

**HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT
NOTICE INVITING TENDER**

Sealed item rate tender on Form No. 6&8 are invited by the Executive Engineer, Electrical Division, HPPWD, Mandi (H.P.) for the following works from approved and eligible contractors enlisted in appropriate class in HPPWD (Electrical) department having valid Electrical license, so as to reach in his office on or before 06.09.2022 up-to 10.30 A.M. and will be opened on the same day at 11:00 A.M. in the presence of 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 05.09.2022 up to 01:00 P.M. and the tender forms can be had from his office on same day. The application for the purchase of the tender documents should be accompanied with earnest money of each work separately in the shape of National Saving Certificate/FDR/ Call Deposit / Bank draft of any Schedule Bank / Post Office duly pledged in favour of the Executive Engineer, Electrical Division, HP.PWD, Mandi (H.P.). Conditional tenders and the tenders received without earnest money will be rejected. The receipt of application for issue of tender forms by post shall not be entertained / considered in any case. The tender forms shall be issued to registered Contractors or their authorized representatives. The copy of enlistment / renewal order and valid Electrical License shall be attached with the application for purchase the tender document.. The ambiguous / telegraphic / conditional / fax / E-mail or by post tenders shall also not be entertained / considered in any case. The tender shall be issued to those Contractors / Firms who are found eligible, suitable and competent. The decision of the Executive Engineer regarding suitability / eligibility / competency of Contractors/ Firms shall be final binding on the Contractors / Firms applying for the issuing of the tender. The offer for the tenders shall be kept open for 120 days. The Executive Engineer reserves the right to reject the tender without assigning any reasons, if there happens to be any holiday the same will be opened on next working day.

Work No. 1:- C/o 50 Bedded Hospital at Tihra Tehsil Dharmpur District Mandi (SH: Providing and laying of steel conduit and G.I Modular boxes therein) Estimated Cost: Rs. 259808/-only, Earnest money: Rs. 5200/- only, Time allowed: - Along with civil work

Work No. 2:- C/o Four rooms at Government High school at Sari Tehsil Dharmpur District Mandi (SH: Providing E.I therein) Estimated Cost: Rs. 135215/-only, Earnest money: Rs. 2750/- only, Time allowed: - Along with civil work

Work No. 3:- Providing E.I in 2nd floor of HPPWD Division Dharmpur District Mandi Estimated Cost: Rs. 299056/- only, Earnest money: Rs. 6000/- only, Time allowed: - Along with civil work

Work No. 4:- Providing Yard lighting in HPPWD Executive Engineer Residence at Dharmpur District Mandi Estimated Cost: Rs. 163857/- only, Earnest money: Rs. 3300/- only, Time allowed: - Along with civil work

Work No. 5:- Replacement of Old damaged Electrical fittings in Set No. 1, 14 an d15 Dining Hall and JE Office at PWD Rest House Sunder Nagar District Mandi Estimated Cost: Rs. 116855/- only, Earnest money: Rs. 2350/- only, Time allowed: - One Month

Work No. 6:- Providing connection to MCH from 250 KVA DG Set at Civil Hospital Sunder Nagar District Mandi Estimated Cost: Rs. 164292/- only, Earnest money: Rs. 3300/- only, Time allowed: - One Month

Work No. 7:- Repair Maintenance of EI in various NR Buildings at Shri Lal Bahadur Shastri Govt. Medical College and Hospital Nerchowk, District Mandi (SH: Replacement and maintenance of damaged fan, EI accessories, MCB and light fixtures in Nursing Hostel Mess, Nursing Student Hostel, Medical College) Estimated Cost: Rs. 211330/-only, Earnest money: Rs. 4300/- only, Time allowed: - Two Month

Work No. 8:- Replacement of Old Lights with LED D/L Lighter and 2 tonne Air conditioner in conference Hall and 4 KVA Voltage Stabilizer / Roller in HPPWD Chief Office Building at Jail Road Mandi) Estimated Cost: Rs. 215920/-only, Earnest money: Rs. 4320/- only, Time allowed: - One Month

Work No. 9:- Additional Accommodation to Veterinary Hospital at Pali District Mandi HP (SH: Providing EI therein) Estimated Cost: Rs. 147676/-only, Earnest money: Rs. 3000/- only, Time allowed: - Along with civil work

Work No. 10:- Pre fabricated structure for Barrier / Checkpost at Jagatsukh Tehsil Manali District Kullu HP (SH: Providing EI therein) Estimated Cost: Rs. 122547/-only, Earnest money: Rs. 2500/- only, Time allowed: - Along with civil work

Work No. 11:- Repair Maintenance of EI in HPPWD Rest House Dharmpur District Mandi HP (SH: Providing Rewiring, modular accessories and LED fixtures therein) Estimated Cost: Rs. 300270/-only, Earnest money: Rs. 6050/- only, Time allowed: - One Month

Work No. 12:- Additional accommodation to develop skilled lab in Department of Gyne / OBG of Shri Lal bahadur Shastri Govt. Medical College and Hospital Nerchowk District Mandi HP (SH: Providing E.I therein) Estimated Cost: Rs. 406562/-only, Earnest money: Rs. 8200/- only, Time allowed: - Three months

Work No. 13:- Replacement of Old Switch Sockets to modular and replace damaged fittings in Tribal Bhawan Bhuntar District Kullu HP Estimated Cost: Rs. 205325/-only, Earnest money: Rs. 4150/- only, Time allowed: - One months

Work No. 14:- Repair and maintenance of main panel and providing and fixing changeover switch 200 amps and replacement of Ceiling fan in Assistant Engineer office (Design) at 1st circle office and Division No. II HPPWD Mandi Cash Branch at Jail Road Mandi Estimated Cost: Rs. 180556/-only, Earnest money: Rs. 3611/- only, Time allowed: - Three Months

Work No. 15:- C/o Additional Accommodation to 50 Bedded Civil Hospital Bagsaid District Mandi HP (SH: Providing cables, wires MCB's therein) Balance work Estimated Cost: Rs. 294367/-only, Earnest money: Rs. 5900/- only, Time allowed: - Along with civil work

Work No. 16:- C/o Additional Accommodation to 50 Bedded Civil Hospital Bagsaid District Mandi HP (SH: Providing EI in OT and Attic floor therein) Estimated Cost: Rs. 290520/-only, Earnest money: Rs. 6000/- only, Time allowed: - Along with civil work

Work No. 17:- C/o Additional Accommodation to 50 Bedded Civil Hospital Bagsaid District Mandi HP (SH: Providing LED , Exhaust fans, Down lights Block B therein) Estimated Cost: Rs. 288690/-only, Earnest money: Rs. 6000/- only, Time allowed: - Along with civil work

Work No. 18:- c/o Additional Accommodation to 50 Bedded Civil Hospital Bagsaid District Mandi HP (SH: Providing additional point, LED in Block A therein) Estimated Cost: Rs. 299807/-only, Earnest money: Rs. 6000/- only, Time allowed: - Along with civil work

Work No. 19:- C/o Additional Accommodation to Rest House MandapTehsil Dhampur District Mandi HP (SH: Providing E.I therein) Estimated Cost: Rs. 399502/-only, Earnest money: Rs. 8000/- only, Time allowed: - Along with civil work

Work No. 20:- C/o Additional Accommodation to 50 Bedded Civil Hospital Bagsaid District Mandi HP (SH: Providing A/A of E.I and Geysers in Block B therein) Estimated Cost: Rs. 278785/-only, Earnest money: Rs. 5600/- only, Time allowed: - Along with civil work

Work No. 21:- Replacement of Old Post Top Lantern , Street Light fixture , Armoured cable in Rest house Kotli District Mandi HP Estimated Cost: Rs. 410213/-only, Earnest money: Rs. 8250/- only, Time allowed: - One Month

Work No. 22:- Providing and fixing Tube fixture, LED , LED Panel 1x1 ft, 2x2 ft, Mirror light , Bed light , exhaust fan, Ceiling fan, Geysers, Air conditioner 1.5 tonne and other electrical accessories in Rest house Kotli District Mandi Estimated Cost: Rs. 262218/-only, Earnest money: Rs. 5300/- only, Time allowed: - One Month

Work No. 23:- Replacement of wiring Type-IV Residence near field Hostel Kullu District Kullu Estimated Cost: Rs. 196062/-only, Earnest money: Rs. 3950/- only, Time allowed: - One Month

Work No. 24:- Dehydration and filtration of various MVA Capacity Transformer -10 Nos. with OLTC at existing ESS-I to ESS-6 of Shri Lal Bahadur Shastri Govt Medical college and Hospital Nerchowk District Mandi Estimated Cost: Rs. 268653/-only, Earnest money: Rs. 5400/- only, Time allowed: - One Month

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.)
For and On behalf of Governor of H.P.

No.PW-MED/TA/NIT/2022-2023-- 4459-75

Dated: 24/8/22

Copy forwarded to the following for information please:-

1. The Engineer-in-Chief, HPPWD, Nirman Bhawan, Nigam Vihar Shimla-1.
2. The Deputy Commissioner, Mandi District - Mandi H.P
3. The Chief Engineer (Mandi Zone), HPPWD, Mandi.
4. The Superintending Engineer, 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. 259808/- only
						Earnest Money:- Rs.5200 /- only
						Time:- along with civil work
Schedule of quantity						
NAME OF WORK:- C/o 50 bedded hospital at Tihra Tehsil Dharmpur Distt Mandi (HP) (Laying of steel conduit , G.I Modular boxes)						
Sr No.	Description	Qty.	Rate	Rate in words	Unit	Amount.
1.00	Supplying and fixing of following sizes of steel 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.	800 Metre			Per Metre	
1.01	25 mm. dia					
2.00	Supplying & fixing of G.I. modular boxes of following sizes along with in recess as required Complete in all respect Make L&T / LEGRAND / SIEMENS.					
2.01	2 modules (78mmx78mmx50mm)	20 Nos			Each	
2.02	4 modules(140mmx78mmx50mm)	30 Nos			Each	
2.03	6 modules(205mmx78mmx50mm)	40 Nos			Each	
2.04	8 modules (120mmx135mmx60mm)	30 Nos			Each	
2.05	12 modules (205mmx135mmx60mm)	20 Nos			Each	
3.00	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. Make L&T / LEGRAND / SIEMENS.					
3.01	Double door-6 way	5 No.			Each	
3.02	Double door-8 way	14 Nos			Each	
	Double door-12 way	2 Nos			Each	
					Total	

Executed Engineer
 Elect. Division, H.P.P.W.D.
 Mandi D.P.

20 case / 16/12/22

Job-					Estimated Cost:- Rs. 135215/- only	
					Earnest Money:- Rs. 2750/- only	
					Time:- Along with civil work .	
Schedule Of Quantity						
Name of work:- C/o Four Rooms at Government High School at Sari, Tehsil Dharmapur, District Mandi HP. (SH:-Prov. E.I. in there in.)						
Sr. No.	Description	Qty.	In figure	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 .	38	Nos.		Each	
2	Group C Wiring for twin control light point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/ recessed PVC conduit with 2-way, 5/6 amps. piano type switch and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect. Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI .	1	No.		Each	
3	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 ESS KAY / CONA /Anchor	8	Nos.		Each	
4	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.	6	Nos.		Each	
5	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.	1	No.		Each	
6	Double pole Cat-A. Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus- bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required complete in all respect. Make : L & T / Legrand / SIEMENS.	1	No.		Each	
	Double Door 8 Way					

7	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed P_VC 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					Per Metre
ii)	2x6.0 Sq. mm.	2	Metre					Per Metre
8	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required complete in all respect. Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	30	Metre					Per Metre
	3x1.5 Sq. mm.							
9	Earthing with G.I. earth pipe 4.5 mtr. long and 40mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required complete as required complete in all respect.	1	Set					Per Set
10	Extra for using salt and charcoal for pipe earth electrode complete as required complete in all respect.	1	Set					Per Set
11	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required complete in all respect.	20	Metre					Per Metre
12	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 Ultimate / Bajaj Ultima / Anchor Panasonic.	20	Nos					Each
	Ceiling fan 1200 mm sweep (Category -A)							
13	Providing and fixing Glazed LED 20 watt Batten High quality design aluminium extruded with decorative end caps complete with Connection,testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max.	13	Nos					Each

[illegible]

							Earnest Money:- Rs. 299056/- only
							Earnest Money:- Rs. 6000/-
							Time:- One Month
Schedule of Quantity							
NAME OF WORK:- Providing E.I in Second Floor HPPWD Division at Dharampur Tehsil Dharmapur Distt Mandi (HP)							
Sr No.	Description	Qty.	Rate	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 (HRRF) 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. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	58	Nos		Each		
Group C.							
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 as per entire satisfaction of Engineer- in- Charge. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	10	Nos.		Each		
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 as per entire satisfaction of Engineer- in- Charge. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	15	Nos.		Each		
4.00	Supplying and fixing G.I modular Box of 205 mm x78mmx50mm size with modular plate and cover in recess including providing and fixing 3 Nos 5 pin 5/6 Amps modular socket outlet, 3 Nos 5/6 Amps modular switch, as required etc. as required complete in all respect. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class). (Computer Point)	3	Nos.		Each		
5.00	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 (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	2	Nos		Each		
5.01	Telephone socket outlet, Modular.						
6.00	Supplying and fixing Dig-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 .	2	Nos		Each		
7.00	Supplying and fixing of LED Wall bracket including making connections, testing etc. as required complete in all respect. Make:- Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Luminaires .	2	Nos.		Each		
8.00	Supplying and fixing of LED Mirror light including making connections, testing etc. as required complete in all respect. Make:- Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Luminaires .	1	Nos.		Each		

3.00	Providing and fixing Recess mounted Square LED downlight 12 Watt with Al die-cast body finish with drop down PC diffuser to deliver low glare illumination with optimized heat sink for efficient heat dissipation complete with Connection,testing commissioning etc as required in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max .	34	Nos		Each	
10.00	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 / Phillips / Jaquar / (Twinkle) Lux Max .	3	Nos		Each	
11.00	Supplying and fixing bakelite batten/angle holder including connections etc. as required complete in all respect. Make: Anchor , CONA , ESS ESS KAY .	2	Nos.		Each	
12.00	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 : Usha Ultimate / Bajaj Ultima / Anchor Panasonic.	8	Nos		Each	
13.00	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. Make: Bajaj , Usha, Anchor	5	Nos		Each	
13.01	Exhaust Fan, Light duty, (Domestic) 300 mm sweep					
14.00	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. Make : L&T / Legrand / Siemens.	26	Nos.		Each	
14.01	Single pole. Cat-A.					
15.00	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. Make : L&T / Legrand / Siemens..	6	Nos.		Each	
15.01	Double pole Cat-A					
16.00	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with lined copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required complete in all respect. Make L&T / LEGRAND / SIEMENS.					
16.01	Double door-4 way	1	Nos.		Each	
16.02	Double door-6 way	2	Nos.		Each	
16.03	Double door-8 way	3	Nos.		Each	

17.00	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.						
17.01	2x1.5 Sq. mm.	80	Metre			Per Metre	
17.02	2x4.0 Sq. mm.	80	Metre			Per Metre	
17.03	2x6.0 Sq. mm.	20	Metre			Per Metre	
17.03	2x10 Sq. mm.	25	Metre			Per Metre	
18.00	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.6 Sq.mm. (4x10+2x6) HRFRLS/PVC insulated single core copper conductor cable for earthing as required.	10	Metre			Per Metre	
19.00	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 Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI. 3x1.5 Sq. mm.	50	Metre			Per Metre	
20.00	Wiring for circuit / sub-main with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.4 Sq.mm. (4X4+2X4)HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respect Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	40	Metre			Per Metre	
21.00	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. 25 mm. dia	30	Metre			Per Metre	
22.00	Supplying and drawing following pair of Fire Retardant, PVC insulated 0.5 sq.mm. (FR- Flexible) copper conductor, flat, unarmoured, telephone cable in existing surface / recessed, steel / PVC conduit as required complete in all respect. 2 Pair	30	Metre			Per Metre	
23.00	Supplying and laying of Cat-6 cable of approved make as required complete in all respect and as directed by the Engineer in charge.	60	Metre			Per Metre	
24.00	Supplying and fixing 01 RJ-45 single for Cat-6 cable including connections, etc. as required complete in all respect as per entire satisfaction of Engineer- in-Charge.	2	Metre			Each	
25.00	Supplying & fixing of 8 port manage ethernet switch complete with Connection,testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge.	1	Nos			Each	

26.00	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:- 700mx600mm x 300mm deep (nominal) including Bus Bar 63Amp. = 0.3 Mtr . MCCB 63 amps= 1 Nos Phase Indicator = 3 Nos and internal control wiring etc. as required complete in all respect.	1	Nos		Each	
					TOTAL	


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

							Estimated cost:- Rs. 163857/- only
							Earnest Money :- Rs. 3300/-
							Time :- One month
Schedule Of Quantity							
NAME OF WORK:- Providing Yard lighting in the HPPWD Executive Engineer Residence at Dharampur Tehsil							
Dharampur Distt Mandi (HP)							
Sr No.	Description	Qty.	Rate	Rate in words	Unit	Amount.	
1	Providing and fixing LUXMAX Steel Poles -114 (4Mtr) are made of galvanised mild steel tube having 114mm dia bottom and 60/75mm dia at top with cast alum. Embelishments -Q3. The Poles are primer coated with polyurethane paint. Pole are suitable for single/ Double/ Trippi/ Four side post top/Drop down luminaires. The Poles has a service window at the Bottom comprising four way 25 AMP connector terminal and a MCB. Pole has a mild steel base plate having 4Nos. mounting holes as per drawing and can be mounted with 4 Nos. anchor bolts as required complete with all respect as per the satisfaction of the Engineer-in-charge. Make:- Twinkle / Bajaj / K-lite.	6 Nos			Each		
2	Supply and erection Campus LED post top fixture are made of Die cast aluminium base and spun aluminium top fitted with LED PT Module,Power LED's (40 watt) 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.	8 Nos			Each		
3	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:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI. 3x1.5 Sq. mm.	24 Metre			Per Metre		
4	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. Single pole. Cat-A.	3 Nos.			Each		
5	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.. Double pole Cat-A	1 Nos.			Each		
6	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. Double door-4 way	1 No.			Each		

7	Providing and laying of aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade direct in ground in the same trench, in one tier horizontal formation to be laid 1 meter below the ground level including excavation and refilling the trench etc.as required, but excluding sand cushioning and protective covering etc. of required size complete in all respect as per entire satisfaction of Engineer-in- Charge. Cable Make : CCI/ Universal/ Finolex / Polycab / Rallison / Grandlay	105	Metre				Per Metre	
8	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 as per entire satisfaction of Engineer-in- Charge. Cable Make : CCI/ Universal/ Finolex / Polycab / Rallison / Grandlay / KEI.	5	Metre				Per Metre	
9	Armoured cable 6 sq. mm (3.5 core)	2	nos				Each	
10	S/F Single door 2 way encloser as per including connection complete in all respect	10	Metre				Per Metre	
	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.							
	25 mm. dia							
							TOTAL	


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

							Estimated cost:- Rs. 116855/-only
							Earnest Money:- Rs. 2350/-only
							Time:- One month
Schedule of Quantity							
Name of work:- replacement of old/ damaged electriocal fitting in set No. 1,14,15, dining hall and JE office at PWD rest house Sundernagar Distt.							
Mandi							
Sr.No	Description	Qty	Rate	Rate in words	Unit	Amount	
1.00	Supplying & fixing DOWN LIGHT 24W recess round/square 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:- Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Luminaires .	6 Nos.			Each		
2.00	Supplying & fixing LED TUBE 18 W,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.	5 Nos.			Each		
3.00	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 as per entire satisfaction of Engineer- in- Charge. Make : Usha / Bajaj / Anchor Panasonic.						
4.00	Ceiling Fan 1200 mm sweep	6 Nos.			Each		
5.00	Supplying and fixing bakelite batten/angle holder including connections etc. as required:- Make:- Anchor , Cona , SSK	3 Nos.			Each		
	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No. HRRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required complete in all respectas per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.						
	2x1.5 Sq. mm.	42			Metre		
	2x4.0 Sq. mm.	8			Metre		
6.00	Wiring for circuit / sub-main with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 2 No.4 Sq.mm. (4X4+2X4)HRRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respectas per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	5			Metre		

Job- 6		Estimated Cost :- Rs. 164292/- Only				
		Earnest Money :- Rs. 3300/- Only				
		Time :- One Month.				
SCHEDULE OF QUANTITY						
Name of work:- Providing Connection to MCH from 250 KVA DG Set at Civil Hospital Sunder Nagar District Mandi H.P.						
S.No.	Description	Qty.		Rate	Unit	Amount
		In Fig.	In Words			
1	Providing and fixing following rating, four pole, 415 volts, On-Load change over switch unit, AC 23 A duty, in sheet steel enclosure, with side handle operation, including drilling holes on the board, making connections, etc. as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : L&T / Schneider / ABB / Legrand.	1	No.		Each	
	400 amps					
2	Providing, laying and fixing of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade on surface etc. of the required size complete in all respect as per entire satisfaction of Engineer-in-Charge. Cable Make : CCI/ Universal/ Finolex / Polycab / Rallison / Grandlay / KEL.	38	Metre		Per Metre	
	Armoured cable 400 sq. mm (3.5 core)					
TOTAL						


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

Job-							Estimated Cost:- Rs. 211330/-only.	
							Earnest Money:- Rs. 4300/-only.	
							Time :- Two Month	
Schedule of quantity								
NAME OF WORK: R/M of E.I accessories of various non-residential buildings at SLBSGMC&H Ner Chowk Distt Mandi [HP] (Sh:- Replacement & maintenance of damaged fan,accessories,MCB & light fixture in Nursing Hostel Mess, Nursing student hostel, Medical college therein)								
S.N.	Description	Qty.	Rate in figure.	Rate in words	Unit	Amount		
1	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 as per entire satisfaction of engineer in charge. Make:- PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GENSCAB / CMI.							
1.01	1x1.5 Sq.mm.	200	Metre		Per Metre			
1.02	1x4.0 Sq.mm.	200	Metre		Per Metre			
1.03	1x6.0 Sq.mm.	20	Metre		Per Metre			
2	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required complete in all respect as per entire satisfaction of engineer in charge. Make:- ESS ESS KAY/COSMO/Anchor/L&T.							
2.01	5/6 amps. 1-way Modular switch.	200	Nos		Each			
2.02	15/16 amps. 1-way Modular switch.	200	Nos		Each			
2.03	5 pin 5/6 amps. Modular socket outlet.	100	Nos		Each			
2.04	6 pin 15/16 amps. Modular socket outlet.	100	Nos		Each			
3	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 Ultimate / Bajaj Ultima / Anchor Panasonic.	20	Nos		Each			
3.01	Ceiling fan 1200 mm sweep (Category -A)							

4	Supplying and fixing stepped type Modular fan regulator on the existing modular box including making connections etc. as required. Make : Usha Ultimate / Bajaj Ultima / Anchor Panasonic.	10	Nos.			Each
5	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respect. Make : L&T / Legrand / ABB/ SIEMENS.	10	Nos			Each
5.01	Single pole.(Category-A)					
6	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respect. Make : L&T / Legrand / ABB/ SIEMENS.	5	Nos			Each
6.01	Double pole.(Category-A)					
7	Providing and fixing of surface mounted Luminaire LED 20 Watt batten ,having high Quality design aluminium extruded decorative end caps and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion <10% and efficiency>100 Lumens per watt ,CRI> 80 suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc as required .Make :-Philips(BN021LED25S6500PSU GRS1),Havell,Crompton or its equivalent as approved by Engineer-in-charge.	40	Nos			each
8	Providing and fixing of LED Tube Rod retrofit PL-L 4Pin with direct plug of 18 Watt ,having Cat No. 18w/865 6500K of Make Philips in the existing tube fixture as required complete in all respects. Make Philips, Havell's, Crompton Greaves etc. as approved by Engineer-in-charge.					
8.01	LED Tube 18 W Rod	20	Nos			Each
8.02	LED Tube 10 W Rod	40	Nos			Each
	Total					


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

Job-					Estimated Cost :- Rs. 215920/- Only
					Earnest Money :- Rs. 4318/- Only
					Time :- One Month.

SCHEDULE OF EQUIPMENT

	Unit	Amount
NAME OF WORK :- Replacement of old lights with LED D/L lighter & 2 Tonne capacity A.C in conference hall & 4KVA voltage stabilizer at Road Mandi under ESD Mandi		

S.No.		Description	Qty.	In Figure	Rate In Words	Unit	Amount
1		Supplying & Fixing of Air Conditioner of Lloyd/ Voltas/ Samsung / LG or equivalent make 2 Tonne A.C split type Hot & Cold i/c voltage stabilizer 4 KVA 230 volts AC Supply and stand for outdoor AC unit complete with installation , testing ,connection etc. as reqd. complete in all respect.	1	81120.00		EACH	
2		Prov. & fixing Voltage stabilizer 4 KVA for 1.5 ton AC complete in all respect. guard make	2	3270.00		EACH	
		Prov. & fixing Voltage stabilizer 4 KVA for 2ton AC complete in all respect. guard make	3	3873.00		EACH	
3		Prov. & fixing Roller for 2 Tonne A.C complete in all respect.	1	4527.00		EACH	
4		Prov. & fixing LED surface mounted 2x2 36 watt square panel with aluminium die cast housing of superior quality complete with connection , commissioning as reqd. complete in all respect. Make Twinkle / Great White/Syska / Opulus / Bajaj / Great White / Phillips etc.	8	2646.00		EACH	
5		Prov. & fixing Sparkle pro fixed downlighter 70w superior quality complete with connection , commissioning as reqd. complete in all respect. Make:- Havells / Twinkle / Great White/Syska / Opulus / Bajaj / Great White / Phillips etc.	7	8144.00		EACH	
6		Prov. & fixing Endurahod downlighter 21 W+ Driver superior quality complete with connection , commissioning as reqd. complete in all respect. Make:- Havells / Twinkle / Great White/Syska / Opulus / Bajaj / Great White / Phillips etc.	18	1941.00		EACH	
		Total					
		Less Dismental credit		L/S			-1000.00
		Total					

Executive Engineer
Electrical Division
HPPWD, Mandi

Job- 8							ESTIMATED COST :-Rs. 147676/- Only
							EARNEST MONEY :- Rs. 3000/- Only
						Time :- One Month	
SCHEDULE OF QUANTITY							
Name of work:- A/A to veterinary hospital at Pail Distt, Mandi (H.P.) (SH:- Prov. Et therein)							
S.N	Description of items	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 (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit and earthing the light point with 1.5 Sq.mm. HFR/LS/PVC insulated single core copper conductor cable as required complete in all respect. i) Group C Cable make: PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	26	Nos		Each		
2.00	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 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	10	Nos.		Each		
3.00	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	7	Nos.		Each		
4.00	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 / COSMO/Anchor	1	Nos.		Each		
5.00	Supplying and fixing bakelite batten/angle holder including connections etc. as required complete in all respect. Make:- Anchor, Cona, SSK	1	Nos		Each		
6.00	Supplying and 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/ Twinlita / Panasonic.	3	Nos.		Each		

	Supplying and fixing 20 Watt Ultra slim LED panel made from extruded aluminium housing frame Surface/recess/pendant)1ft x1ft complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects as per entire satisfaction of Engineer-in- Charge. Make:- Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Luminaires.	2	Nos.		Each	
8.00	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 as per entire satisfaction of Engineer-in- Charge. Make:- Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Luminaires.	6	Nos.		Each	
9.00	Supplying and 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.	2	Nos.		Each	
10.00	Supplying and fixing LED bulk head fitting 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.	2	Nos.		Each	
11.00	Supplying and fixing 25 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.	2	Nos.		Each	
12.00	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.	2	Nos.		Each	
	32 mm dia. G.I. pipe, heavy class					
13.00	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 core flexible,FRLS PVC, 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.	4	Nos.		Each	
	Ceiling Fan 1200 mm sweep					
14.00	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:- Make : Usha / Bajaj / Anchor Panasonic.	1	Nos.		Each	
	Exhaust Fan, light duty, (Domestic) 300 mm sweep					

10	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.	2	Nos.			Each
16.00	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. Make: L&T / Legrand / SIEMENS.	12	Nos.			Each
	Single pole. Cat-A.					
17.00	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. Make: L&T / Legrand / SIEMENS.	1	No.			Each
18.00	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. Cat-A Make: L&T / Legrand / SIEMENS.	1	No.			Each
	Double door-16 way					
19.00	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			Per Set
20.00	Extra for using salt and charcoal for pipe earth electrode complete as required. complete in all respect.	1	Set			Per Set
21.00	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.	20	Metre			Per Metre
22.00	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. HFR/LS/PVC insulated single core copper conductor cable of same size for earthing as required complete in all respects per entire satisfaction of the Engineer in charge. Cable Make: PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.					
i	2x1.5 Sq. mm.	40	Metre			Per Metre
ii	2x4.0 Sq. mm.	70	Metre			Per Metre

iii	2X6 Sq mm	4	Metre		Per Metre
23.00	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. Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI .	25	Metre		Per Metre
24.00	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. Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI .	30	Metre		Per Metre
	3x1.5 Sq. mm.				TOTAL

Executing Engineer
 Elect. Divn. H.P.R.W.D.,
 Mandi (H.P.) 175001

Job- 10/20					Estimated Cost :- Rs. 122547/- Only
					Earnest Money :- Rs. 2500/- Only
					Time :- Along with civil work
SCHEDULE OF QUANTITY					
Name of work:- C/o Pre-fabricated structure for barrier / checkpoint at Jagatsukh in the Manali, District - kullu SH: Providing EI there in)					
S.No.	Description	Qty.	In Fig.	Rate In Words	Unit Amount
1	Wiring for light plug with 2x1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respect. MAKE:- FINOLEX/ PLAZA / RR / UNITECH / BENTON / KEI 2x10 Sq. mm.	5	Metre		Per Metre
2	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 and capping with modular switch, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect as per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX. Group C.	17	Nos.		Each
3	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC Casing and capping along with 1 No. HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required complete in all respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.				
i)	2x1.5 Sq. mm.	40	Metre		Per Metre
ii)	2x4.0 Sq. mm.	40	Metre		Per Metre
4	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required complete in all respect., PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI Cable make.				
i)	3x1.5 Sq. mm.	20	Meter		Per Metre

Sl. No.	Description	Quantity	Unit	Remarks
5	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).	10	Nos.	
6	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).	6	Nos.	
7	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : L&T / Legrand / Siemens.	14	Nos.	
8	Single pole Cat-A. Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : L&T / Legrand / Siemens.	2	Nos.	
9	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 as per entire satisfaction of the Engineer in charge. Make : L&T / Legrand / Siemens.	2	Nos.	
10	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, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required complete in all respect as per entire satisfaction of Engineer-in-Charge. Make L&T / LEGRAND / SIEMENS.	2	Nos.	

	decorative end caps complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Makes:-Jaquar(Glaze LED Batten PC) (Cat No.LGLZPCX020XC)/C&S/Crompton/bajaj or Equivalent.								
12	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.					Each	
13	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. Makes:-Jaquar(LED Bulk Head) (Cat No.LBLK01x010XC)/C&S/Crompton/bajaj or Equivalent.	3	Nos					Each	
14	Supplying & fixing DOWN LIGHT 6W 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. Makes:-jaquar NERO SURFACE ROUND (Cat no LNRO02R006SC)/C&S/Crompton/bajaj or Equivalent make.	3	Nos					Each	
15	Earthing with G.I earth pipe 4.5 mtr. long and 40mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke Extra for using salt and charcoal for G.I. or copper plate earth electrode complete as required complete in all respect.	1	Set					Per Set	
16		1	Set					Per Set	
17	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of Expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of Non-return valve, Dead weight safety valve, 2 No C.P. connection rods 18" long, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge. (Make : Racold)/ Venus / Crompton Grieves /Usha.)								
i)	25 Liter capacity water heater (Cat-A)	1	No.					Each	
ii)	10 Liter capacity water heater (Cat-A)	1	No.					Each	

18	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: Bajaj/Siska/Jaguar/Philips	1	No.		Each
19	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.	20	Metre		Per Metre
	25 mm. dia				
	TOTAL				

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

Estimated Cost :- Rs. 300270/- Only
Earnest Money :- Rs. 6050/- Only
Time :- One Month.

Schedule of quantity					
NAME OF WORK:-R/M of E.I in HPPWD Rest House Dharampur Teshil Dharampur Distt Mandi S.H. Prov. Rewiring, Modular accessories and led fixture there in)					
S. No.	Description	Qty.	In figer	Rate In words	Unit Amount.
1.00	Rewiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in Existing Conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect as per entire satisfaction of Engineer- in- Charge. . Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / HEVELLS	32 Nos			Each
2.00	Group C. 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 (enGem) / Anchor Panasonic (Penta) /SSK / ABB (Similar Class).	10 Nos.			Each
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 16 amps, modular Mini Mcb, connections etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Legrand (Myriu) / L&T (enGem) / Anchor Panasonic (Penta) /SSK / ABB (Similar Class).	10 Nos.			Each
4.00	Supplying and fixing following rating Plano-type switch /socket on the existing switch box / cover including connections etc. as required. Make : Legrand / L&T / Anchor Panasonic/SSK / ABB.				
4.01	5/6 Amps. piano type switch	6 Nos			Each
4.02	5 pin 5/6 Amps. Socket	6 Nos			Each
4.03	6 pin 15/16 Amps. socket outlet	5 Nos			Each
4.04	15/16 Amps. one way, piano type switch	6 Nos			Each
5.00	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 (Myriu) / L&T (enGem) / Anchor Panasonic (Penta) /SSK / ABB (Similar Class).				
5.01	TV. socket outlet	5 Nos			Each

5.02	Telephone socket		6 Nos		Each	
6.00	Supplying and fixing of Modular-type USB-A Charger single port on the surface/recessed with modular plates, suitable G.I. box and cover including connections etc. as required Complete in all respect. Make : Legrand (Myrtu) / L&T (enGem) / Anchor Panasonic (Penta) /SSK / ABB (Similar Class).		6 Nos		Each	
7.00	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 .		7 Nos		Each	
8.00	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 : Usha / Bajaj / Anchor Panasonic / Hevelis .		2 Nos		Each	
9.00	Ceiling fan 1200 mm sweep (Category -A)					
10.00	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. Make: Bajaj , Usha, Hevelis		2 Nos		Each	
	Exhaust Fan, Light duty, (Domestic) 300 mm sweep					
10.00	Providing & fixing of LED Bed light 3 Watt to enhance the delight of occupants with comfortable experience through its classic design & glare free illumination of Jaquar make as per Cat no. WBR-CHR-MB12021192A complete with Connection,testing commissioning etc as required in all respect.(Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max . Hevelis/ Clair)		4 Nos		Each	
11.00	Providing & fixing of LED Mirror light 4 Watt to enhance the delight of occupants with comfortable experience through its classic design & glare free illumination of Jaquar make as per Cat no. JNL-BRG-WLCONESIE14 complete with Connection,testing commissioning etc as required in all respect.(Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max . Hevelis/ Clair)		4 Nos		Each	
12.00	Providing & fixing of LED Wall Lamp opal glass 4 Watt to enhance the delight of occupants with comfortable experience through its classic design & glare free illumination of Jaquar make as per Cat no. KCH-CHR-MB160275531B complete with Connection,testing commissioning etc as required in all respect. (Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max . Hevelis/ Clair)		3 Nos		Each	
13.00	Providing & fixing of LED Batten of 40 Watt to enhance the delight of occupants with comfortable experience through its classic design & glare free illumination of Clare make as per Cat no. ZD-LTD010-40W complete with Connection,testing commissioning etc as required in all respect.(Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max . Hevelis/ Clair)		6 Nos		Each	
14.00	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 / Jaquar / (Twinkle) Lux Max . Hevelis/ Clair)		4 Nos		Each	

15.00	Providing and fixing LED Recess mounted 2x2 36 watt Square pannel with aluminium die cast housing of superior quality complete with Connection,testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. (Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max. Hevelis/ Clair)	2 Nos			Each
16.00	Providing and fixing LED SURFACE/RECESS/PENDENT 20 watt Square pannel with aluminium die cast housing of superior quality complete with Connection,testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max. Hevelis .	6 Nos			Each
17.00	Providing and fixing Recess mounted Square/ Round LED downlight 12 Watt with Al die-cast body finish with drop down PC diffuser to deliver low glare illumination with optimized heat sink for efficient heat dissipation complete with Connection,testing commissioning etc as required in all respect as per entire satisfaction of the Engineer in charge. (Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max. Hevelis/ Clair)	6 Nos			Each
18.00	Providing and fixing Recess mounted Square/Round LED downlight 6 Watt with Al die-cast body finish with drop down PC diffuser to deliver low glare illumination with optimized heat sink for efficient heat dissipation complete with Connection,testing commissioning etc as required in all respect as per entire satisfaction of the Engineer in charge. (Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max. Hevelis/ Clair)	4 Nos			Each
19.00	Providing & fixing of LED Lupus wall light 2 x 3 W to enhance the delight of occupants with comfortable experience through its classic design & glare free illumination of Jaquer make as per Cat no. LWWL03X203XW complete with Connection,testing commissioning etc as required in all respect.	2 Nos			Each
20.00	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 : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max ,Hevelis)	1 Nos			Each
21.00	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 Make : AKG/ BEC / NIC/ Diplast.	60 Metre			Per Metre
22.00	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 Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GENSCAB / CMI.				
i)	3 x 1.5 Sq. mm.	50 Metre			Per Metre
ii)	3 x 4.00 Sq. mm.	60 Metre			Per Metre
iii)	3 x 6.00 Sq. mm.	2 Metre			Per Metre

23.00	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 complete in all respect as per entire satisfaction of Engineer- in- Charge. Cable Make : CCI/ Universal/ Finolux / Polycab / Railison / Grandlay / KEL.	60 Metre				Per Metre
24.00	Armoured cable 6sq. mm (Twin core) 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, Hevels					
i)	10 Liter capacity water heater (Cat-A)	1 No				Each
ii)	35 Liter capacity water heater (Cat-A)	2 Nos				Each
25.00	Supplying & fixing of bell indicator 12 way of superior quality ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	1 No				Each
26.00	Supplying and drawing following pair of Fire Retardant, PVC insulated 0.5 sq.mm. (FR-Flexible) copper conductor, flat, unarmoured, telephone cable in existing surfaces / recessed, steel / PVC conduit as required complete in all respect.	100 Metre				Per Metre
	2 Pair					
27.00	Supplying and fixing of Air Conditioner 1 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. Make :- Lloyd/Samsung/ Voltas/ Carrier / IFB or equivalent make	1 No				Each
						Total

Executive Engineer
Elect. Divn. H.P.P.W.D.,
Mandi (H.P.) 175001

		5 Nos			Each
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Est Cost ₹ 406562 406562/-
 Estimated saving ₹ 8200 8200/-

Schedule of Quantity

NAME OF WORK: Estimate for A/A to develop skilled Lab in Department of Gyne/ OBG of SLBS Govt. Medical College & Hospital at nercowk Distt.							
Mandi HP. (Sh:- Providing E.I. therein)							
S.N.	Description	Qty.	Rate in figure.	Rate in words Rupees	Unit	Amount	
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.						
1.01	Group C.	40			each		
2	Supplying & fixing of G.I. modular boxes of following sizes along with modular base and cover plate for modular switches in recess as required:-						
2.01	6 modules(205mmx78mmx50mm)	25			each		
3	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required.						
3.01	5/6 amps. 1-way Modular switch	84			each		
4	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required.	22			each		
5	Providing and fixing of LED recess round panel having rated voltage of 230 volts and operating range should be between 100-270V. The fixture should be able to withstand working temperature of -10 to 50 degree celsius & humidity of level of 10% to 90%. The Life expectancy should be greater then equal to 50,000 Hrs and compliance to IP-20 protection. as required complete in all respects. Make Philips, Havell's, Crompton Greaves etc. as approved by Engineer-in-charge.						

5.01	LED 18 watt		40	each				
6	Wiring for light plug with 2x1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1' No.1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.	250	meter					
7	Wiring for power plug with 2x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.	200	meter					
8	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-							
8.01	Single pole.(Category-A)	36	each					
9	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-							
9.01	Double pole.(Category-A)	3	each					
10	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 miliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required.							
10.01	63 Amps.(Category-A)	3	each					

11	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:-						
11.01	Double door-16 way	3	each				
12	Supplying and fixing sheet metal bus-bar chamber suitable for 100 Amp. 415 volts capacity with 4 No. copper strip bus-bars each of length 300mm & cross-sectional area (25.4mmx3.17mm), enclosure made from 1.6 mm thick M.S. sheet having overall dimensions (380mmx400mmx150mm) nominal with all accessories including connections, earthing the body etc. as required:-	1	each				
13	Providing and fixing following rating and breaking capacity MCCB in the existing cubical panel board including drilling holes in the cubicle panel, making connections, etc. as required complete in all respect to best satisfaction of Engineer-In-Charge.						
13.01	63 Amp. -36 KA	1	each				
14	Wiring for circuit / sub-main with 2x25 Sq. mm. PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.16 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.	30	meter				
	Total						

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

		Schedule Of Quantity		Estimated Cost:- Rs. 205325/- only		Earnest Money:- Rs. 4150/- only		Time:- One Month .	
NAME OF WORK:- Replacement of old switch, socket to modular and replace damage fitting in Tribal Bhavan at Bhunter Distt. Kullu		Description		Qty.		In figure		Rate	
Sr. No.								In words	
1		Supplying & fixing following size modular base and cover plate on the existing modular metal boxes as required complete in all respect.							
i)	2 modules			50 Nos				Each	
ii)	4 modules			10 Nos				Each	
iii)	6 modules			70 Nos				Each	
iv)	8 modules			1 Nos				Each	
v)	12 modules			36 Nos				Each	
2	Supplying & fixing Modular blanking plate on the existing modular metal box as required complete in all respect.			310 Nos				Each	
3	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required complete in all respect. : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).								
i)	5/6 amps. 1-way Modular switch			362 Nos				Each	
ii)	5/6 amps. 2-way Modular switch			28 Nos				Each	
iii)	Bell push, Modular			19 Nos				Each	
iv)	15/16 amps. 1-way Modular switch			46 Nos				Each	
v)	5 pin 5/6 amps. Modular socket outlet.			70 Nos				Each	
vi)	6 pin 15/16 amps. Modular socket outlet			46 Nos				Each	

4	Supplying and fixing of LED Mirror light including making connections, testing etc. as required complete in all respect. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Luminaires .	13	Nos			Each	
5	Supplying and fixing of fancy wall bracket containing thread type LED lamp holder(s) of all sizes and shapes, complete with all accessories including LED lamp including making connections, testing etc. as required complete in all respect. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Luminaires .	4	Nos			Each	
6	Bed side bracket, single swivel with shade (Category-A) Providing, Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Usha / Bajaj / Anchor Panasonic.	12	Nos.			Each	
7	Ceiling Fan 1200 mm sweep 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.	3	Nos.			Each	
8	25 Ltr Cat-A Supplying and fixing stepped type Modular fan regulator on the existing modular box including making connections etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Usha / Bajaj / Anchor Panasonic.	40	Nos.			Each	
9	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 as per entire satisfaction of engineer in charge. Make:- PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI. 3X1.5 Sqmm	40	Metre			Per Metre	
TOTAL							
Dismantal credit(-)							
TOTAL							-4000.00


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

Estimated Cost :- Rs. 180556/- Only
Earnest Money :- Rs. 3611/- Only
Time :- Along with Civil Work

Schedule of Quantity

NAME OF WORK :- Repair & Maintenance of Main Panel & Providing & Fixing changeover switch 200 amp., & Replacement of ceiling fan in AE Office (Design) at
Post Circle Office & Division No.II HPPWD Mandi Cash Branch at Jail Road Mandi.

S. No.	Description	Qty.	Rate		Unit	Amount
			In figer	In words		
1	Wiring for circuit / sub-main with 2x16 Sq. mm. PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.16 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required. MAKE :- PLAZA/ UNITECH/ BONTON/ KEI/BIYANI/ GESSCAB/CMI	25 Nos.			Each	
2	Cable 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					
3	Ceiling Fan 1200 mm sweep, Category-A Supplying and fixing stepped type Modular fan regulator on the existing modular box including making connections etc. as required.	6 Nos.			Each	
4	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 wall of 500mx500m x 450mm deep (nominal) including, Bus Bar 400Amp. = 4 mtr. MCCB 400 Amp. = 1 No. MCB SP 6 TO 32 Amp. Single pole. Cat-A. = 20 Nos. , MCB DP40/50/63Amp. = 2 Nos. , MCB DB Double door-12 way=2 Nos. , Phase indicator= 3Nos, Selector switch = 2Nos Digital Ammeter = 1No, Digital Volt Meter= 1No, CT Coil = 3Nos and internal control wiring etc. as required complete in all respect. MAKE :-	1 Nos.			Each	
5	LEGRAND / L&T/C&S/GE Prov. & Installation of Change over Switch 200 amp. Making connection etc as reqd complete in all respect. MAKE :- LEGRAND / L&T/C&S/GE	1 Nos.			Each	

6	Prov. & Installation Contractor 200 amps for AMF Panel Making connection etc as reqd complete in all respect. MAKE :- LEGRAND / L&T/C&S/GE	1	Nos.			Each	
7	Providing & fixing Thimble of various types as reqd . Complete in all respect. Thimble 70 Amp.	25	Nos.			Each	
	Total						


 Executive Engineer
 Elect. Divn. H. P. R. W. D.,
 Mandi (H.P.) 175001

Job-15								Earnest Money:- Rs. 294367/- only
								Earnest Money:- Rs. 5900/-
								Time:- Along With Civil Work
Schedule of Quantity								
NAME OF WORK:- A/A to 50 Bedded Civil Hospital at Bagsaid SH Prov A/A Cables, Wires, MCBS There in Balance Work								
Sr No.	Description	Qty.	Rate	Rate in words	Unit	Amount.		
1.00	Wiring for circuit/sub-main with 2x1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required. complete in all respect. as per entire satisfaction of engineer in charge. MAKE:- FINOLEX / PLAZA / RR / UNITECH / BENTION / KEI.							
i)	2x1.5 Sq. mm.	200	Metre		Per Metre			
ii)	2x4.0 Sq. mm.	150	Metre		Per Metre			
iii)	2x6 Sq. mm.	20	Metre		Per Metre			
2.00	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 surface/recessed Steelconduit along with 2 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required. complete in all respect. as per entire satisfaction of engineer in charge . MAKE:- FINOLEX / PLAZA / RR / UNITECH / BENTION / KEI.	100	Metre		Per Metre			
3.00	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 Steel 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. as per entire satisfaction of engineer in charge. MAKE:- FINOLEX / PLAZA / RR / UNITECH / BENTION / KEI.	35	Metre		Per Metre			
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. as per entire satisfaction of engineer in charge. i) 3x1.5 Sq. mm. MAKE:- FINOLEX / PLAZA / RR / UNITECH / BENTION / KEI.	100	Metre		Per Metre			

5.00	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. as per entire satisfaction of engineer in charge. i) Single pole. Cat-A. MAKE :- LEGRAND / L&T / C&S / GE	44	Nos.		Each	
6.00	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. as per entire satisfaction of engineer in charge. i) Double pole. Cat-A. MAKE :- LEGRAND / L&T / C&S / GE	2	Nos.		Each	
7.00	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamps in the existing MCB DB complete with connections, testing and commissioning etc. as required complete in all respect. as per entire satisfaction of engineer in charge.	2	Nos.		Each	
8.00	63 Amps. Cat-A. Supplying and fixing of following way, TP&N DB MCB distribution board, 415volts, 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. as per entire satisfaction of engineer in charge. MAKE :- LEGRAND / L&T / C&S / GE					
i)	Double door 6way	1	No.		Each	
ii)	Double door-8way	2	Nos.		Each	
iii)	Double door-12 way [36 WAY]	2	Nos.		Each	
					TOTAL	


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

Job-16							Earnest Money:- Rs. 290520/- only
							Earnest Money:- Rs. 6000/-
							Time:- Along With Civil Work
Schedule of Quantity							
NAME OF WORK:- A/A to 50 Bedded Civil Hospital at Bagsaid SH Prov EI IN OT and Attic floor there in							
Sr No.	Description	Qty.	Rate	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 with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect. as per entire satisfaction of engineer in charge. i) Group C. MAKE:- FINOLEX / PLAZA / RR / UNITECH / BENTION / KEI.	52 Nos			Each		
	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect. as per entire satisfaction of engineer in charge. i) Group C. MAKE:- FINOLEX / PLAZA / RR / UNITECH / BENTION / KEI.	35 Nos			Each		
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. as per entire satisfaction of engineer in charge. MAKE :-LEGRAND / (MYRIU) / L&T(ENTIC) /ANCHOR /SSK / ABB.	19 Nos.			Each		
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. as per entire satisfaction of engineer in charge. MAKE :-LEGRAND / (MYRIU) / L&T(ENTIC) /ANCHOR /SSK / ABB.	24 Nos.			Each		
4.00	Prov. & Fixing glazed LED 20 watt batten high quality design aluminium extruded with decorative end caps complete with connection , testing , commissioning 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.	10 Nos.			Each		

5.00	Prov. & fixing LED surface/RECESSED mounted 2x2 36 watt square panel with aluminium die cast housing of superior quality complete with connection , commissioning 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.	36	Nos		Each	
					TOTAL	


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

Job-3					Earnest Money:- Rs. 288690/- only
					Earnest Money:- Rs. 6000/-
					Time:- Along With Civil Work

NAME OF WORK:- A/A to 50 Bedded Civil Hospital at Bagsaid SH Prov LEDS, Exhaust Fans, Down Light Block B There in



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

Job- 						Earnest Money:- Rs. 299807/- only
						Earnest Money:- Rs. 6000/-
						Time:- Along With Civil Work
Schedule of Quantity						
NAME OF WORK:- A/A to 50 Bedded Civil Hospital at Bagsaid SH Prov Additional Point, LEDS in Block A There in						
Sr No.	Description	Qty.	Rate	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 with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect. as per entire satisfaction of engineer in charge. i) Group C. MAKE:- FINOLEX / PLAZA / RR / UNITECH / BENTION / KEI.	25 Nos			Each	
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. as per entire satisfaction of engineer in charge. MAKE :-LEGRAND / (MYRIU) / L&T(ENTIC) /ANCHOR /SSK / ABB.	5 Nos.			Each	
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. as per entire satisfaction of engineer in charge. MAKE :-LEGRAND / (MYRIU) / L&T(ENTIC) /ANCHOR /SSK / ABB.	8 Nos.			Each	
4.00	Prov. & fixing LED surface/RECESSED mounted 2x2 36 watt square panel with aluminium die cast housing of superior quality complete with connection , commissioning 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.	65 Nos			Each	
					TOTAL	


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

						Estimated cost:- Rs. 399502/- only	
						Earnest Money:- Rs. 8000/-	
						Time:- Along with civil work	
Schedule of quantity							
Name Of Work :- C/O Additional Accommodation at HPPWD Rest House at Mandap Teh. Dharampur Distt Mandi (SH. Prov. E.I There in)							
Sr No.	Description	Qty.	Rate	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 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.	60 Nos			Each		
2.00	Group C. Wiring for twin control light point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit with 2-way, 5/6 amps, modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	10 Nos			Each		
3.00	Group C. 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).	23 Nos.			Each		
4.00	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	10 Nos.			Each		
5.00	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 (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).						
5.01	(i) Telephone socket outlet, Modular.	5 Nos.			Each		
5.02	(ii) T.V. socket outlet, Modular.	4 Nos.			Each		

6.00	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 . Hevels/ Clair)	2	Nos			Each	
7.00	Providing and fixing LED Surface / pendant 1x1 20 watt Square / Round 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 . Hevels/ Clair)	12	Nos.			Each	
8.00	Providing and fixing Surface mounted Square / Recess LED downlight 12 Watt with Al Hevels/ Clair)	10	Nos			Each	
9.00	Providing & fixing of LED Wall Lamp opal glass 4 Watt to enhance the delight of occupants with comfortable experience through its classic design & glare free illumination of Jaquar make as per Cat no. KCH-CHR-MB16027531B complete with Connection,testing commissioning etc as required in all respect. (Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max . Hevels/ Clair)	4	Nos			Each	
10.00	Supplying and fixing of LED Mirror light including making connections, testing etc. as required complete in all respect. Make:- Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Luminaires .	5	Nos.			Each	
11.00	Providing and fixing of Led Foot light of L&T make having cat no. CB91102LW00 required complete in all respect.as per entire satisfaction of the Engineer in charge. (Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max . Hevels/ Clair)	5	Nos			Each	
12.00	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 / Jaquar / (Twinkle) Lux Max . Hevels/ Clair)	2	Nos			Each	
13.00	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 / Phillips / Jaquar / (Twinkle) Lux Max . Hevels/ Clair)	1	Nos			Each	
14.00	Providing & fixing of LED Bed light 3 Watt to enhance the delight of occupants with comfortable experience through its classic design & glare free illumination of Jaquar make as per Cat no. WBR-CHR-MB12021192A complete with Connection,testing commissioning etc as required in all respect.(Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max . Hevels/ Clair)	2	Nos			Each	

15.00	Supplying and fixing of Modular-type USB-A Charger single port on the surface/recessed with modular plates, suitable G.I. box and cover including connections etc. as required Complete in all respect. Make : Legrand (Myriu) / L&T (enGem) / Anchor Panasonic (Penta) /SSK / ABB (Similar Class).	4	Nos			Each	
16.00	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 .	5	Nos			Each	
17.00	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. Make : L&T / Legrand / Siemens.	25	Nos.			Each	
18.00	Single pole. Cat-A. Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respect. Make : L&T / Legrand / Siemens..	4	Nos.			Each	
19.00	Double pole Cat-A Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required complete in all respect. Make L&T / LEGRAND / SIEMENS.						
19.01	Double door-8 way	3	Nos			Each	
19.02	Double door-12 way	1	Nos			Each	
20.00	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 : Usha / Bajaj / Anchor Panasonic.						
20.01	Ceiling fan 1200 mm sweep (Category -A)	3	Nos			Each	
20.02	Ceiling fan 1400 mm sweep (Category -A)	2	Nos			Each	

21.00	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. Make:								
21.01	Bajaj, Usha, Anchor Exhaust Fan, Light duty, (Domestic) 300 mm sweep	4	Nos					Each	
23.00	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.								
23.01	2x1.5 Sq. mm.	70	Metre					Per Metre	
23.02	2x4.0 Sq. mm.	100	Metre					Per Metre	
23.03	2x10 Sq. mm.	50	Metre					Per Metre	
24.00	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 Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	50	Metre					Per Metre	
24.01	3x1.5 Sq. mm.	45	Metre					Per Metre	
25.00	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 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.								
26.00	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					Each	
27.00	Extra for using salt and charcoal for pipe earth electrode complete as required complete in all respect.	1	set					Each	
28.00	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.	20	Metre					Per Metre	

29.00	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.	60	Metre			Per Metre
29.01	25 mm. dia					
30.00	Supplying and drawing following pair of Fire Retardant, PVC insulated 0.5 sq.mm. (FR-Flexible) copper conductor, flat, unarmoured, telephone cable in existing surface / recessed, steel / PVC conduit as required complete in all respect.	60	Metre			Per Metre
30.01	2 Pair					
32.00	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 / Racold/ Crompton					
32.01	35 Liter capacity water heater (Cat-A)	4	Nos			Each
33.00	Supplying and fixing Bell indicator 12 way superior quality make and design suitable to operate on 230 volts A.C. supply as required complete in all respect.	1	Nos			Each
34.00	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 16 amps, Mini modular MCB, connections etc. as required.	3	Nos			Each
						Total


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

Earnest Money:- Rs. 278785/- only

Earnest Money:- Rs. 5600/-

Time:- Along With Civil Work

Schedule of Quantity

NAME OF WORK:- A/A to 50 Beded Civil Hospital at Bagsaid SH Prov A/A Of EI And Geysers in Block B There in

Sr No.	Description	Qty.	Rate	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 with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect. as per entire satisfaction of engineer in charge. i) Group C. MAKE:- FINOLEX / PLAZA / RR / UNITECH / BENTION / KEI.	109 Nos			Each	
2.00	Wiring for twin control light point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed Steelconduit, with 2-way modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.i) Group C. MAKE:- FINOLEX / PLAZA / RR / UNITECH / BENTION / KEI.	5 Nos			Each	
3.00	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. as per entire satisfaction of engineer in charge. MAKE :-LEGRAND / (MYRIU) / L&T(ENTIC) /ANCHOR /SSK / ABB.	27 Nos.			Each	
4.00	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required complete in all respect. as per entire satisfaction of engineer in charge. MAKE :-LEGRAND / (MYRIU) / L&T(ENTIC) /ANCHOR /SSK / ABB.	37 Nos.			Each	

5.00	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 : Usha/Bajaj/Crompton Greaves	5	Nos.			Each
	25 Liter capacity water heater (Cat-A)					
						TOTAL


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

Job- 27								Estimated Cost :- Rs. 410213/- Only
								Earnest Money :- Rs. 8250/- Only
								Time :- One Month.
SCHEDULE OF QUANTITY								
Name of Work :- Replacement of old Post Top Lantern , street Light Fixture , Armoured Cable in Rest House at Kotli Distt. Mandi (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		Per Metre			
2	Armoured cable 4 sq. mm (Twin core) 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:- FINOLE/ PLAZA/RR/UNITECH/BENTION/KEI	20	Metre		Per Metre			
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.		Each			
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.		Each			
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 stadlized 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.		Each			

6	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respect. MAKE :- LEGRAND / L&T/C&S/GE	2	Nos.			EACH	
	Double pole(Category-A)						
	Total						
	Less Dismantal credit		L/S				-2000.00
	Total						


 Executive Engineer,
 Electrical Division
 HP PWD Mandi (HP)

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

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

	2 Module	2	Nos.			EACH
12	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:-					
i	25 Liter capacity water heater (Cat-A)	2	Nos.			EACH
ii	10 Liter capacity water heater (Cat-A)	1	Nos.			EACH
13	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required. MAKE :- LEGRAND / L&T/C&S/GE					
	Single pole.(Category-A)	15	Nos.			EACH
14	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required. MAKE :- LEGRAND / L&T/C&S/GE					
	Double pole(Category-A)	2	Nos.			EACH
15	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	63 Amps.(Category-A)	2	Nos.			EACH
16	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required. MAKE :- LEGRAND / L&T/C&S/GE					
	4 way , Double door	7	Nos.			EACH
17	S/F of Muff for pole i/ cement concrete , plastering , painting space for MCB Box (size 180mmx100mmx45mm)	7	Nos.			EACH

18	Supplying and fixing stepped type Modular fan regulator on the existing modular box including making connections etc. as required. MAKE :-LEGRAND / (MYRIU)/L&T(ENTIC)/ANCHOR/SSK/ABB	8	Nos.			EACH
19	Providing, installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 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					
	Ceiling Fan 1200 mm sweep, Category-A	8	Nos.			EACH
20	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required. MAKE :- USHA/BAJAJ/ CROMPTON					
	Exhaust Fan, Light duty, (Domestic) 300 mm sweep	2	Nos.			EACH
21	Supplying and fixing wall bracket fitting single lamp with Opal glass with Nickel finishing Wall Lamp, holder cap E27, complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make :- JAQUAR (Cat no. JNL-CNR-WLSL55004E27)/C&S/Crompton/bajaj or Equivalent make.	10	Nos.			Each
22	Supplying and fixing LED mirror light including making connection testing etc. as required. Make :- WIPRO/ Philips/ Bajaj/ Jaquar	5	Nos.			Each
23	Supplying and fixing of fancy wall bracket containing thread type LED lamp holder(s) of all sizes and shapes, complete with all accessories but excluding LED lamp including making connections, testing etc. as required.					
	Bed side bracket, single swivel with shade (Category-A)	5	Nos.			EACH
24	Supplying and fixing LED Lamp 5 watt make including connections, testing and commissioning etc. as required complete in all respects and as directed by the Engineer-in-Charge. Make Twinkle / Great White/Syska / Opulus / Bajaj / Great White / Phillips etc.	14	Each			Each

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

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

Job- 23						Estimated Cost:- Rs. 196062/- only
						Earnest Money:- Rs. 3950/- only
						Time:- One Month.
Schedule Of Quantity						
Name of work:- Replacement of wiring in Type IV Residence near Field hostel Kullu Distt Kullu HP.						
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. Group-B Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI .	31	Nos		Each	
2	Wiring for twin control light point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit, with 2-way, 5/6 amps piano type switch and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect. Group-B Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI .	3	Nos		Each	
3	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps, piano type switch, connections, painting etc. as required complete in all respect .Make :- ESSESS KEY / COSMO /ANCHOR	12	Nos.		Each	
4	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc. as required. complete in all respect .Make :- ESSESS KEY / COSMO /ANCHOR	7	Nos.		Each	
5	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. i) Exhaust Fan, Light duty, (Domestic) 300 mm sweep Make: Bajaj , Usha, Anchor	3	Nos		Each	
6	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. (ANCHOR /CONA / ESSESSKAY)	1	No.		Each	
7	Providing and fixing surface LED Downlight 12 Watt light with aluminium housing complete with Connection, testing commissioning etc 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.		Each	
8	Providing and fixing LED Surface / pendant 1x1 20 watt Square pannel with aluminium die cast housing of superior quality complete with Connection, testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max .	8	Nos.		Each	

9	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.	5			Each	
10	Providing, Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0 20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge. i) Ceiling fan 1200 mm sweep (Category - A) Make : Usha / Bajaj / Anchor Panasonic.	3	Nos		Each	
11	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required complete in all respect. PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI cable make.					
i)	2x1.5 Sq. mm.	70	Metre		Per Metre	
ii)	2x4.0 Sq. mm.	100	Metre		Per Metre	
iii)	2x10 Sq. mm.	10	Metre		Per Metre	
12	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.	50	Metre		Per Metre	
13	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.	65	Metre		Per Metre	
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. i) Single pole. Cat-A. Make : L&T / Legrand / ABB/ SIEMENS.	12	Nos		Each	
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. i) Double pole Cat-A Make : L&T / Legrand / ABB/ SIEMENS.	1	No		Each	

24

							Estimated Cost:- Rs. 268653/-only.	
							Earnest Money:- Rs. 5400/-only.	
							Time :- One Month	
Draft Schedule of Quantity								
NAME OF WORK: Dehydration and Filtration of various mva capacities Transformer -10Nos with OLTTC at existing ESS-1 to ESS-6 of SLBS Govt. Medical Collage&Hospital Nerchowk Distt. Mandi (HP)								
S.N.	Description	Qty.		Rate in figure.	Rate in words Rupees	Unit	Amount	
1	Dehydration and Filtration of Transformer oil for Transformer 7.5MVA(2Nos)	7060	Ltr			P/Ltr		
2	Dehydration and Filtration of Transformer oil for Transformer 2MVA(4Nos)	6680	Ltr			P/Ltr		
3	Dehydration and Filtration of Transformer oil for Transformer 1.25MVA(2Nos)	2740	Ltr			P/Ltr		
4	Dehydration and Filtration of Transformer oil for Transformer 1MVA(2Nos)	3040	Ltr			P/Ltr		
5	Dehydration and Filtration of Transformer oil for Transformer OLTTC	1460	Ltr			P/Ltr		
6	Silica gel	25	Kg			P/Kg		
	Total							


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