

**HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT**

NOTICE INVITING TENDER

Sealed Percentage rate tender on Form No. 6&8 are invited by the Executive Engineer, Electrical Division, HPPWD, Mandi (H.P.) for the following works work at Sr No. 1 to 14 from approved and eligible contractors enlisted in appropriate class in HPPWD (Electrical) department having valid Electrical license, and for work at Sr No. 15 and 18 from Electrical Contractors / Approved firms having similar work experience so as to reach in his office on or before 01.02.2024 up to 03.00 P.M., and will be opened on the same day at 03.30 P.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 01.02.2024 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:- Repair and Maintenance of various Non Residential Buildings at Shri Lal Bahadur Shastri Govt. Medical College and Hospital Nerchowk District Mandi HP (SH: Replacement and maintenance of damaged E.I accessories in Nursing Hostel, Boys and Girls Toilet wiring and NRC lab therein) Estimated Cost: Rs. 457228/-only, Earnest money: Rs. 9145/- only, Time allowed: - Two Months.

Work No. 2 :- Additional Alteration to C.I.M.C in department of Pediatrics in Shri Lal Bahadur Shastri Govt. Medical College and Hospital Nerchowk District Mandi HP (SH: Providing E.I therein) Estimated Cost: Rs. 189725/-only, Earnest money: Rs. 3795/- only, Time allowed: - Two Months.

Work No.3:- C/o Additional Accommodation for Government High School Saindhal Tehsil Karsog District Mandi HP (SH: Providing E.I therein) Estimated Cost: Rs. 138984/-only, Earnest money: Rs. 2800/- only, Time allowed: - Along with civil work

Work No.4:- C/o Type-II 2 Nos. quarters at Police Thana Killar Tehsil Pangi District Chamba HP (SH: Providing E.I therein) Estimated Cost: Rs. 251708/-only, Earnest money: Rs. 5050/- only, Time allowed: - Along with civil work

Work No. 5:- Repair and Maintenance of E.I in HPPWD Rest House at Thiroi District Lahaul & Spiti HP (SH: Replacement of old light into LED, Geyser, Switch and Sockets with modular accessories therein) Estimated Cost: Rs. 152615/-only, Earnest money: Rs. 3100/- only, Time allowed: - One Month

Work No. 6:- C/o Ayurvedic Health Centre Building with Residence at Kurara Tehsil Sunder Nagar District Mandi HP (SH: Providing E.I therein) Estimated Cost: Rs. 334794/-only, Earnest money: Rs. 6700/- only, Time allowed: - Along with civil work

Work No. 7:- Replacement of Campus Lighting and damaged light fittings in the Residence of Deputy Commissioner, Lahaul & Spiti at Keylong Estimated Cost: Rs. 174043/-only, Earnest money: Rs. 3500/- only, Time allowed: - Along with civil work

Work No. 8:- C/o 2 Nos. Type-III Quarter for HPPWD Manali at Katrain, District Kullu HP (SH: Providing E.I therein) Estimated Cost: Rs. 457465/-only, Earnest money: Rs. 9150/- only, Time allowed: - Along with civil work.

Work No. 9:- Providing and fixing Yard Light in the campus of Circuit House Manali District Kullu (SH: Providing Yard light to Additional Accommodation campus) Estimated Cost: Rs. 494207/-only, Earnest money: Rs. 9900/- only, Time allowed: - Along with civil work

Work No. 10:- Providing and fixing Photocopier with other necessary items for Warehouse for storage of VVPAT's and EVM's at Dhalpur District Kullu HP Estimated Cost: Rs. 324500/-only, Earnest money: Rs. 6490/- only, Time allowed: - One Month

Work No. 11:- C/o Warehouse for storage of VVPAT's and EVM's at Dhalpur District Kullu HP (SH: Providing Yard Lighting therein) Estimated Cost: Rs. 487380/-only, Earnest money: Rs. 9750/- only, Time allowed: - Along with civil work

Work No. 12:- Installation, Testing and Commissioning of 20 KVA DG Set at Tehsil Office Sainj District Kullu HP Estimated Cost: Rs. 227063/-only, Earnest money: Rs. 4550/- only, Time allowed: - One Month

Work No. 13:- Providing Main Panel and Geyser in Rest House at Udaipur District L&S HP Estimated Cost: Rs. 137542/-only, Earnest money: Rs. 2800/- only, Time allowed: - One Month

Work No. 14:- Repair and Maintenance of various Non Residential Buildings at Shri Lal Bahadur Shastri Govt. Medical College and Hospital Nerchowk District Mandi HP (SH: Supplying and Installation of Batteries for Emergency Rescue Device and uninterrupted power Supply therein) Estimated Cost: Rs. 462280/-only, Earnest money: Rs. 9246/- only, Time allowed: - Two Months

Work No. 15 : Repair and Maintenance of various Non Residential Buildings at Shri Lal Bahadur Shastri Govt. Medical College and Hospital Nerchowk District Mandi HP (SH: Supplying and Installation of Batteries for uninterrupted power Supply for Dynamic Generator 3 Nos.) Estimated Cost: Rs. 378240/-only, Earnest money: Rs. 7565/- only, Time allowed: - Two Months

Work No. 16 : C/o Deputy Director Treasury Office-cum-Residence at Khaliyar District Mandi HP (SH: Providing Air Conditioners therein) Estimated Cost: Rs. 196184/-only, Earnest money: Rs. 4000/- only, Time allowed: - Two Months

Work No. 17 : Replacement of existing fire fighting system damaged landing valve, Butterfly valve, Hose Reel Nozzle, Hose pipe, Coupling and Hose Cabinet at Shri Lal Bahadur Shastri Govt. Medical College and Hospital Nerchowk District Mandi HP (SH: Providing Gun Metal, Fire Hose Cabinet and coupling for Gun metal male and female therein) Estimated Cost: Rs. 452730/-only, Earnest money: Rs. 9060/- only, Time allowed: - One Year

Work No. 18 : Providing and supplying Service for 4 No. Chiller Plants of HVAC system existing in Shri Lal Bahadur Shastri Govt. Medical College and Hospital Nerchowk District Mandi HP Estimated Cost: Rs. 330400/-only, Earnest money: Rs. 6610/- only, Time allowed: - One Month

Work No. 19 : Replacement of compressing Oil Filters and R134 Gas Filter Build Inner 700 Ltr capacity Chiller Machine existing at Shri Lal Bahadur Shastri Govt. Medical College and Hospital Nerchowk District Mandi HP Estimated Cost: Rs. 482630/-only, Earnest money: Rs. 9653/- only, Time allowed: - One Year

Work No. 20 : C/o Deputy Director Treasury Office-cum-Residence at Khaliyar District Mandi HP (SH: Providing Balance work of fire fighting therein) Estimated Cost: Rs. 493659/-only, Earnest money: Rs. 9900/- only, Time allowed: - Along with civil work

CERTIFICATE:-

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

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

NOTE:-

1. No contractor or his accredited agent shall be permitted to participate in the competition unless he holds a valid wiring license and have been duly registered in appropriate class in the HPPWD Department (Electrical)
2. No person or persons other than the contractor shall be issued tender documents unless he/they hold power of attorney duly registered under law. The tender of those contractors who are registered as dealer under H.P. General Sales Tax Act 1968 / GST and who have cleared all dues on accounts of tax will be entertained only.
3. The rates must be quoted in percentage (Above / Below) to the amount put to tender both in figures as well as in words otherwise tender will not be considered.
4. The eligible contractor should submit performance certificate for specialized jobs as required
5. Conduit pipe is to be laid simultaneously with the progress of civil work, wherever applicable
6. The tendered amount should be within the limit of (+) 5% to (-) 10%. Notification dated 07.10.2021 shall be applicable for Bid price lower than -10% and more than +5%.

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

No.PW-MED/TA/NIT/2023-2024--

Dated:

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, 1st Electrical Circle, HPPWD, Shimla HP
5. The Executive Engineer (IT) o/o Engineer-in-Chief, HPPWD, Shimla through email: cc-pwd-hp@nfc.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. 457228/-only.	
						Earnest Money:- Rs. 9145/-only.	
						Time :- Two Months	
Draft 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 accessories in Nursing hostel, boys & girls toilet wiring & NRC Lab therein)							
S.N.	Description	Qty.	Rate in figure.	Rate in words Rupees	Unit	Amount	
1	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed. Steel/PVC conduit as required. Make :- Plaza/Finolex/Unitech/Bonton/KEI/biyani/Gemsacb/CM I						
1.01	1x1.5 Sq.mm.	1020	67	Rupees sixty seven only	mtr	68340	
1.02	1x4.0 Sq.mm.	1195	43	Rupees fourty three only	mtr	51385	
1.03	1x10 Sq.mm.	288	86	Rupees eighty six only	mtr	24768	
2	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						
2.01	Single door-16 way	1	each	1269	Rupees one thousand two hundred sixty nine only	each	1269
3	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 miliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make:- Legrand/L&T/C&S/GE						

3.01	63 Amps. (Category-A)	4	each	3935	Rupees three thousand nine hundred thirty five only	each	15740
4	Providing, Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required:- Usha/Bjai/Anchor/Panasonic						
4.01	Ceiling Fan 1200 mm sweep, Category-A	15	each	2655	Rupees two thousand six hundred fifty five only	each	39825
5	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. Make:- Clair/Wipro/Bjai/Phillips/Jaquar/Twinkle	32	each	597	Rupees five hundred ninety seven only	each	19104
6	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:- Make:- Legrand/L&T/C&S/GE						
6.01	Single pole. (Category-A)	29	each	284	Rupees two hundred eighty four only	each	8236

7	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							
7.01	Double pole. (Category-A)	30	each	1058	Rupees one thousand fifty eight only	each	31740	
8	Supplying & fixing of G.I. modular boxes of following sizes along with modular base and cover plate for modular switches in recess as required:- Make:- Legrand/L&T/C&S/GE							
8.01	8 modules plate	1	each	163	Rupees one hundred sixty three only	each	163	
8.02	6 modules plate	115	each	125	Rupees one hundred twenty five only	each	14375	
8.03	4 modules plate	2	each	86	Rupees eighty six only	each	172	
8.04	3 modules plate	130	each	76	Rupees seventy six only	each	9880	
8.05	2 modules plate	3	each	54	Rupees fifty four only	each	162	
9	Supplying and fixing following rating Modular switch / socket in the existing switch box / cover plate including connections etc. as required. Make:- Legrand/L&T/C&S/GE/Anchor							
9.01	5/6 amps. 1-way Modular switch.	350	each	58	Rupees fifty eight only	each	20300	
9.02	15/16 amps. 1-way Modular switch.	350	each	109	Rupees one hundred nine only	each	38150	
9.03	5 pin 5/6 amps. Modular socket outlet	250	each	116	Rupees one hundred sixteen only	each	29000	
9.04	6 pin 15/16 amps. Modular socket outlet.	250	each	167	Rupees one hundred sixty seven only	each	41750	
10	Supplying and fixing bakelite batten/angle holder including connections etc. as required:-	10	each	69	Rupees sixty nine only	each	690	

11	Supplying and fixing LED Lamp 9 watt Havells make of base cap B-22 having Cat No LHLDEUEEM1.8R009 6500 k in the existing Batten holder, Pendant holder, wall bracket as required complete in all respect. Make Havell's, Philips, Crompton etc.	90	each	208	Rupees two hundred and eight only	each	18720
12	Wiring for power plug with 2x4 Sq. mm. PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in PVC casing & capping along with 1 No.4 Sq.mm. HRRF/LS/PVC insulated single core copper conductor cable for earthing as required. :- Plaza/Finolex/Unitech/Bonton/KEI/biyani/Gemsach/CM	35	meter	217	Rupees two hundred and seventeen only	meter	7595
13	Supplying and fixing LED Panel 2' x 2' recess light having protection IP-20, suitable for operating voltage 100-270V, working temperature range -10 to 50 degree celsius, working humidity in range 10% to 90% RH, powder coating housing made of CRCA sheet complete in all respect to best satisfaction of Engineer in charge. Clair/Wipro/Bjai/Phillips/Jaquar/Twinkle						
13	LED 36 watt	4	each	3966	Rupees three thousand nine hundred and sixty six only	each	15864
	Total						457228

Draft Schedule of quantity Checked and approved for Rs. 4,57,228/- only.

Executive Engineer,
Electrical Division Mandi,
HPPWD Mandi HP &

					Estimated Cost:- Rs. 189725/-only.	
					Earnest Money:- Rs. 3795/-only.	
					Time :- 2 months	
Draft Schedule of Quantity						
NAME OF WORK: Estimate for Additional Alreotion to C.L.M.C. in department of Pediatrics in SLBSGMC&H Nerchowk Distt Mandi HP (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 (HRRFR) and low smoke single core (flexible) copper conductor cable in PVC casing & capping and earthing the light point with 1.5 Sq.mm. HRRFLS/PVC insulated single core copper conductor cable as required. Make :- Plaza/Finolex/Unitech/Bonton/KEI/biyani/Gemisab/CMI					
1.01	Group C.	13	each	721	Rupees seven hundred twenty one only	each 9373
2	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/L&T/C&S/GE/Anchor	26	each	485	Rupees four hundred eighty five only	each 12610
3	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required. Make:- Legrand/L&T/C&S/GE/Anchor	7	each	587	Rupees Five hundred eighty seven only	each 4109

4	Wiring for light plug with 2x1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.1.5 Sq.mm. HRRFRLS/PVC insulated single core copper conductor cable for earthing as required. Make :- Plaza/Finolex/Unitech/Bonton/KEI/bivani/Gemsach/CMI	200	meter	143	Rupees one hundred forty three only	meter	28600
5	Wiring for power plug with 2x4 Sq. mm. PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.4 Sq.mm. HRRFRLS/PVC insulated single core copper conductor cable for earthing as required. Make :- Plaza/Finolex/Unitech/Bonton/KEI/bivani/Gemsach/CMI	170	meter	235	Rupees two hundred thirty five only	meter	39950
6	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:- Make:- Legrand/L&T/C&S/GE						
6.01	Single pole.(Category-A)	13	each	217	Rupees two hundred seventeen only	each	2821
7	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						
7.01	Double pole.(Category-A)	2	each	1138	Rupees one thousand one hundred thirty eight only	each	2276

8	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make:- Legrand/L&T/C&S/GE							
8.01	63 Amps. (Category-A)	2	each	3358	Rupees three thousand three hundred and fifty eight only	each	6716	
9	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts. on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:- Make:- Legrand/L&T/C&S/GE							
9.01	Double door-12 way	2	each	2251	Two thousand two hundred and fifty one only	each	4502	
10	Wiring for circuit / sub-main with 2x16 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.16 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required. Make :- Plaza/Finolex/Unitech/Bontop/KEI/hivani/Gemsach/CMI	40	mtr	934	Rupees nine hundred thirty four only	mtr	37360	

11	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.						
11.01	LED 18 watt	13	each	2353	Rupees two thousand three hundred and fifty three only	each	30589
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:- Make:- havells,crompton, Bajaj						
12.01	25 Liter capacity water heater (Cat-A)	1	each	10819	Rupees ten thousand eight hundred and nineteen only	each	10819
	Total						189725

Draft Schedule of quantity checked and approved for Rs. 1,89,725/- only.

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

Job							Estimated Cost:- Rs. 138984/- only	
							Earnest Money:- Rs. 2800/- only	
							Time:- Along with civil work.	
Draft Schedule of Quantity								
Name Of Work:- C/o Additional Accommodation for Govt High School Saindhal Tesil Karsog Distt Mandi(SH-Prov. E.I Ground & First floor therein)								
Sr. No.	Description	Qty.	In figure	In words	Units	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 with Modular switch, Modular Plate, 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:- PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	38	Nos.	1234.00	Rupees One Thousand Two Hundred ThirtyFour Only	Each	46892.00	
	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. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	6	Nos.	484.00	Rupees Four Hundred EightyFour Only	Each	2904.00	
3.00	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required complete in all respect. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	3	Nos.	607.00	Rupees Six Hundred Seven Only	Each	1821.00	
4.00	Providing, Installation, testing and commissioning of ceiling fan with step type fan regulator white in colour including wiring the down rods of standard length(up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required complete in all respect. i) Ceiling fan 1200 mm sweep (Category -A) Make : Usha / Bajaj / Anchor Paria sonic.	8	Nos.	2645.00	Rupees Two Thousand Six Hundred FourtyFive Only	Each	21160.00	
5.00	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 .	27	Nos.	646.00	Rupees Six Hundred FourtySix Only	Each	17442.00	
6.00	Supplying and fixing bakelite batten/angle holder including connections etc. as required Complete in all respect. Make: ANCHOR , CONA , ESS ESS KAY .	1	No.	80.00	Rupees Eighty Only	Each	80.00	
7.00	P/E LED Street light Fitting with cast aluminium body toughened glass and high power LEDs With Lenses complete with connections testing etc as required complete in all respect. Make Holinex / Opulus / Mayfair.	2	Nos.	2757.00	Rupees Two Thousand Seven Hundred FiftySeven Only	Each	5514.00	
8.00	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.	567.00	Rupees Five Hundred SixtySeven Only	Each	1134.00	
	32 mm dia. G.I. pipe, heavy class							

9.00	Wiring for light plug with 2x1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in 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 as per entire satisfaction of engineer in charge. Make:- PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	60	Metre	215.00	Rupees Two Hundred Fifteen Only	Per Metre	12900.00
10.00	Wiring for power plug with 2x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 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:- PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	20	Metre	329.00	Rupees Three Hundred TwentyNine Only	Per Metre	6580.00
11.00	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 PVC conduit along with 2 No. 4 Sq. mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respect as per entire satisfaction of engineer in charge. Make:- PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	10	Metre	556.00	Rupees Five Hundred FiftySix Only	Per Metre	5560.00
12.00	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. Make:- PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	10	Metre	98.00	Rupees NinetyEight Only	Per Metre	980.00
13.00	3x1.5 Sq. mm. Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No. HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required complete in all respect as per entire satisfaction of engineer in charge. Make:- PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	5	Metre	454.00	Rupees Four Hundred FiftyFour Only	Per Metre	2270.00
14.00	2x6 Sq. mm. 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. L&T, GE, C&S, Standard make.	8	Nos.	269.00	Rupees Two Hundred SixtyNine Only	Each	2152.00
15.00	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. L&T, GE, C&S, Standard make.	1	Nos.	1236.00	Rupees One Thousand Two Hundred ThirtySix Only	Each	1236.00
16.00	Double pole. Cat-A. Supplying and erection of 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. L&T, GE, C&S, Standard make.	1	Nos.	2302.00	Rupees Two Thousand Three Hundred Two Only	Each	2302.00
	63 Amp Cat -A						

[illegible]

Job-						Estimated Cost- Rs 251708/-only	
						Earnest Money -Rs 50500/-only	
						Time - Along with civil work	
DRAFT SCHEDULE OF QUANTITY							
Name of work:- C/o type- II 2 nos qtrs at Police Thana Kallar Tehsil Pangl Distt Chamba (SH:- Prov EI therein)							
S No	Description	Quantity	In Figure	In Words	Unit	Amount	
1.00	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HFRF) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit and earthing the light point with 1.5 Sq mm HFRF/PVC insulated single core copper conductor cable as required complete in all respect Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	44	Nos	880 00	Rupees Eight Hundred Eighty Only	Each	38720.00
2.00	Group A. Wiring for twin control light point with 1.5 Sq mm PVC insulated heat resistant flame retardant (HFRF) 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 HFRF/PVC insulated single core copper conductor cable as required complete in all respect Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	4	Nos	1311 00	Rupees One Thousand Three Hundred Eleven Only	Each	5244.00
3.00	Supplying and fixing metal box of 100mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps piano type switch, connections, painting etc as required complete in all respect Make :Anchor, Cona, SSK	16	Nos	314.00	Rupees Three Hundred Fourteen Only	Each	5024.00
4.00	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 required complete in all respect Make : :Anchor, Cona, SSK	10	Nos	489 00	Rupees Four Hundred EightyNine Only	Each	4890.00
5.00	Supplying and fixing balzeline batten/angle holder including connections etc as required complete in all respect Make : :Anchor, Cona, SSK	16	Nos	85 00	Rupees EightyFive Only	Each	1360.00
6.00	Providing and fixing LED tube 40 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.	16	Nos	85 00	Rupees EightyFive Only	Each	1360.00
7.00	Supplying & fixing DOWN LIGHT 23V Surface LED 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	5	Nos	2745 00	Rupees Two Thousand Seven Hundred FourtyFive Only	Each	16470.00
8.00	Supplying & fixing DOWN LIGHT 23V Surface LED 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	10	Nos	1015 00	Rupees One Thousand Fifteen Only	Each	10150.00

9.00	Supplying & 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.	4	Nos	2247.00	Rupees Two Thousand Two Hundred FortySeven Only	Each	8986.00
10.00	Supplying and erection of street light bracket made of G.I. pipe 'A' class of suitable length and dia. the pipe bented 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.	4	Nos	567.00	Rupees Five Hundred SixtySeven Only	Each	2268.00
11.00	32 mm dia. G.I. pipe, heavy class Providing, Installation, testing and commissioning of ceiling fan with Modular regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin 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 1200 mm sweep with 5-star rating Make : Usha / Bajaj / Anchor Panasonic.	4	Nos.	4549.00	Rupees Four Thousand Five Hundred FortyNine Only	Each	18196.00
12.00	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required complete in all respect Make : Usha / Bajaj / Anchor Panasonic.	4	Nos.	2244.00	Rupees Two Thousand Two Hundred FortyFour Only	Each	8976.00
13.00	Exhaust fan 300mm sweep Supply Erection, Installation and Commissioning of UniEarth Maintenance free chemical earthing system consisting of environment friendly ground enhancing compound 'G.E.C.' 50 kg or as required at site having anticorrosive and hygroscopic properties to replace excavated soil. It should consist of 'Uniearth' Copper bonded electrodes, as per site conditions and soil resistivity at various depth levels and different terrains. The electrodes should have coating of 250 microns of molecularly bonded pure electrolytic copper (99.9%) in 2 metre length, 17.2 mm diameter. Terminal joint 200x25x6mm GI Strip with exothermic welds. The electrode should be duly tested and certified by CPRI for 30 kA short time current test for 1 sec rms complete as required complete in all respect as per entire satisfaction of Engineer-in-Charge	2	Set	24943.00	Rupees TwentyFour Thousand Nine Hundred FortyThree Only	Per Set	49886.00
15.00	Supplying and laying 6 SWG G.I. wire at 0.50 mtr below ground level for earth electrode conductor including soldering etc as required	20	Metre	47.00	Rupees FortySeven Only	Per Metre	940.00
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 respects per entire satisfaction of the Engineer in charge Make : L&T / Legrand / Siemens	18	Nos	284.00	Rupees Two Hundred EightyFour Only	Each	5112.00
17.00	SP Cat-A Supplying and erection of 40/100/250 amps rating, 10 KA breaking capacity 240 volts 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc as required complete in all respect Make : L&T / Legrand / Siemens.	2	Nos.	1324.00	Rupees One Thousand Three Hundred TwentyFour Only	Each	2648.00

18.00	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.	2	Nos	2711.00	Rupees Two Thousand Seven Hundred Eleven Only	Each	5422.00
19.00	12 way 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 respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.						
19.01	2x1.5 Sq. mm.	90	Metre	215.00	Rupees Two Hundred Fifteen Only	Per Metre	19350.00
19.02	2x4.0 Sq. mm.	80	Metre	329.00	Rupees Three Hundred TwentyNine Only	Per Metre	26320.00
19.03	2x6 Sq. mm.	6	Metre	454.00	Rupees Four Hundred FiftyFour Only	Per Metre	2724.00
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 respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	30	Metre	556.00	Rupees Five Hundred FiftySix Only	Per Metre	16680.00
21.00	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 : L&T / Legrand / Siemens.	10	Metre	98.00	Rupees NinetyEight Only	Per Metre	980.00
	3X1.5 Sqmm						
	TOTAL						251708.00

Draft schedule of quantity checked and approved for Rs. 2,51,708/-only.

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

Job:-					Estimated Cost - Rs 152615/-only	
					Earnest Money - Rs 3100/-only	
					Time - One Month	
DRAFT SCHEDULE OF QUANTITY						
Name of work - R/M of EI in HPPWD Rest House at Thiroi Distt. L&S (SH:- Replacement of old light into LED, geyser, switch, socket in modular accessories therein)						
S No	Description	Quantity	In Figure	In Words	Unit	Amount
1.00	Re-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 existing surface/recessed Steel / PVC conduit with modular switch modular plates suitable G.I box and earthing the light point with 1.5 Sq mm. HRRF/LS/PVC insulated single core copper conductor cable including dismantling of the existing wiring as required complete in all respect (including switch & sheet etc.) Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	7 Nos	880.00	Rupees Eight Hundred Eighty Only	Each	6160.00
2.00	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).					
2.01	Switch 5 Amps, Modular	43 Nos	64.00	Rupees SixtyFour Only	Each	2752.00
2.02	Socket 5 Amps, Modular	15 Nos	134.00	Rupees One Hundred ThirtyFour Only	Each	2010.00
2.03	switch 15 Amps, Modular	11 Nos	126.00	Rupees One Hundred TwentySix Only	Each	1386.00
2.04	Socket 15 Amps, Modular	11 Nos	196.00	Rupees One Hundred NinetySix Only	Each	2156.00
2.05	Bell Push	5 Nos	110.00	Rupees One Hundred Ten Only	Each	550.00
3.00	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves miniature circuit breaker of following poles in the existing MCB DB complete with connections etc as required complete in all respects per entire satisfaction of the Engineer in charge. Make : L&T / Legrand / Siemens.	14 Nos	284.00	Rupees Two Hundred EightyFour Only	Each	3976.00
4.00	SP Cat-A Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts 'C' curves miniature circuit breaker of following poles in the existing MCB DB complete with connections etc as required complete in all respect. Make : L&T / Legrand / Siemens.	3 Nos	1324.00	Rupees One Thousand Three Hundred TwentyFour Only	Each	3972.00
5.00	Supplying & fixing LED TUBE 40 W PC BATTEN complete with all accessories connections testing and commissioning etc. as required complete in all respect. Make : L&T / Legrand / Siemens.	10 Nos	2745.00	Rupees Two Thousand Seven Hundred FortyFive Only	Each	27450.00
6.00	Providing and fixing LED bulb 9 watt in existing holder as required complete in all respect	10 Nos	85.00	Rupees EightyFive Only	Each	850.00
7.00	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 : Usha / Bajaj / Anchor Panasonic.	2 Nos	2244.00	Rupees Two Thousand Two Hundred FortyFour Only	Each	4488.00
8.00	Ex fan 300mm sweep Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-vents with studs and washers including erecting of expansion bolts in the wall providing and fixing of 2 No C.P. connection rods 18" long making good the damages electrical connections testing and commissioning etc. as required complete in all respect. Make:- Bajaj/Usha/Jaquar					

Draft Schedule Of Quantity					
Name of work - C/o Ayurvedic Health Centre building with residence at Kurara tehsil, Sunder Nagar Distt Mandi (H.P.) SH - Prov - E - I therein					
S N	Description	Quantity	Rate in figure	Rate in words	Unit
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 Group C. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	25 Nos.	1318.00	Rupees One Thousand Three Hundred Eighteen Only	Each
2.00	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 Group A. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	21 Nos.	1057.00	Rupees One Thousand FiftySeven Only	Each
3.00	Wiring for twin control 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 2-way modular switch modular plates, suitable G.I. box and earthing the light point with 1.5 Sq. mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect Group A. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	2 Nos.	1100.00	Rupees One Thousand One Hundred Only	Each
4.00	Supplying and fixing G.I. Modular box of suitable size with modular plate and cover in front on surface odr on 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).	14 Nos.	494.00	Rupees Four Hundred NinetyFour Only	Each
5.00	Supplying and fixing G.I. Modular box of suitable size with modular plate and cover in front on surface odr on 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.	616.00	Rupees Six Hundred Sixteen Only	Each
6.00	Supplying and fixing G.I. modular Box of suitable 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)	2 Nos.	1079.00	Rupees One Thousand SeventyNine Only	Each
					2158.00

7.00	Supplying & fixing 24 Watt Ultra slim LED panel made from extruded aluminium housing frame Surface/recess/pendant)1ft x1ft approx complete with all accessories connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Makes:-Havell's(surface) (Cat No LHEAABP7IN1W024)/C&S/Crompton/bajaj or Equivalent.	7	Nos	2523.00	Rupees Two Thousand Five Hundred Twenty Three Only	Each	17661.00
8.00	Supplying & fixing Slim LED Panel 2Ft X 2Ft 40 Watt Surface mounted (having Cat No LSVR01S040XW) made from extruded 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(Sauver surface) (Cat No LSVR01S040XW)/C&S /Crompton /bajaj or Equivalent.	2	Nos	3900.00	Rupees Three Thousand Nine Hundred Only	Each	7800.00
9.00	Supplying & fixing Decorative ultra slim aluminium LED TUBE 22 W LED 6500 K LHEXACP7IN1S022.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 Makes:-Havells LED BATTEN (22 W LED 6500 K LHEXACP7IN1S022) /C&S/Crompton/bajaj or Equivalent make.	8	Nos	608.00	Rupees Six Hundred Eight Only	Each	4864.00
10.00	Supplying & 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 Makes:-Havell's STYLO (Cat no. LHOFTE1T21W012 /C&S/Crompton/bajaj or Equivalent make.	5	Nos	840.00	Rupees Eight Hundred Forty Only	Each	4200.00
11.00	Fixed type wall bracket 150 dia. single lamp (Category-A) Supplying and fixing bakelite batten/angle holder including connections etc as required complete in all respect. Make:- ANCHOR /CONA /SSK	4	Nos	88.00	Rupees Eighty Eight Only	Each	352.00
12.00	Supplying & fixing DOWN LIGHT 12W Surface LED Round / Square light of Havells Make Having Cat No (LHEAACP7IL1W012 / LHEAACP7IL1W012) 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:-TRIM COSMO SURFACE ROUND/SQUARE (Cat no LHEAACP7IL1W012 / LHEAACP7IL1W012)/C&S/Crompton/bajaj or Equivalent make.	2	Nos	1015.00	Rupees One Thousand Fifteen Only	Each	2030.00
13.00	Providing, installation, testing and commissioning of ceiling fan with step type fan regulator white in colour 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 Cat-A Make:- Usha / Bajaj / Anchor Panasonic.	8	Nos	2655.00	Rupees Two Thousand Six Hundred Fifty Five Only	Each	21240.00
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 complete in all respect as per entire satisfaction of Engineer-in-Charge. Make:- Usha / Bajaj / Anchor Panasonic.	6	Nos	2244.00	Rupees Two Thousand Two Hundred Forty Four Only	Each	13464.00
	Exhaust Fan, Light duty (Domestic) 300 mm sweep						

15.00	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:- SSK / CONA / Anchor Panasonic.	2	Nos	279.00	Rupees Two Hundred SeventyNine Only	Each	558.00
16.00	Supplying & 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 Makes:-Jaquar (LED Street light) (C&S/Crompton/Bajaj or Equivalent.	4	Nos.	2544.00	Rupees Two Thousand Five Hundred FortyFour Only	Each	10176.00
17.00	Supplying and erection of street light bracket made of G.I. pipe 'A' class of suitable length and dia, the pipe bent to give an angle of 100 to 110 degree fitted with bolt & nuts at the top of existing pole or wall including painting the pipe with two coats of approved paint over priming coat as required complete in all respects i) 32 mm dia G.I. pipe, heavy class	4	Nos.	727.00	Rupees Seven Hundred TwentySeven Only	Each	2908.00
18.00	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 on wall, providing and fixing of 2 No. C.P. connections rods 18" long making good the joints, electrical connections, testing and commissioning etc. as required complete in all respect as per entire satisfaction of Engineer-in-charge Make : BAJAJ / USHA / RECOLD						
18.01	25 Liter capacity water heater (Cat-A)	1	Nos	13721.00	Rupees Thirteen Thousand Seven Hundred TwentyOne Only	Each	13721.00
18.02	10 Litrecapacity water heater (Cat-A)	1	Nos	10910.00	Rupees Ten Thousand Nine Hundred Ten Only	Each	10910.00
19.00	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respects per entire satisfaction of file Engineer in charge i) Single pole, Cat-A, Make : L&T / Legrand / Siemens.	18	Nos	281.00	Rupees Two Hundred EightyOne Only	Each	5058.00
20.00	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respects per entire satisfaction of file Engineer in charge i) Double pole, Cat-A Make : L&T Legrand / Siemens.	2	Nos.	1320.00	Rupees One Thousand Three Hundred Twenty Only	Each	2640.00
21.00	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required complete in all respects per entire satisfaction of file Engineer in charge i) 63 Amp Cat-A Make : L&T LEgrand / Siemens.	2	Nos.	3931.00	Rupees Three Thousand Nine Hundred ThirtyOne Only	Each	7862.00
22.00	Supplying and fixing of following way single pole and neutral sheet steel MCB distribution board 240 volts, on surface / recess, complete with fitted copper bus-bar wire set, neutral wire, earth bar, din-bar, detachable gland pipe, blanking plate, cable identification labels, interconnections, phosphatized and powder painted, including earthing etc. as required complete in all respects per entire satisfaction of file Engineer in charge, Make : L&T LEgrand / Siemens.						

22.01	Double door-12 way	1	Nos.	2693.00	Rupees Two Thousand Six Hundred NinetyThree Only	Each	2693.00
22.02	Double door -16 way	1	Nos.	3461.00	Rupees Three Thousand Four Hundred SixtyOne Only	Each	3461.00
23.00	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No HRRF/LSPVC 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	125	Metre	215.00	Rupees Two Hundred Fifteen Only	Per Metre	26875.00
23.02	2x4 Sq mm	60	Metre	329.00	Rupees Three Hundred TwentyNine Only	Per Metre	19740.00
23.03	2x10 Sq mm	10	Metre	603.00	Rupees Six Hundred Three Only	Per Metre	6030.00
24.00	Wiring for power plug with 4x4 Sq mm PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 2 No 4 Sq mm HRRF/LSPVC insulated single core copper conductor cable for earthing as required complete in all respect. Make: PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	65	Metre	556.00	Rupees Five Hundred FiftySix Only	Per Metre	36140.00
25.00	Earthing with copper earth plate 600 mmx600 mmx 3 mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required complete in all respects per entire satisfaction of file Engineer in charge	2	Set	17086.00	Rupees Seventeen Thousand EightySix Only	Per Set	34172.00
26.00	Extra for using salt and charcoal for G.I. or copper plate earth electrode complete as required complete in all respects per entire satisfaction of file Engineer in charge	2	Set	2169.00	Rupees Two Thousand One Hundred SixtyNine Only	Per Set	4338.00
27.00	Supplying and laying 8 SWG copper wire at 0.50 mtr below ground level for earth electrode conductor including soldering etc. as required complete in all respect as per entire satisfaction of Engineer in - Charge	40	Metre	83.00	Rupees EightyThree Only	Per Metre	3320.00
	Total						354794.00

Draft Schedule of Quantity checked and approved for RS. 3,34,794/- only.

Executive Engineer
Electrical division
11/03/2023

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Job- 7	Estimated Cost - Rs 174043/- Only
	Earnest Money - Rs.3500/- Only
	Time - One Month

DRAFT SCHEDULE OF QUANTITY

NAME OF WORK - Replacement of Campus Lighting and Damaged Light fitting in the Residence of Deputy Commissioner at Keylong

S.No	Description	Qty	In Figure	In Words	Unit	Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit and earthing the light point with 1.5 Sq.mm HFR/LSPVC 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 .	11 Nos.	1294.00	Rupees One Thousand Two Hundred NinetyFour Only	Each	14234.00
2	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps. piano type switch, connections, painting etc. as required complete in all respect Make- ESS ESS KAY / COSMO/Anchor	4 Nos.	314.00	Rupees Three Hundred Fourteen Only	Each	1256.00
3	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 15/16 amps socket outlet and 15/16 amps. piano type switch, connections, painting etc. as required complete in all respect. Make- ESS ESS KAY / COSMO/Anchor	2 Nos.	489.00	Rupees Four Hundred EightyNine Only	Each	978.00
4	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/LSPVC insulated single core copper conductor cable of same size for earthing as required complete in all respect Cable Make PI AZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI .					
	2x1.5 Sq. mm.	70 Metre	215.00	Rupees Two Hundred Fifteen Only	Per Metre	15050.00
	2x4.0 Sq. mm	70 Metre	329.00	Rupees Three Hundred TwentyNine Only	Per Metre	23030.00
5	Providing and FIXING led SURFACE Mounted 24 Watt LED 5500K Square Round PANEL luminaire to enhance the delight of occupants with comfortable experience through its classic design and glare free illumination of Bajaj Make complete with connection Testing commissioning etc as required complete in all respect Make - Bajaj/Siska/Jaquar/Philips	3 Nos.	2367.00	Rupees Two Thousand Three Hundred SixtySeven Only	Each	7101.00
6	Providing and FIXING Slim LED panel 2Feetx2 Feet 40 Watt Surface Mounted luminaire to enhance the delight of occupants with comfortable experience through its classic design and glare free illumination of Bajaj Make complete with connection Testing commissioning etc as required complete in all respect Make : Bajaj/Siska/Jaquar/Philips	1 No	3900.00	Rupees Three Thousand Nine Hundred Only	Each	3900.00
7	S/F Down Light 12 Watt Surface LED Round Square light with aluminium housing complete with accessories connection testing commissioning etc as required complete in all respect Make : Bajaj/Siska/Jaquar/Philips	15 Nos.	1026.00	Rupees One Thousand TwentySix Only	Each	6150.00

8	Supplying and Fixing LED Street Light 25 Watt LED made up of pressure die cast aluminium housing with high power LED as lighting source and lens embedded PC Cover having TOP OPENING separate driver compartment with IP 66 protection and impact resistance of IK 07 luminaire complete with connection testing commissioning etc as required complete in all respect Make : Bajaj/Siska/Jaquar/Philips	1	No.	2389.00	Rupees Two Thousand Three Hundred EightyNine Only	Each	2389.00
9	Supplying and erection of 6 amps to 32 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc as required complete in all respect. Make : L&T / Legrand / ABB / SIEMENS.	13	Nos.	284.00	Rupees Two Hundred EightyFour Only	Each	3692.00
	Single pole Cat-A						
10	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc as required complete in all respect. Make : L&T / Legrand / ABB / SIEMENS.	1	No.	1324.00	Rupees One Thousand Three Hundred TwentyFour Only	Each	1324.00
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 complete in all respect. Make : L&T / Legrand / ABB / SIEMENS.	5	Nos.	1786.00	Rupees One Thousand Seven Hundred EightySix Only	Each	8930.00
	Double Door 4Way						
12	P/L Of one no Aluminium conductor PVC insulated and PVC sheathed armoured XLPE power cable working voltage 1100 volts grade on surface etc of required size complete in all respect PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI 5 Sqmm Twin	40	Metre	203.00	Rupees Two Hundred Three Only	Per Metre	8120.00
13	Supplying and eFixing 25 Watt LED post Top lantern made of dia cast aluminium base and spun aluminium round top complete with all accessories connection etc as required complete in all respect and to the entire satisfaction of engineer in charge Bajaj, Twinkle and ISI Make	13	Nos.	5991.00	Rupees Five Thousand Nine Hundred NinetyOne Only	Each	77883.00
	Total						174043.00

Draft schedule of Quantity checked and approved for R.S. 174043/- only.

Executive Engineer
Electrical Division,
HPPWD Mandi H P

Job-18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				</
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9.00	Supplying and fixing following rating double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required complete in all respect.	2	Nos	3935.00	Rupees Three Thousand Nine Hundred ThirtyFive Only	Each	7870.00
10.00	63 Amps (Category A) Makes: I&T,ABB,legrand Supplying and fixing of following way single pole and neutral sheet steel MCB distribution board 240 volts on surface / recess complete with thinned copper bus-bar wire-set neutral link, earth bar din-bar detachable gland plate blanking plate cable, identification labels interconnections phosphorized and powder painted including earthing etc. as required complete in all respect. Makes: I&T,ABB,legrand						
10.01	Double door-4 way	5	Nos	1786.00	Rupees One Thousand Seven Hundred EightySix Only	Each	8930.00
10.02	Double door-16 way	2	Nos	3478.00	Rupees Three Thousand Four Hundred SeventyEight Only	Each	6956.00
11.00	Earthing with G.I. earth pipe 4.5 mtr long and 40mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. 1 but without charcoal or coke and salt) complete as required complete in all respect	1	Nos	5197.00	Rupees Five Thousand One Hundred NinetySeven Only	Each	5197.00
12.00	Extra for using salt and charcoal for pure earth electrode complete as required complete in all respect	1	Nos	1687.00	Rupees One Thousand Six Hundred EightySeven Only	Each	1687.00
13.00	Supplying and laying 6 SWG G.I. wire at 0.50 mtr below ground level for earth electrode conductor, including soldering etc. as required complete in all respect	30	Metre	47.00	Rupees FortySeven Only	Per Metre	1410.00
14.00	Supplying & fixing 20 Watt LED High quality design PC batten with 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	6	Nos	631.00	Rupees Six Hundred ThirtyOne Only	Each	3786.00
15.00	Makes:- Jaquar/Glaze LED Batten PC) (Cat No. LGLZPCX020XC) JC&S/Crompton/bajaj or Equivalent. Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer in charge. Makes usha/bajaj/havells	6	Nos	2244.00	Rupees Two Thousand Two Hundred FortyFour Only	Each	13464.00
16.00	Exhaust Fan, Light duty (Domestic) 300 mm sweep Supplying and fixing Ding-Dong / Electronic musical bell suitable for D.C./A.C. single phase, 230 volts complete as required complete in all respects and to the best satisfaction of Engineer-in-charge	2	Nos	281.00	Rupees Two Hundred EightyOne Only	Each	562.00
17.00	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	30	Nos	567.00	Rupees Five Hundred SixtySeven Only	Each	17010.00
18.00	Makes:-goldmedal frozen (Cat no GL91417WW)JC&S/Crompton/bajaj or Equivalent make Supplying & fixing DOWN LIGHT 12W light with aluminium housing complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge	28	Nos	752.00	Rupees Seven Hundred FiftyTwo Only	Each	21056.00
19.00	Makes:-goldmedal frozen(Cat no GL91418WW)JC&S/Crompton/bajaj or Equivalent make. Supplying & fixing 10 Watt LED bulk head comprising of pressure die cast housing with acrylic diffuser (IP65 protection) complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge	8	Nos	540.00	Rupees Five Hundred Fourty Only	Each	4320.00
20.00	Makes:-goldmedal gateway mini (Cat No GL9C1101510WW)JC&S/Crompton/bajaj or Equivalent. Supplying & fixing wall bracket fitting single lamp, with plastic body holder (cap:B2/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	10	Nos	840.00	Rupees Eight Hundred Forty Only	Each	8400.00
21.00	Makes:- Havell's STYLO (Cat no.LHFOECE1T2100)4/C&S/Crompton/bajaj or Equivalent make. Providing installation, testing and commissioning of ceiling fan with regulator including wiring the down rope of standard length (up to 30 cm) with 16/0.20 mm twin core flexible. FPLS PVC corner cable including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required	6	Nos	2655.00	Rupees Two Thousand Six Hundred FiftyFive Only	Each	24940.00
22.00	Ceiling Fan 1200 mm sweep Providing and fixing modular 1 V Socket single outlet including connections as required complete in all respects	12	Nos	171.00	Rupees One Hundred SeventyOne Only	Each	2052.00
	Makes:-Anchor Roma (cat.no 21157) / SSK/ Havells / Equivalent make.						

23.00	Supplying and installing RG-6 coaxial tv cable complete as required complete in all respect makes - gold medal /anchor/plaza/ equivalent make	50	Metre	22.00	Rupees TwentyTwo Only	Per Metre	1100.00
24.00	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers including embedding of expansion-bolts in the wall providing and fixing of 2 No C.P. connection rods 18" long, making good the damages, electrical connections, testing and commissioning etc as required complete in all respects and to the best satisfaction of Engineer-in-charge Makes : usha / bajaj / Jaquar/ equivalent						
24.01	10 Liter capacity water heater (Cat-A)	2	Nos.	10917.00	Rupees Ten Thousand Nine Hundred Seventeen Only	Each	21834.00
24.02	25 Liter capacity water heater (Cat-A)	2	Nos.	13769.00	Rupees Thirteen Thousand Seven Hundred SixtyNine Only	Each	27538.00
25.00	Supplying & fixing 20 w LED flood light with die cast aluminium housing with lens 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:- goldmedal nexa(Cat no.GL 90867CD/C&S/Crompton/bajaj of Equivalent make.	2	Nos.	1227.00	Rupees One Thousand Two Hundred TwentySeven Only	Each	2454.00
	Total						457465.00

Deapt schedule of Quantity checked and approved for RS. 457465 / only.

Executive Engineer
Electrical Division
HPPWD, Mandi

D.N.I.T

Job- 9

Estimated Cost:- Rs. 4,94,207/-only
Earnest Money :- Rs. 9900/- only
Time :- Along with civil work

NAME OF WORK:- Providing and fixing yard light At campus of CIRCUIT HOUSE MANALI. (HP), DISTT. Kullu.(sh: providing yard light to A/A campus)

Sr. No.	Description	Qty	Rate	Rate in words	Unit	Amount
1	Supplying and erection of luxmax steel poles 114 made out of Galvanised Mild steel tubes having 114mm dia at bottom and 75mm dia at Top with cast iron Embellishments-Z4. The Poles primer coated and painted with Polyurethane paint, suitable for Single/Double/Tripel/Four Side Post Top/Drop Down Luminaires having a service window at the bottom comprising four way 25Amp connector terminal and a MCB. Poles has a mild steel base plate having four numbers mounting holes as per drawing and can be mounted with four numbers anchor bolts. The pole to be mounted on a 1:2:4 cement concrete base (pedestal) of 375 X 325 mm dia and of suitable depth, to be filled with 1:3:6 cement concrete up to a height of GROUND LEVEL from bottom and then fitted with M.S. bolts / nuts of 16/22 mm dia. complete in all respects as required:- (a) Overall length 4 meter, with planting bolt depth 675 mm/16 mm dia of bolts, outer dia of base sections 250X250 mm , bolt to bolt distance of 180 mm Makes:-twinkle (Cat No. Luxmax steel poles 114 with 24 embellishment)	5	26,847.00	Rs. Twenty six thousand eight hundred forty seven only	each	134235.00
2	Supplying and erection of 6 amps, 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:- Makes:- Anchor/L&T/ABB Single pole, Cat-A.	5	284.00	Rs. Two hundred eighty four only	each	1420.00
3	Supplying and fixing of Hanging Post Top Lantern With integrated E27 holder ,twinkle IRIS-CR Design, cast aluminium spigot, spun aluminium canopy, uv stabilized PC/PMMA diffuser, complete with all accessories , including making connections, testing etc. as required.					
4	Makes:-twinkle IRIS-CR HANGING (Cat No. Luxmax-PT-156H-CR) Providing and fixing SINGLE ARM ORNAMENTAL BRACKET for pole , complete in all respects and to the best satisfaction of Engineer-in-charge.	12	19,901.00	Rs. Nineteen thousand nine hundred one only	Each	238812.00
5	Makes:-twinkle (Cat No. Luxmax-BKT-3133-500(SINGLE)) Providing and fixing SINGLE ARM ORNAMENTAL BRACKET for wall mounting , complete in all respects, and to the best satisfaction of Engineer-in-charge.	1	10,063.00	Rs. Ten thousand sixty three only	each	10063.00
6	Makes:-twinkle (Cat No.LuxMax-BKT-210) Providing and fixing DOUBLE ARM ORNAMENTAL BRACKET for pole , complete in all respects and to the best satisfaction of Engineer-in-charge	3	10,063.00	Rs. Ten thousand sixty three only	each	30189.00
7	Makes:-twinkle (Cat No. Luxmax-BKT-3133-500(DOUBLE)) Providing and fixing LED BULB 50 W 822 / E27/E14 base cap connections, etc. as required complete in all respects.	4	16,521.00	Rs. Sixteen thousand five hundred twenty	each	66084.00
	Makes:-goldmedal (cat.no GL9C0001150CD Lamp) / JAQUAR/ BAJAJ / Equivalent make.	12	1,117.00	Rs. One thousand one hundred seventeen only	each	13404.00
					Total	494207.00

Draft & Schedule of quality checked & approved
for Rs. 4,94,207/-

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

Job- 11					Estimated Cost:- Rs. 487380/-only
					Earnest Money :- Rs. 16800/-only
					Time :- Along with Civil work

Name Of Work:- C/O Warehouse for storge of EVM,s and VPAT,s at Dhalpur Distt. Kullu HP (SH: Providing Yard Lighting therein.)

Abstract of cost					
Sr.No	Description	Qty	Rate	Unit	Amount
1	Supplying & fixing 40 W LED Post Top made of die cast aluminium base and spun aluminium round top. 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 Panasonic /twinkle/Jaquar	30	16246	Rs. Sixteen Thousand two hundred forty six only	Each
	Total				487380

Draft & Schedule of Quantity checked for approved for Rs. 4,87,280/-

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

Job- 12						Estimated Cost :- Rs.227063. / Only	
						Earnest Money :- Rs.4550 /- Only	
						Time :- One Month.	
DRAFT SCHEDULE OF QUANTITY							
NAME OF WORK :- Installation, Testing and commissioning of 20 KVA DG Set at Tehsil Office Sainj Distt. Kullu. (HP)							
S.No.	Description	Qty.	In Figure	Rate	In Words	Unit	Amount
1.00	Supplying, installation, testing and commissioning CPCB II 20 KVA Silent DG Set comprising of M&M make Engine Model 3285 GM C2 28 BHP&NTI?, 1500 RPM, Coupled to 20 kva make one phase 230 volts, 50 Hz Alternator mounted on a common base frame along with other accessories i.e fuel Tank, MCP Control Panel, Battery with leads and acoustic enclosure complete as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make:- Mahindra /Sudhir.	1	No	156819.00	Rupees One Lakh Fifty Six Thousand Eight Hundred Nineteen Only	Each	156819.00
2.00	Earthing with copper earth plate 600 mmx600 mmx 3 mm thick, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make:-Copper (Pure).	1	Set	17096.00	Rupees Seventeen Thousand Ninety Six Only	Per Set	17096.00
3.00	Extra for using salt and charcoal for copper plate earth electrode complete as required complete in all respect as per entire satisfaction of Engineer- in- Charge.	1	Set	2169.00	Rupees Two Thousand One Hundred Sixty Nine Only	Per Set	2169.00
4.00	Supplying and fixing copper tape 20mmx3mm thick on parapet or surface of wall for lightning conductor, as required complete in all respect. (for horizontal run) complete as required complete in all respect as per entire satisfaction of Engineer- in- Charge	30	Metre	846.00	Rupees Eight Hundred Forty Six Only	Per Metre	25380.00
5.00	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 complete as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make :- Grandlay, KEI, Finolex.	40	Metre	310.00	Rupees Three Hundred Ten Only	Per Metre	12400.00
6.00	Armoured cable 10 sq. mm (twin core) 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.	10	Metre	130.00	Rupees One Hundred Thirty Only	Per Metre	1300.00
7.00	25 mm. dia 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 / recess. ed, Steel/PVC conduit as required complete as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make :- Grandlay, KEI, Finolex.	10	Metre	519.00	Rupees Five Hundred Nineteen Only	Per Metre	5190.00

8.00	3x10 Sq.mm. Providing and fixing following rating, four pole, 415 volts, On-Load change over switch unit, panel mounting, front handle operation, including drilling holes in the cubical, making connections, etc. as required complete as required complete in all respect as per entire satisfaction of Engineer- In- Charge. Make L&T, ABB, C&S	1	No	6709.00	Rupees Six Thousand Seven Hundred Nine Only	Each	6709.00
	100A						
	Total						227063.00

*Draft & Schedule of Quantity checked & approved
for Rs. 2,27,063/-*

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

Job- 13					Estimated Cost :- Rs. 137542/ Only	
					Earnest Money :- Rs.2800 /- Only	
					Time :- One Month.	
DRAFT SCHEDULE OF QUANTITY						
NAME OF WORK :- Providing Main Panel and Geyser in Rest house at Udaipur District L & S (HP).						
S.No.	Description	Qty.	In Figure	Rate	Unit	Amount
				In Words		
1.00	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed 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. PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI Cable make.	1	1294.00	Rupees One Thousand Two Hundred NinetyFour Only	Each	1294.00
2.00	Wiring for circuit / sub-main with 4x10 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 2 No.10 Sq.mm. (4x10+2x10) HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respect. PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI Cable make.	7	1115.00	Rupees One Thousand One Hundred Fifteen Only	Per Metre	7805.00
3.00	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Legrand (Myriu) / L&T (Entice) /SSK / ABB (Similar Class).					
3.01	S.P. 5/ 6 Amps one way Modular switch.	10	163.00	Rupees One Hundred SixtyThree Only	Each	1630.00
3.02	S.P. 15/ 16 Amps one way Modular switch.	11	328.00	Rupees Three Hundred TwentyEight Only	Each	3608.00
3.03	5 pin, 5/ 6 Amps Modular socket outlet.	6	256.00	Rupees Two Hundred FiftySix Only	Each	1536.00
3.04	6 pin, 15/16 Amps Modular socket outlet.	7	439.00	Rupees Four Hundred ThirtyNine Only	Each	3073.00
4.00	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 2 No C.P. connection rods 18" long, making good the damages, electrical connections,testing and commissioning etc. as required. Make:-Bajaj/Usha/Jaquar.	3	13721.00	Rupees Thirteen Thousand Seven Hundred TwentyOne Only	Each	41163.00
5.00	25 Liter capacity water heater (Cat-A)					
	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required. Make : Usha / Bajaj / Anchor Panasonic.	2	2244.00	Rupees Two Thousand Two Hundred FortyFour Only	Each	4488.00
	Exhaust Fan, Light duty, (Domestic) 300 mm sweep					

6.00	Supplying and erection of street light bracket made of G.I. pipe 'A' class of suitable length and dia, the pipe bended to give an angle of 100 to 110 degree fitted with bolt & nuts at the top of existing pole or wall including painting the pipe with two coats of approved paint over priming coat complete in all respects as required complete in all respect as per entire satisfaction of Engineer-in-Charge. i) 32 mm Dia	1	No.	727.00	Rupees Seven Hundred TwentySeven Only	Each	727.00
7.00	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. Make :- Wipro, Jaquar, Bajaj, Philips etc.	1	No.	2389.00	Rupees Two Thousand Three Hundred EightyNine Only	Each	2389.00
8.00	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:- 1200mm x 800mmx300mm deep (nominal) including, MCCB 200amps = 1No., Bus Bar 200 Amp. = 0.5 Mtr. MCB 6/16 amps = 3 Nos., Ammeter, Voltmeter, Selector Switch, Indicating Lamp, CT Coil and internal control wiring etc. as required complete in all respect as per entire satisfaction of Engineer-in-Charge. Make : L&T / Schneider / ABB / Legrand.	1	Job	58939.00	Rupees FiftyEight Thousand Nine Hundred ThirtyNine Only	Per Job	58939.00
9.00	Supplying and Fixing Lamp 9 Watts Emergency bulb in the existing holder as required complete in all respect.	15	Nos	726.00	Rupees Seven Hundred TwentySix Only	Each	10890.00
	Total						137542.00

Draft schedule of quantity checked and approved for Rs. 1,37,542/- only.

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

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						Estimated Cost:- Rs. 462280/- only.	
						Earnest Money:- Rs. 9246/- only.	
						Time :- Two Months	
Draft Schedule of quantity							
NAME OF WORK: R/M of E.I. accessories in various Govt. N/R buildings SLBSGMC&H Nerchowk Distt Mandi HP (Sh:- Supplying and installation of batteries for emergency rescue device & Uninterrupted power supply)							
S.N	Description	Qty.	Rate in figure.	Rate in words Rupees	Unit	Amount	
1	Supplying and installation of Exide batteries 12 volts 7 AH for lifts ERD system including connection, testing and commissioning etc. as required complete in all respect.	70	each	1232	Rupees One thousand two hundred thirty two only	each	86240
2	Supplying and installation of Exide batteries 12 volts 12 AH for lifts ERD system including connection, testing and commissioning etc. as required complete in all respect.	60	each	2334	Rupees two thousand three hundred thirty four only	each	140040
2	Supplying and installation of Exide batteries 12 volts 42 AH for lifts ERD system including connection, testing and commissioning etc. as required complete in all respect.	32	each	7375	Rupees seven thousand three hundred seventy five only	each	236000
	Total						462280

Draft schedule of quantity checked and approved for Rs. 4,62,280/- only.

Executive Engineer,
Electrical Division Mandi,
HPPWD Mandi HP

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				Estimated Cost:- Rs. 378240/-only.	
				Earnest Money:- Rs. 7565/-only.	
				Time :- Two Months	
Draft Schedule of quantity					
NAME OF WORK: R/M of E.I. accessories in various Govt. N/R buildings SLBSGMC&H Nerchowk Distt Mandi HP (Sh:- Supplying and installation of batteries for Uninterrupted power supply for Dynamic Generator 3 number)					
S.N.	Description	Qty.	Rate in figure.	Rate in words Rupees	Unit Amount
1	Supplying and fixing of Exide batteries 180Ah for battery bank in generator including connection, testing and commissioning etc. as required complete in all respect. Make : Exide Industries Limited complete in all respect to best satisfaction of Engineer in charge.	12 each	31520	Rupees thirty one thousand five hundred twenty only	each 378240
Total					378240

Draft Schedule of quantity checked and approved for Rs. 378,240/-only.

Executive Engineer,
Electrical Division Mandi,
HPPWD Mandi HP

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							Estimated cost:- Rs.196184/- only
							Earnest money- Rs.4000/- only
							Time:- Two Months
Draft Schedule of Quantity							
Name of Work - C/O Deputy Director Treasury Office Cum Residence at Khaliyar Distt. Mandi (HP) SH-Providing AC's therein)							
S. No.	Description	Qty	Rate		Unit	Amount	
			In Figure	In Words			
1.00	Supplying and fixing of 5 star 1.5 tone capacity split type Inverter Hot and Cold AC including copper pipe, drain pipe and stand for out door AC unit complete with installation connection etc. as required complete in all respect Make:- Voltas,Lyvod,LG	2	Nos	98092.00	Each	196184.00	
	TOTAL				TOTAL	196184.00	

Draft schedule of quantities
checked and approved for
P.S. 196 (8.4) - only

Executive Engineer,
Electrical Division,
HPPWD Mandi (HP)

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					Estimated Cost:- Rs. 452730/-only.	
					Earnest Money:- Rs. 9060/-only.	
					Time :- Two Months	
Draft Schedule of quantity						
Name of work:- Replacement of Existing Fire fighting system damaged Landing valve, Butterfly valve, Hose Reel Nozzle, Hose pipe coupling and Hose Cabinet L. B. M. Collage Nerchowk (Sh :- Providing gun metal, fire hose cabinet and coupling for gun metal male and female theretin)						
S.N.	Description	Qty.	Rate in figure.	Rate in words Rupees	Unit	Amount
1	Supply, installation, testing & commissioning of : Gun metal ISI marked odlique pattern hydrant landing valve with 80 mm dia flanged inlet and 63 mm dia instantaneous type female outlet complete with gunmetal cap and G.I. chain, twist release type plug and all accessories as per IS: 5290-1983 (Type 'A') Make. CEASEFIRE , MINIMAX , NEWAGE.	15	No. 12228	Rupees twelve thousand two hundred twenty eight only	No.	183420
2	Providing & fixing fibre glass reinforced Fire Hose Cabinet (30"x24"x10") out door type, made out of sheet having glazed door with 6mm thick clear Glass including necessary Locking arrangement with allen Key, powder coating with Post Office Red Paint and for Hoseing 2 Nos. RRL Hose Pipe, 1 No Branch pipe including grounding and suitable inscripting the words " Hose Cabinet" on the Box complete as required. Make CEASEFIRE , MINIMAX , NEWAGE.	21	No. 7110	Rupees seven thousand one hundred ten only	No.	149310
3	Providing, fixing of 63 mm dia as per IS : 636, Type A with Gunmetal male & female instantaneous type coupling (IS 903). Make. CEASEFIRE , MINIMAX , NEWAGE	30	RM 4000	Rupees four thousand only	RM	120000
	Total					452730

Draft schedule of quantity checked and approved for Rs. 4,52,730/-only.

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

						Estimated Cost:- Rs. 330400/-only.
						Earnest Money:- Rs. 6610/-only.
						Time :- 1 month
Schedule of Quantity						
NAME OF WORK: Providing & supplying Service for 4 number chiller plants of HVAC system existing in SLBSCMC&H Mandi at Nerchowk Distt. Mandi HP for summer 2023						
S.N.	Description	Qty.	Rate in figure.	Rate in words Rupees	Unit	Amount
1	Descaling of Condenser / chiller only chemical circulation unit Roding chemical circulation leak testing and end cover opening of both end and box up after flushing with fresh water after Roding and brushing of all copper tube.					
	Health check-up of chiller and testing of machine in part load full load checking up of all parameter up to standard mark compressor testing surging of Compressor chiller superheat testing both discharge as well as suction winding temp setting and upload of chiller parameters testing of all circuit control wiring / VFD Preventive maintenance, Routine service of chillers health check-ups guide vane calibration cleaning of machine arc for contactor cleaning and setting up of parameter for healthy operation.	1	330400	Rupees three lac thirty thousand four hundred only	job for 4 chiller	330400
Total :-						330400

Draft schedule of quantity checked and approved for Rs. 330,400/-only.

Executive Engineer,
Electrical Division Mandi,
HPPWD Mandi HP

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							Estimated Cost:- Rs. 482630/-only.	
							Earnest Money:- Rs. 9653/-only.	
							Time :- One year	
Draft Schedule of Quantity								
NAME OF WORK: Replacement of compressing oil filters & R134 gas filter build inner 700tr capacity chiller machine existing at SLBSGMC&II Nerchowk Distt Mandi HP								
S N	Description	Qty	Rate in figure.	Rate in words Rupees	Unit	Amount		
1	Providing and installation of oil filter for chiller machine in compliance with HSN code :- 8421 complete in all respect as per best satisfaction of Engineer In Charge.	3	each	109338 Rupees One lac nine thousand three hundred thirty eight only	each	328014		
2	Providing and installation of Refrigerant Filter complete in all respect as per best satisfaction of Engineer in Charge.	3	each	18703 Rupees eighteen thousand seven hundred three only	each	56109		
3	Providing and installation of Refrigerant filter Drier (Motor cooling line filter) complete in all respect as per best satisfaction of Engineer In Charge.	3	each	16768 Rupees sixteen thousand seven hundred sixty eight only	each	50304		
4	Labour charge include Installation of Above parts, Compressor Oil filling, Oil Filter replacement .HSN Code:- 9987	1	each	48203 Rupees fourty eight thousand two hundred three only	each	48203		
	Total :-					482630		

Draft Schedule of quantity checked and approved for Rs. 4,82,630/-only.

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

22		Draft Schedule of Quantity		Estimated cost:- Rs. 493659/- only	
		Name of Work:- Deputy Director Treasury Office Cum Residence at Khaliyar Distt. Mandi (HP), SH:- (Balance Work of Fire Fighting system therein)		Earnest money:- Rs. 9900/- only	
		Description		Time - Along with civil work	
S.No.	Qty	In Figure	In Words	Unit	Amount
1.00					
Providing, laying, jointing and testing in following sizes of MS Class 'C' (heavy class) pipes Conforming to IS: 1239/3589 with accessories like fittings including tees, elbows, reducers, flanges gaskets, G.I. nuts, bolts complete with all accessories as required complete in all respect. Make Jindal Hissar, TATA					
1.01	25 mm	24 Metre	Rupees Seven Hundred One Only	Per Metre	16824.00
1.02	50 mm	15 Metre	Rupees One Thousand Hundred SeventyNine Only	Per Metre	19185.00
1.03	80 mm	10 Metre	Rupees One Thousand Eight Hundred NinetyFive Only	Per Metre	18950.00
1.04	100 mm	45 Metre	Rupees Two Thousand Six Hundred SixtyNine Only	Per Metre	120105.00
1.05	150 mm	18 Metre	Rupees Three Thousand Eight Hundred SixtySeven Only	Per Metre	69606.00
2.00		1 No	Rupees Eighteen Thousand Six Hundred FortyNine Only	Each	18649.00
Providing and fixing Cast Cast Iron/steel double flanged horizontal type Foot valve conforming to class - I (SI) including nuts, bolts, 15 mm thick compressed asbestos gasket as per table "E" and specifications complete in all respect. Make. Zoloto, Sant, L.P.					
3.00					
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.					
3.01	Armoured cable 70 sq. mm (3.5 core)	35 Metre	832.00	Per Metre	29120.00
3.02	Armoured cable 25 sq. mm (3.5 core)	45 Metre	393.00	Per Metre	17685.00
4.00		1 No	Rupees One Lakh Twenty Thousand Five Hundred TwentyThree Only	Each	120523.00
Terrace Pumpset Kirloskar Make pump in back pull out design (end suction type) having 65 mm suction 40 mm delivery CI casing, bronze impeller and CS shaft with gland packing arrangement coupled on common baseplate to kirloskar/ABB/CEL or equivalent (at our option) make 5.5KW/7.5HP, 2900 RPM TEFC sq. cage induction motor suitable for 3 phase, 415V, 50Hz Ac Supply confirming to through suitable flexible coupling. Total Head 35m, 450LPM, including carriage of materials, labour, tool and plant through all modes of transportation within all leads and lifts and as per direction of Engineer-in-Charge.					

5.00	SITC of Cubical type panel fabricated from 2mm thick CRCA sheet wall mounted type made 1.8SWG IP 42 compartmentalised with hinged locable doors, dust and vermin proof powder coated of approved shade after 7 tank treatment process cable alley inter connection, incoming 32 amp TP MCB with voltmeter Ampere Meter inbuilt 72 mm meter outgoing 7.5 Hp DOL Starter and auto/Manual switch with RY/B Three phase indication pump running status indication push button start and stop etc. and internal wiring, earth terminal numbering, suitable 4 wire 415V ac 50 Hz 7.5HP 5.5 KW DOL Starter control wire FR copper conductor etc complete in all respect	1	No.	42822.00	Rupees Forty Two Thousand Eight Hundred Twenty Two Only	Each	42822.00
6.00	Providing Cast iron /steel Butterfly Valve Confirming to type P N 1.6 of I.S 13095-1991 Complete with Flanges bolt nuts gasket etc. As per table 'E' specification complete in all respect hydraulically test to 20 K./sqcm. Make, Padmini, FEG, Atasree.						
6.01	80 mm Dia	3	No.	6730.00	Rupees Six Thousand Seven Hundred Thirty Only	Each	20190.00
	TOTAL						493659.00

Draft Schedule of quantity checked and approved for Rs. 4,93,659/- only.

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