etc. as required Complete in all respect. Make: ANCHOR, CONA, ESS ESS KAY.	7	Nos	79.00	Rupees SeventyNine Only	Each	553.00
20.00	Supplying and fixing Fancy wall bracket 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 :- WIPRO/ Philips/ Bajaj/ Jaquar	7	Nos.	779.00	Rupees Seven Hundred SeventyNine Only	Each	5453.00
21.00	Supplying and fixing Mirror light 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 :- WIPRO/ Philips/ Bajaj/ Jaquar	2	Nos.	339.00	Rupees Three Hundred ThirtyNine Only	Each	678.00
22.00	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 / Philips / Twinkle / Jaquar	6	Nos	544.00	Rupees Five Hundred FortyFour Only	Each	3264.00
23.00	Providing & 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 / Philips / Twinkle / Jaquar / Anchor Panasonic.	4	Nos	3896.00	Rupees Three Thousand Eight Hundred NinetySix Only	Each	15584.00

24.00	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 luminair complete with connection testing commissioning etc as required complete in all respect. Make:- Wipro / Bajaj / Phillips / Jaquar .	2	Nos	2582.00	Rupees Two Thousand Five Hundred EightyTwo Only	Each	5164.00
25.00	Supplying and Fixing MCCB 63 Amp. With spread linker @ 405 per set =405 +4930= 5335 (With Under volatage & over volatage protection) of thermal release range 63-80 of L&T make Cat No. CM90518 breaking capacity 18 KA or Legrand make. MAKE :- LEGRAND / L&T/C&S/GE	1	No.	5252.00	Rupees Five Thousand Two Hundred FiftyTwo Only	Each	5252.00
26.00	Supplying and fixing LED Lamp 10watt including connections, testing and commissioning etc. as required complete in all respects and as directed by the Engineer-in- Charge.	14	Nos	179.00	Rupees One Hundred SeventyNine Only	Each	2506.00
	Total						211930.00

*Cost schedule of quantity
checked and approved
for ₹ 211930/- only*

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

Job- 2							Estimated Cost:- Rs. 375195/- only	
							Earnest Money:- Rs. 7550/- only	
							Time:- One Month..	
Draft Schedule Of Quantity								
Name of work:- Rewiring of Police Thana Building at Killar Tehsil Pangri Distt. Chamba (Ground floor & first floor)								
Sr. No.	Description	Qty.		In figure	Rate		Units	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 / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI .	64	Nos	1259.00	Rupees One Thousand Two Hundred FiftyNine Only		Each	80576.00
2	Group C. Wiring for circuit wire 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 complete in all respect Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI .							
i	2x1.5 sq. mm.	150	Metre	210.00	Rupees Two Hundred Ten Only		Per Metre.	31500.00
ii	2x4.0 Sq. mm.	160	Metre	324.00	Rupees Three Hundred TwentyFour Only		Per Metre.	51840.00
iii	2x6.0 sq.mm.	15	Metre	449.00	Rupees Four Hundred FortyNine Only		Per Metre.	6735.00
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 .	40	Metre	98.00	Rupees NinetyEight Only		Per Metre.	3920.00
4	3X1.5 sq. mm Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 2 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respect Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI .	40	Metre	551.00	Rupees Five Hundred FiftyOne Only		Per Metre.	22040.00

5	Wiring for circuit / sub-main with 4x10 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 2 No.6 Sq.mm. (4x10+2x6) HFR/LS/PVC insulated single core copper conductor cable for earthing as required complete in all respect. Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	5	Metre	1033.00	Rupees One Thousand Thirty Three Only	Per Metre.	5165.00
6	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps, piano type switch, connections, painting etc. as required complete in all respect. Make- ESS KAY / CONA / Anchor	25	Nos	304.00	Rupees Three Hundred Four Only	Each	7600.00
7	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 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	14	Nos	480.00	Rupees Four Hundred Eighty Only	Each	6720.00
8	Supplying and fixing bakelite batten/angle holder including connections etc. as required complete in all respect. Make :- ANCHOR / CONA / ESSESKAY.	20	Nos	85	Rupees Eighty Five Only	Each	1700.00
9	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 / ESSESKAY.	2	Nos	240.00	Rupees Two Hundred Forty Only	Each	480.00
10	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/ CROMPTON	2	Nos	2224.00	Rupees Two Thousand Hundred Twenty Four Only	Each	4448.00
11	Exhaust Fan, Light duty, (Domestic) 300 mm sweep 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.	26	No	281.00	Rupees Two Hundred Eighty One Only	Each	7306.00
12	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.	3	No.	1320.00	Rupees One Thousand Three Hundred Twenty Only	Each	3960.00
13	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.	3	Nos	3931.00	Rupees Three Thousand Nine Hundred Thirty One Only	Each	11793.00
	63 Amps. 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 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.	2	No.	2693.00	Rupees Two Thousand Six Hundred NinetyThree Only	Each	5386.00
i	Double door-12 way						
ii	Double door-16 way	1	No.	3462.00	Rupees Three Thousand Four Hundred SixtyTwo Only	Each	3462.00
15	Prov. & Fixing glazed LED 40 watt batten high quality design aluminium extruded with decorative end caps complete with connection, testing, commissioning etc as required complete in all respect. Make Twinkle / Great White/Syska / Opulus / Bajaj / Great White / Phillips / Claire etc.	19	Nos.	2905.00	Rupees Two Thousand Nine Hundred Five Only	Each	55195.00
16	Supplying & fixing surface/ Recess mounting LED slim downlighter with high efficient LED 'S' and glare free opal 12 watt including connection etc. as required complete in all respect as per entire satisfaction of engineer in charge Make Twinkle / Great White/Syska / Opulus / Bajaj / Great White / Phillips etc.	12	Nos.	1007.00	Rupees One Thousand Seven Only	Each	12084.00
17	Supplying & fixing 24 Watt Ultra slim LED panel made from extruded aluminium housing frame Surface/recess/pendant)1ft x1ft approx.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 Twinkle / Great White/Syska / Opulus / Bajaj / Great White / Phillips etc.	6	Nos.	2360.00	Rupees Two Thousand Three Hundred Sixty Only	Each	14160.00
18	Supplying & fixing 36 Watt Surface mounted LED panel made from extruded aluminium housing(surface) 2ft x2ft 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 Twinkle / Great White/Syska / Opulus / Bajaj / Great White / Phillips etc.	2	Nos.	3887.00	Rupees Three Thousand Eight Hundred EightySeven Only	Each	7774.00
19	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 respects and to the best satisfaction of Engineer-in-charge.	1	Set	5126.00	Rupees Five Thousand One Hundred TwentySix Only	Per Set	5126.00
20	Extra for using salt and charcoal for pipe earth electrode complete as required complete in all respects and to the best satisfaction of Engineer-in-charge.	1	Set	1493.00	Rupees One Thousand Four Hundred NinetyThree Only	Per Set	1493.00
21	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 respects and to the best satisfaction of Engineer-in-charge.	15	Metre	46.00	Rupees FortySix Only	Per Metre.	690.00
22	P/F LED 25 Watt street light made up of pressure cast aluminium housing and enclosed with toughened glass IP 66 complete with connection testing etc. as respect. As reqd. complete in all respect. Make :- Wipro , Jaquare, Bajaj, Philips etc.	2	Nos.	2361	Rupees Two Thousand Three Hundred SixtyOne Only	Each	4722.00

23	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 respects and to the best satisfaction of Engineer-in-charge.	2	Nos.	720.00	Rupees Seven Hundred Twenty Only	Each	1440.00
24	40 mm dia GI pipe Supplying & fixing of LED Bulb 9 Watt in existing holder as required complete in all respect	20	Nos	179.00	Rupees One Hundred SeventyNine Only	Each	3580.00
25	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 complete in all respect. Make : L&T / LEGRAND / ABB / SIEMENS.	1	Nos	5608.00	Rupees Five Thousand Six Hundred Eight Only	Each	5608.00
26	63 amps Cat A Supplying and fixing copper strip bus-bars suitable for 100 Amp. 415 volts capacity 4 No. each of cross-sectional area (25.4mmx3.17mm), in the existing enclosure with all accessories including connections etc. as required complete in all respect. Make : L&T / LEGRAND / ABB / SIEMENS.	1	Nos	6512.00	Rupees Six Thousand Five Hundred Twelve Only	Each	6512.00
27	Supplying and fixing Metal boxes of 200mmx150mmx75mm 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 3 Nos. outlet and 5/6 amps, piano type switch, 3 Nos. connections, painting etc. as required complete in all respect. Make- ESS KAY / CONA /Anchor	4	nos	545.00	Rupees Five Hundred FortyFive Only	each	2180.00
TOTAL							375195.00

Correct schedule of quantity checked and approved for ₹ 375195/- only

Executive Engineer,
Electrical Division,
HPPWD, Mandi (HP)

Job- 22							Estimated Cost :- Rs. 4,25,985/- Only
							Earnest Money :- Rs 85200/- Only
							Time :- Along with civil work.
DRAFT SCHEDULE OF QUANTITY							
Name of work:- CpType V-residential qtr to Directorate of Technical Education at Sunder Nagar Distt Mandi (SH:Providing E.I. there in)							
S.No.	Description	Qty.	In Figure	In Words	Unit	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 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 i) Group B Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI/L&T	62	987.00	Rupees Nine Hundred EightySeven Only	Each	61194.00	
2.00	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. ESS ESS KAY/COSMO/Anchor/L&T.	23	439.00	Rupees Four Hundred ThirtyNine Only	Each	10097.00	
3.00	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 ESS ESS KAY/COSMO/Anchor/L&T.	15	584.00	Rupees Five Hundred EightyFour Only	Each	8760.00	
4.00	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 i) Ceiling fan 1200 mm sweep (Category -A) Make : Usha Ultimate / Bajaj Ultima / Anchor Panasonic.	6	2468.00	Rupees Two Thousand Four Hundred SixtyEight Only	Each	14808.00	
5.00	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. i) Exhaust Fan, Light duty, (Domestic) 300 mm sweep Make: Bajaj , Usha, Anchor	6	2058.00	Rupees Two Thousand FiftyEight Only	Each	12348.00	
6.00	Supplying and fixing LED batten of 20 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 / Philips / Jaquar / (Twinkle) Lux Max / CLAIR .	4	646.00	Rupees Six Hundred FortySix Only	Each	2584.00	
7.00	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 .	4	1719.00	Rupees One Thousand Seven Hundred Nineteen Only	Each	6876.00	
8.00	Supplying and fixing bakelite batten/angle holder including connections etc. as required Complete in all respect. Make: ANCHOR , CONA , ESS ESS KAY .	4	79.00	Rupees SeventyNine Only	Each	316.00	
9.00	Supplying and fixing 10watt LED bulk head comprising of pressure die cast housing with acrylic diffuser (IP65 protection complete with all accessories Connection, testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro/OSRAM Phillips .	2	1600.00	Rupees One Thousand Six Hundred Only	Each	3200.00	

10.00	Supplying and fixing wall bracket fitting Double lamp with opal glass with Nickle finishing Wall lamp holder cap E27, complete with all accessories including making connections, testing etc. as required complete in all respect. Make : Wipro/OSRAM Phillips .	5	Nos	3854.00	Rupees Three Thousand Eight Hundred FiftyFour Only	Each	19270.00
11.00	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 : Bajaj/Phillips/JAQUAR.	1	No	152.00	Rupees One Hundred FiftyTwo Only	Each	152.00
12.00	Providing and fixing LED Downlight 24 Watt recess square light with aluminium housing 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 .	22	Nos.	1655.00	Rupees One Thousand Six Hundred FiftyFive Only	Each	36410.00
13.00	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. Make : Bajaj/Usha/Anchor.						
13.01	25 Liter capacity water heater (Cat-A)	4	Nos	10819.00	Rupees Ten Thousand Eight Hundred Nineteen Only	Each	43276.00
13.02	10 Liter capacity water heater (Cat-A)	1	No	9018.00	Rupees Nine Thousand Eighteen Only	Each	9018.00
14.00	Providing and fixing LED Downlight 12 Watt recess square light with aluminium housing 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 .	8	Nos.	1014.00	Rupees One Thousand Fourteen Only	Each	8112.00
15.00	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.						
15.01	2x1.5 Sq. mm.	150	Metre	189.00	Rupees One Hundred EightyNine Only	Per Metre	28350.00
15.02	2x4.0 Sq. mm.	60	Metre	297.00	Rupees Two Hundred NinetySeven Only	Per Metre	17820.00
55.03	2x10 Sq. mm.	20	Metre	553.00	Rupees Five Hundred FiftyThree Only	Per Metre	11060.00
16.00	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 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.	70	Metre	509.00	Rupees Five Hundred Nine Only	Per Metre	35630.00

17.00	Wiring for circuit / sub-main with 4x10 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.10 Sq.mm. (4X10+2X10)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.	5	Metre	1033.00	Rupees One Thousand ThirtyThree Only	Per Metre	5165.00
18.00	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 respect. i) 3X1.5 Sq.mm PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI cable make.	30	Metre	90.00	Rupees Ninety Only	Per Metre	2700.00
19.00	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 respect. i) Single pole. Cat-A. Make : L&T / Legrand / SIEMENS.	26	Nos	258.00	Rupees Two Hundred FiftyEight Only	Each	6708.00
20.00	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. i) Double pole Cat-A. Make : L&T / Legrand / SIEMENS.	3	Nos	1236.00	Rupees One Thousand Two Hundred ThirtySix Only	Each	3708.00
21.00	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. i) 63 Amps. Cat-A. Make : L&T / Legrand / SIEMENS.	3	Nos	2225.00	Rupees Two Thousand Two Hundred TwentyFive Only	Each	6675.00
21.00	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. i) Double door-12 way Make : L&T / Legrand / SIEMENS.	3	Nos	2503.00	Rupees Two Thousand Five Hundred Three Only	Each	7509.00
22.00	Supplying and erection of following depth sheet metal cubical pedestal of suitable dimensions with plus-minus 5 cm variation, made from 1.6 mm thick M.S. sheet duly fabricated in a segregated manner for housing of switch fuse units, by welding each compartment on five sides & front side hinged, complete with locking arrangement, with sufficient No. vertical and horizontal intermediate switchgear housing compartments. The cubical pedestal shall have cable entry box at one or two sides, with epoxy powder coated approved paint and bonding to the existing earth etc. The same shall be erected in the 1.2.4 cement concrete plat-form of suitable dimensions 15 cm high from ground level and 45 cm thick. The cubical pedestal shall be 15 cm from the top of cement concrete plat-form 600mmx900mmx450mm deep (nominal) including Bus Bar 100 Amp= 0.7 Metre, MCCB 100 Amp=1 No Phase Indicator =3 Nos Selector Switch=2 Nos Digital Voltmeter=1 No Digital Ammeter= 1 No CT Ciol =3 Nos and internal control wiring etc. as required complete in all respect. Make : L&T / Legrand / ABB / SIEMENS.	1	Job	32431.00	Rupees ThirtyTwo Thousand Four Hundred ThirtyOne Only	Each	32431.00

23.00	Earthing with copper earth plate 600 mmx600 mmx 3 mm thick, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required complete in all respect.	2	Set	11800.00	Rupees Eleven Thousand Eight Hundred Only	Per Set	23600.00
24.00	Extra for using salt and charcoal for G.I. or copper plate earth electrode complete as required complete in all respect.	2	Set	1824.00	Rupees One Thousand Eight Hundred TwentyFour Only	Per Set	3648.00
25.00	Supplying and laying 8 SWG Copper wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required complete in all respect.	40	Metre	114.00	Rupees One Hundred Fourteen Only	Per Metre	4560.00
	Total						425985.00

*Don't schedule of quantity checked and approved
for 425985/- only*

[Signature]
Executive Engineer,
Electrical Division,
HP PWD, Mandi (HP)

Estimated cost:- Rs. 2,38,871/- only
Earnest money:- Rs. 4800/- only
Time:- Along with civil work

Draft Schedule of quantity	
Name of work:-	C/O DEPUTY DIRECTOR TREASURY OFFICE CUM RESIDENCE
system therein)	

S.NO.	DESCRIPTION	QTY	UNIT	RATE	Rate in words	unit	AMOUNT
1	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:- 25 mm. dia						
2	Supplying, Installation ,Testing and Comissioning of EPBAX with 2CO + 2DKP + 16 SLT Extension , Operator Console and expandable upto 48 TDM ports or as required to have complete solution in all respects and to best satisfaction of engineer in charge. (Makes:- Matrix/Mitel/ Tadiran)	250	Metre	85.00	eighty-five	per metre	21250.00
3	Providing and fixing Corded Landline phone with adjustable Handset volume ;Missed call notification;incoming call memory;real time clock with date,time and year or as required to have complete solution in all respects and to best satisfaction of engineer in charge. (Makes:- Matrix/Mitel/ Tadiran/ Beetle)	1	Nos	94500.00	ninety-four thousand five hundred	Each	94500.00
4	Providing and fixing Corded Landline phone with Caller Line Identification or as required to have complete solution in all respects and to best satisfaction of engineer in charge. (Makes:- Matrix/Mitel/ Tadiran/ Beetle)	2	Nos	3650.00	three thousand six hundred fifty	Each	7300.00
		7	Nos	1825.00	one thousand eight hundred twenty-five	Each	12775.00

5	Providing and fixing 50 pair MDF box with krone or as required to have complete solution in all respects and to best satisfaction of engineer in charge. (Makes:- Matrix/Mitel/ Tadiran/ Krone Type)	1	Nos	9500.00	nine thousand five hundred	Each	9500.00
6	Providing and fixing of 5 stage IPM per pair or as required to have complete solution in all respects and to be best satisfaction of engineer in charge (Makes:- Matrix/Mitel/ Tadiran/ Inotel)	9	Nos	870.00	eight hundred seventy	Each	7830.00
7	Supplying,Installation and fixing of 10 pair IDF or as required to have complete solution in all respects and to best satisfaction of engineer in charge. (Makes:- Matrix/Mitel/ Tadiran / Krone Type)	2	Nos	2100.00	two thousand one hundred	Each	4200.00
8	Supplying,Installation and fixing 2 Pair Multicore Telephone Cable 0.5 mm as required to have end-to-end solution complete in all respects and to best satisfaction of engineer in charge. (Makes:- Finloex/Deltron/Plaza	600	Metre	42.00	forty-two	per metre	25200.00
9	Supplying, Installation Testing and commissioning 10 Pair Multicore Telephone Cable 0.5 mm as required to have complete solution in all respects and to best satisfaction of engineer in charge. (Makes:- Finloex/Deltron/Plaza	100	Metre	117.00	one hundred seventeen	per metre	11700.00
10	Supplying,Installation ,Testing and Commissioning Jumper Wire as required to have complete solution in all respects and to best satisfaction of engineer in charge. (Makes:- Finloex/Deltron/Plaza	15	Metre	172.00	one hundred seventy-two	per metre	2580.00

						Estimated cost:- Rs. 4,23,909/- only
						Earnest money:- Rs. 8500/- only
						Time:- Along with civil work

Draft Schedule of quantity

Name of work:- C/o DEPUTY DIRECTOR TREASURY OFFICE CUM RESIDENCE AT KHALIYAR, MANDI (SH:- Video Surveillance therein)

SR. NO.	DESCRIPTION	QTY	RATE	Rate in words	UNIT	AMOUNT
1	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:- 25 mm. dia	200 Metre	58.00'	fifty-eight	Per metre	11600.00
2	Category 6 Unshielded 4 Pair Cable FRPVC as per ANSI/TIA-568 C.2 category 6, ISO/IEC-11801, Class E/IEC 61156-5: category 6, Certification : UL, CE, ETL, ETL channel tested (Makes:- REIT/Belden /Norden/Panduit)	600 Metres	59.00	fifty-nine	Per metres	35400.00
3	CAT6 UTP 24AWG PATCH CORD:1M,Plug 30U' Snagless, ETL Channel Tested, UL and CE Certified Make- Norden/Belden/Panduit/REIT	9 Nos	218.00	two hundred eighteen	Each	1962.00
4	Supplying, Installation Testing and Commissioning of 2 KVA online UPS as required to have end-to-end solution complete in all respects and to the best satisfaction of engineer in charge. (Makes:Delta/APC/Uniline)	1 No	49700.00	forty-nine thousand seven hundred	Each	49700.00
5	Supplying, Installation Testing and Commissioning of 12V 42AH, including battery rack and interlinks as required to have end-to-end solution complete in all respects and to the best satisfaction of engineer in charge.					

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	(Makes:Exide/Rocket/ Aamron)	6	No	7715.00	seven thousand seven hundred fifteen	Each	46290.00
6	16Ch Embedded Network Video Recorder with 2 HDD Bays Supports 4K Cameras, HDMI, VGA and ONVIF, 2 RJ45 10M/100M/1000M Network Interface, Simultaneous HDMI & VGA up to 1080P Output, 2 x 2.0 USB Host, 2ch Alarm I/O, RTP/RTCP, TCP/UDP, HTTP, DHCP, DNS, NTP, Live View 16ch D1/4ch 1080P, 1ch 6MP/5MP/4MP/3MP, Playback 4ch 1080P/1ch 6MP/5MP/4MP/3MP, RTP/RTCP, TCP/UDP, HTTP, DHCP, DNS, NTP, 160Mbps, (Main stream 128Mbps, Sub stream 32Mbps), DC 12V, Max Input 36W, Out going Bandwidth - Total 128Mbps.	1	No	62500.00	sixty-two thousand five hundred	Each	62500.00
7	Supplying, Installation Testing and Commissioning of 6TB Surveillance Hard Disk Drive; or as required to have end-to-end solution complete in all respects and to the best satisfaction of engineer-in-charge.						
	(Makes:- Western Digital/Toshiba)	1	No	18200.00	eighteen thousand two hundred	Each	18200.00
8	2MP IR IP H.265 Compact Dome camera with 2.8 Fixed Lens, POE, SD card slot 512GB, H.265+, Edge Analytics : Intrusion (Perimeter), Crossline (Tripwire), ONVIF Profile (S, G, T), IP67, IK-10, Built in Mic and 30M IR support. UL 62368-1, CE, FCC & BIS. Working Temperature -10 °C ~ 60 °C						
	(Makes:- Norden/Sony/Mobotix)	7	No	15500.00	fifteen thousand five hundred	Each	108500.00

9	2MP IR IP H.265 Compact Bullet camera with 2.8 Fixed Lens, POE, SD card slot 512GB, H.265+, Edge Analytics : Intrusion (Perimeter), Crossline (Tripwire), ONVIF Profile (S, G, T), IP67, IK-10, Built in Mic and 30M IR support, UL 62368-1, CE, FCC & BIS, Working Temperature -10 °C ~ 60 °C (Makes:- Norden/Sony/Mobotix)	2	No	18500.00	eighteen thousand five hundred	Each	37000.00
10	Supplying, Installation Testing and Commissioning of Display 43" LED monitor / TV Full HD ; or as required complete in all respects and to the best satisfaction of Engineer-in-charge (Make:LG/ Samsung/Sony)	1	No	49517.00	forty-nine thousand five hundred seventeen	Each	49517.00
11	Supplying, Installation and fixing of CAT6 information outlet(I/O) shuttered of following colours conforming to Cat 6 Standards, as required to have complete solution in all respects and to best satisfaction of engineer in charge. Make - Norden/REIT/Panduit/Belden	9	no.	360.00	three hundred sixty	Each	3240.00
Total							423909.00

Draft schedule of quantity checked and approved for 2423909/- only

Executive Engineer
Electrical Sub Division
HPPWD Mandi

						Estimated cost:- Rs. 3,19,676/- only
						Earnest money:- Rs. 6400/- only
						Time:- Along with civil work

Draft Schedule of quantity

Name of work: Supply Installation Testing & Commissioning of LAN and Networking solution at Deputy Director Treasury office cum Residence at Khaliyar in Distt. Mandi

Sr No.	Description of Items	Qty	Rate	Rate in words	Unit	Amount
1	Supply and Erection of 24 port network Supply and Erection of 24 PoE / PoE+ ports (190W PoE budget), 2 x 1G SFP (Fiber) ports (Dedicated), 500 Mhz MIPS-4Kec CPU, 128MB RAM 32MB SPI FLASH, 52 Gbps Switching Rate, 38.68 Packet forwarding rate (64 byte packet size) (Mpps), 8 Priority queues, 128 Multicast groups, 256 DHCP snooping bindings, 100 shared for MAC, IP and UDP/TCP ACLs (ingress), DHCP snooping, IEEE 802.1x (EAP), Weighted Round Robin (WRR) and Strict Priority queuing, Auto-VoIP VLAN / Auto-Voice VLAN, IEEE 802.1w Rapid Spanning Tree Protocol, IEEE 802.1s Multiple Spanning Tree Protocol, L2 / L3 / L4 ingress Access Control Lists (ACLs), IEEE 802.3 Ethernet IEEE 802.3z Gigabit Ethernet 1000BASE-SX/LX, IEEE 802.3u 100BASE-T, IEEE 802.3x Full-Duplex Flow Control IEEE 802.1Q VLAN Tagging, IEEE 802.1AB LLDP with ANSI/TIA-1057 (LLDP-MED), IEEE 802.3ab 1000BASE-T IEEE 802.1p Class of Service, IEEE 802.3af PoE IEEE 802.1D Spanning Tree (STP), IEEE 802.3at PoE+, IEEE 802.1s Multiple Spanning Tree (MSTP), IEEE 802.3az Energy Efficient Ethernet (EEE), IEEE 802.1w Rapid Spanning Tree (RSTP), IEEE 802.3ad Trunking (LACP), IEEE 802.1x RADIUS Network Access Control, Operating temperature - 0° to 50°C (32° to 122°F), Power - Internal 100-240VAC 50-60Hz. Make - Cisco/Netgear/Juniper Make (Juniper/Cisco/Netgear)	1	72000	seventy-two thousand	Each	72000

2	Supply and testing of Wireless Access Point 2x2(Transmit and Receive)Dual Bank IEEE 802.11a/b/g/n/ac. 2 internal dual-band 3 dBi omni antennas. Operating frequency - 2.4 GHz band: 2.4 to 2.4835 GHz. Make Netgear / Juniper/ Cisco	3	No.	28600	twenty-eight thousand six hundred	Each	85800
3	SITC of SMB Box with Single Faceplate and I/O Make Dlink/R&M/Panduit	12	No.	348	three hundred forty-eight	Each	4176
4	Supply and erection of 24 port Patch Panel with straight frame complete in all respect Make Panduit, Dlink, R&M	1	No.	6500	six thousand five hundred	Each	6500
5	LAN (Data cabling and computer networking) SE of Information outlets and Face Plate connection to terminate the individual Cat - 6 cable from data switch to respective data node of the network and connect the node the server by making cat-6 cable back bone complete in all respect	12	No.	385	three hundred eighty-five	Each	4620
6	SITC of Firewall Performance - 3700 MBPS, TLS Inspection - 375 MBPS, IPS - 1015Mbps, IPSEC VPN- 750 Mbps, Threat Protection- 240 Mbps, Connectivity - 4 GE Copper, 1X SFP Fiber, Management Interface- 1XCom RJ 45 Make -Sophos, CISCO , Juniper	1	No.	69500	sixty-nine thousand five hundred	Each	69500
7	Supply and erection of Cat-6 UTP cable including tracing, numbering and termination on data switch and I/Os on other end complete in all respect as approved and desired by engineer in chief. Make : - Dlink/Schinder/R&M.	600	Mtr.	49	forty-nine	per mtr	29400
8	Supply and erection of 1 meter long patch cord Low Smoke Zero Halogen factory crimped comprising of make RJ-45 connectors on both end complete Make Panduit,Dlink, R&M	15	No.	225	two hundred twenty-five	Each	3375
9	Supply and erection of 2 meter long patch cord Low Smoke Zero Halogen factory crimped comprising of make RJ-45 connectors on both end complete Make Panduit, Schinder, R&M	9	No.	245	two hundred forty-five	Each	2205

10	Supply and erection of 15U wall mount rack, Tinted Toughened Glass Door, High quality fan of High Cool brand, High quality PDU .Make APW/ Comrack/ Dlink	1	No.	14500	fourteen thousand five hundred	Each	14500
11	Supply and Erection of 25 mm conduit (Medium Grade). Make - Diplast/AKG/Polycab	300	Mtr.	92	ninety-two	per mtr	27600
Total							319676

*draft schedule of quantity
checked and approved for
2 319676/- only*

[Signature]
Executive Engineer
Electrical Sub Division
HPPWD Mandi