

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 Sr No. 1 to 11 from approved and eligible contractors enlisted in appropriate class in HPPWD (Electrical) department having valid Electrical license, and for works at Sr No. 12 and 13 from approved OEM or authorized agency of OEM as per BOQ having similar work experience, so as to reach in his office on or before 22.07.2024 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 22.07.2024 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:- C/o Combined Office Building at Karsog District Mandi H.P (SH: Providing Yard Lighting therein) Estimated Cost: Rs. 470566/-only, Earnest money: Rs. 9400/- only, Time allowed: - Along with Civil Work

Work No. 2:- C/o Veterinary Dispensary Building at Padhiun District Mandi HP (SH: Providing E.I therein) Estimated Cost: Rs. 134291/-only, Earnest money: Rs. 2700/- only, Time allowed: - Along with civil work

Work No. 3:- Providing fancy Bed Lights, Chandelier, Up-down light and Key lock in PWD Rest House at Janjehli District Mandi H.P Estimated Cost: Rs. 237337/-only, Earnest money: Rs. 4750/- only, Time allowed: - One Month

Work No. 4:- Providing 3 liter capacity Water Heater in Type II and Type III quarter at HPPWD Residential Colony Bassa Gohar District Mandi H.P Estimated Cost: Rs. 119940/-only, Earnest money: Rs. 2400/- only, Time allowed: - One Month

Work No. 5:- C/o Type IV Quarter 2 Nos. of Administrative Department at Keylong, District L&S H.P (SH: Providing E.I therein) Estimated Cost: Rs. 378874/-only, Earnest money: Rs. 7580/- only, Time allowed: - Along with Civil Work

Work No. 6:- C/o JE Office-cum-Residence Building at Smaila Tehsil Sarkaghat District Mandy H.P (SH: Providing E.I therein) Estimated Cost: Rs. 199453/-only, Earnest money: Rs. 4000/- only, Time allowed: - Along with Civil Work

Work No. 7:- Providing E.I in Renovated Health Sub Centre Kunchala Tehsil Sarkaghat District Mandi H.P Estimated Cost: Rs. 128583/-only, Earnest money: Rs. 2600/- only, Time allowed: - Along with Civil Work.

Work No. 8:- Providing and Laying SOP Cable for the Civil Hospital Building at Manali District Kullu HP (SH: Providing 95 sq mm Cable therein) Estimated Cost: Rs. 117800/-only, Earnest money: Rs. 2400/- only, Time allowed: - Along with Civil Work.

Work No. 9:- Providing damaged accessories and repair / maintenance in Tribal Bhawan at Bhuntar, District Kullu HP Estimated Cost Rs. 451018/- only, Earnest money Rs. 9000/- only, Time allowed: One Month

Work No. 10:- Repair and Maintenance of Type IV Residence of Planning Officer at Sarwari District Kullu HP Estimated Cost Rs. 171995/- only, Earnest money Rs. 3450/- only, Time allowed: Along with civil work

Work No. 11:- SITC of Air Conditioner in HPPWD Division Building Dharmpur District Mandi HP (Newly shifted HPPWD Circle office Dharmpur) Estimated Cost Rs. 482755/- only, Earnest money Rs. 9665/- only, Time allowed: One Month

PTO

Work No. 12:- SITC of CCTV Surveillance System for Indoor Badminton Stadium Kullu District Kullu H.P Estimated Cost: Rs. 277500/-only, Earnest money: Rs. 5550/- only, Time allowed: - One Month

Work No. 13:- Providing LAN Connectivity and necessary items in newly shifted Court No. 1 and 2 in Combined Office Building 1st floor and 3rd floor at Sarkaghat District Mandi HP Estimated Cost: Rs. 499710/-only, Earnest money: Rs. 9994/- only, Time allowed: - Two Months

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. In case of discrepancy in the rates quoted by the contractor in words and figures, the rates quoted in words shall be taken as correct and not the rates quoted in figures
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 and 10.05.2023 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/2024-2025--- 1231-47

Dated: 28-07-2024

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@nic.in a/w copies of Schedule of Quantities for uploading the same on HPPWD web portal please.**
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.)

Job							Estimated cost Rs.470566/-only.	
							Earnest Money Rs.9400/-only.	
							Time :- Along with civil work.	
Draft Schedule Of Quantity								
Name of work:-C/O Combined Office building at Karsog Distt Mandi (SH-Prov.. Yard Light there in.)								
Sr. No	Description	Qty.	In figure	Rate In words		Units	Amount	
1	P/E LED Post Top Lentrans with integrated E27 holder Twinkle LED POST TOP GENIUS Large conical Cast Aluminium spigot spun aluminium Canopy uv stabilized PC/PMMA diffuser complete with all accessories including making connection testing etc as required LuxMax-PT-153 25 watt	28	8455.00	Rupees Eight Thousand Four Hundred FiftyFive Only		Each	236740.00	
2	P/E LED Post Top Lentrans with integrated E27 holder Twinkle LED POST TOP LUXOR-Y Cast Aluminium spigot spun aluminium Canopy uv stabilized PC/PMMA diffuser complete with all accessories including making connection testing etc as required LuxMax-PT-151-Y 24 watt	4	16536.00	Rupees Sixteen Thousand Five Hundred ThirtySix Only		Each	66144.00	
3	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required. i) 2x1.5 sq. mm. cable as required complete in all respect as per entire satisfaction of engineer in charge. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	196	70.00	Rupees Seventy Only		Per Metre	13720.00	
4	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. cable as required complete in all respect as per entire satisfaction of engineer in charge Make : L&T / Legrand / Siemens.	32	281.00	Rupees Two Hundred EightyOne Only		Each	8992.00	
5	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. cable as required complete in all respect as per entire satisfaction of engineer in charge. Make : L&T / Legrand / SIEMENS.	2	1320.00	Rupees One Thousand Three Hundred Twenty Only		Each	2640.00	
i	Double pole. Cat-A.							
6	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Cat-A Make : L&T / Legrand / ABB / SIEMENS.	32	400.00	Rupees Four Hundred Only		Each	12800.00	
i	4 Way D/D							

7	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. cable as required complete in all respect as per entire satisfaction of engineer in charge. Make : CCI/ Universal/ Finolex / Polycab / Rallison / Grandlay / KEI.	420	Metre	279.00	Rupees Two Hundred SeventyNine Only	Per Metre	117180.00
i	Armoured cable 6 sq. mm (twin core)						
8	Supplying and laying 40mm dia GI pipe heavy Class 1 Mtr. Deep in ground as required complete in all respect.	15	Metre	450.00	Rupees Four Hundred Fifty Only	Per Metre	6750.00
9	Supplying and fixing 2" dia 12" long G.I. nipple with welding for fixing in concrete as required complete in all respect.	32	Nos	175.00	Rupees One Hundred SeventyFive Only	Each	5600.00
	Total						470566.00

Draft schedule of Quantity checked and approved for RS. 470,566/- only.

Executive Engineer,
Electrical Division,
HPPWD Mandi.

Job- 2					Estimated Cost:- Rs.134291/-only.	
					Earnest Money :- Rs.2700/-only.	
					Time :- Along with civil work.	
Draft SCHEDULE OF QUANTITY						
Name Of Work :- C/o Veterinary Dispansary Building at Pedhiun Distt.Mandi H.P (SH):- Providing E.I. therein)Prov . E.I. there in)						
Sr. No	Description	Qty.	In figure	In words	Units	Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit with modular switch, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect as per entire satisfaction of Engineer- in- Charge i) Group C .MAKE:- FINOLEX/ PLAZA/RR/UNITECH/BENTION/KEI	20 Nos.	1294.00	Rupees One Thousand Two Hundred NinetyFour Only	Each	25880.00
i)	2x 1.5 sq mm	45 Metre	215.00	Rupees Two Hundred Fifteen Only	Per Metre	9675.00
ii)	2x 4sq mm	28 Metre	329.00	Rupees Three Hundred TwentyNine Only	Per Metre	9212.00
iii)	2x 6sq mm	3 Metre	454.00	Rupees Four Hundred FiftyFour Only	Per Metre	1362.00
3	Wiring for circuit / sub-main with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 2 No.4 Sq.mm. (4X4+2X4)HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respect as per entire satisfaction of Engineer- in- Charge .MAKE:- FINOLEX/ PLAZA/RR/UNITECH/BENTION/KEI	30 Metre	556.00	Rupees Five Hundred FiftySix Only	Per Metre	16680.00
4	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/ PVC conduit as required complete in all respect as per entire satisfaction of Engineer- in- Charge MAKE:- FINOLEX/ PLAZA /RR /UNITECH/ BENTION/KE					
i)	3x1.5 Sq mm.	24 Metre	98.00	Rupees NinetyEight Only	Per Metre	2352.00
5	Supplying and fixing following rating P/T switch /socket on the existing switch box / cover including connections etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge .					
	Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB					
i)	S.P. 5/6 Amp. One way switch piano type	2 Nos.	41.00	Rupees FortyOne Only	Each	82.00
ii)	6 PIN . 5/6 Amp. Socket outlet pocellen base piano type	2 Nos.	60.00	Rupees Sixty Only	Each	120.00
6	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 6 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge MAKE :-LEGRAND / (MYRIU)/ L&T (ENTICE)/ ANCHOR/ SSK / ABB	6 Nos.	314.00	Rupees Three Hundred Fourteen Only	Each	1884.00

7	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 6 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc.as required complete in all respect as per entire satisfaction of Engineer- in- Charge MAKE :-LEGRAND /MYRIU/L&T(ENTIC)/ANCHOR/SSK/ABB	6	Nos.	489.00	Rupees Four Hundred EightyNine Only	Each	2934.00
8	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 respect as per entire satisfaction of Engineer- in- Charge -Make:- BAJAJ/ USHA /RECOLD/ cromption/ greaaves	2	Nos.	10917.00	Rupees Ten Thousand Nine Hundred Seventeen Only	Each	21834.00
i)	10 Liter capacity water heater (Cat-A)						
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 as per entire satisfaction of Engineer- in- Charge MAKE :- LEGRAND / L&T/C&S/GE	8	Nos.	284.00	Rupees Two Hundred EightyFour Only	Each	2272.00
i)	Single pole.(Category-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 as per entire satisfaction of Engineer- in- Charge MAKE :- LEGRAND / L&T/C&S/GE	1	Nos.	1324.00	Rupees One Thousand Three Hundred TwentyFour Only	Each	1324.00
i)	Double pole.(Category-A)						
11	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with timed copper bus- bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge MAKE :- LEGRAND / L&T/C&S/GE	1	Nos.	2711.00	Rupees Two Thousand Seven Hundred Eleven Only	Each	2711.00
i)	Double door-12 way						
12	Earthing with G.I earth pipe 4.5 mtr. long and 40mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) completeas required complete in all respect as per entire satisfaction of Engineer- in- Charge	1	Nos.	5237.00	Rupees Five Thousand Two Hundred ThirtySeven Only	Each	5237.00
13	Extra for using salt and charcoal for pipe earth electrode complete as required.	1	Nos.	1493.00	Rupees One Thousand Four Hundred NinetyThree Only	Each	1493.00
14	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	25	Metre	167.00	Rupees One Hundred SixtySeven Only	Per Metre	4175.00
15	Providing, Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge MAKE :- USHA/BAJAJ/ CROMPTON	3	Nos.	2590.00	Rupees Two Thousand Five Hundred Ninety Only	Each	7770.00
i)	Ceiling Fan 1200 mm sweep, Category-A						

16	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required complete in all respect as per entire satisfaction of Engineer-in-Charge MAKE :- USHA/BAJAJ/ CROMPTON	3	Nos.	2244.00	Rupees Two Thousand Two Hundred FortyFour Only	Each	6732.00
i)	Exhaust Fan, Light duty, (Domestic) 300 mm sweep						
17	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 as per entire satisfaction of Engineer-in-Charge MAKE :- SSK/IMK/CONA	2	Nos.	281.00	Rupees Two Hundred EightyOne Only	Each	562.00
18	Supplying and fixing bakelite batten/angle holder including connections etc. as required complete in all respect as per entire satisfaction of Engineer-in-Charge Make :-Anchor/ Cona/ ESS KAY	4	Nos.	88.00	Rupees EightyEight Only	Each	352.00
19	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. Make Twinkle / Great White/Syska / Opulus / Bajaj / Great White / Phillips etc.	6	Nos.	500.00	Rupees Five Hundred Only	Each	3000.00
20	Supplying & fixing LED P 25 watt street light made up of pressure die cast aluminium housing with acrylic cover as diffuser with IP 66 Protection and impact resistance complete in all respect and to the best satisfaction of Engineer-in-charge. Make :-Bajaj/ Twinkle / Great white / SYSKA/ May Fair Philips etc.	2	Nos.	2756.00	Rupees Two Thousand Seven Hundred FiftySix Only	Each	5512.00
21	S/E of street light bracket made of GI pipe A class of suitable length dn dia, the pipe bended to give an angle of 100 to 110 degree fitted with bolts & nuts at top of existing pole or wall including painting the pipe with two coats of approved priming coat in all respects as required complete in all respect as per entire satisfaction of Engineer-in-Charge.	2	Nos.	568.00	Rupees Five Hundred SixtyEight Only	Each	1136.00
	32 mm GI Pipe heavy class						
	Total						134291.00

*Draft schedule of quantity checked and approved
for Rs. 1,34,291/- only.*

Executive Engineer,
Electrical Division,
HPPWD Mandi (HP)

Job-3							Estimated Cost:- Rs.237337 /-only.
							Earnest Money :- Rs.4750/-only.
							Time :- One Month.
Draft SCHEDULE OF QUANTITY							
Name of work:- Prov. Fancy Bed Lights,Chandilliar, Up down light and key lock in PWD Rest house at Janjehli Distt Mandi							
Sr. No	Description	Qty.		In figure	Rate In words	Units	Amount
1	Supplying & fixing outdoor led updown light with aluminium housing, glass diffuser,rubber gasket complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max ,Havells .	3	Nos	2192.00	Rupees Two Thousand One Hundred NinetyTwo Only	Each	6576.00
2	Supplying & fixing Bed Side Light WH 3 K LED Warm White Standard Philips make superior illumination aluminium optimum performance with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make:- Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max ,Havells .	16	Nos	1902.00	Rupees One Thousand Nine Hundred Two Only	Each	30432.00
3	Supplying & fixing Hint Bed Side Light WH 3 K LED Double side light Philips make superior illumination classic anthracite finish premium aluminium optimum performance with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make:- Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max ,Havells .	4	Nos	6322.00	Rupees Six Thousand Three Hundred TwentyTwo Only	Each	25288.00
4	Supplying & fixing DND MMR Out side room unit 2M Cat No CB91602HW10 White , complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max ,Havells .	10	Nos	873.00	Rupees Eight Hundred SeventyThree Only	Each	8730.00
5	Supplying & fixing Chandilliar Clama CG 6003 6X40 Watt or 6X2W Led lamp base -G9 Tisva make , complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make:- Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max ,Havells .	2	Nos	48229.00	Rupees FortyEight Thousand Two Hundred TwentyNine Only	Each	96458.00
6	Supplying & fixing Chandilliar Clama CG 5004 5X40 Watt or 5X2W Led lamp base -G9 Tisva make , complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make:- Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max ,Havells .	1	Nos	32131.00	Rupees ThirtyTwo Thousand One Hundred ThirtyOne Only	Each	32131.00
7	Supplying & fixing Chandilliar Clama CG 5003 5X40 Watt or 5X2W Led lamp base -G9 Tisva make , complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make:- Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max ,Havells .	1	Nos	25742.00	Rupees TwentyFive Thousand Seven Hundred FortyTwo Only	Each	25742.00

8	Wiring for circuit / sub-main with 4x25 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. 16 Sq.mm. (4x25+2x6) HRFRLS/PVC insulated single core copper conductor cable for earthing as required. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	5	Metre	2396.00	Rupees Two Thousand Three Hundred NinetySix Only	Per Metre	11980.00
	Total						237337.00

Draft schedule of quantity checked and approved for Rs. 2,37,337/- only.

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

[Signature]

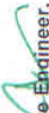
Job- 4				Estimated Cost:- Rs.119940 /-only.
				Earnest Money :- Rs.2400/-only.
				Time :- One Month

Draft SCHEDULE OF QUANTITY

Name of work:- Providing 3 Liter capacity water heater in Type III and Type II qtrs at HP PWD residential colony Bassa Gohar Distt. Mandi

Sr. No	Description	Qty.	Rate		Units	Amount
			In figure	In words		
1	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of Expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of Non-return valve, Dead weight safety valve, 2 No C.P. connection rods 18" long, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required complete in all respect. 3 Liter capacity water heater (Cat-A) Make:- BAJAJ/ USHA /RECOLD/ cromption/ greaves	12	Nos. 5273.00	Rupees Five Thousand Two Hundred Seventy Three Only	Each	63276.00
2	Supplying and fixing Metal box of (180mmx100mmx60mm) size with plate and cover in recess including providing and fixing 5 pin 15/16 amps socket outlet and 1 51/6 amps, switch, connections etc. as required complete in all respect, as per entire satisfaction of engineer in charge. MAKE :- LEGRAND / (MYRIU) / L&T(ENTIC) /ANCHOR /SSK / ABB.	12	Nos. 490.00	Rupees Four Hundred Ninety Only	Each	5880.00
3	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.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required complete in all respect Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	144	Metre 329.00	Rupees Three Hundred TwentyNine Only	Per Metre	47376.00
4	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respect. Make : L&T / Legrand / Siemens. Single pole. Cat-A.	12	Nos. 284.00	Rupees Two Hundred EightyFour Only	Each	3408.00
	Total					119940.00

Draft schedule of quantity checked and approved for Rs.1,19,940/- only.


 Executive Engineer,
 Electrical Division,
 HPPWD Mandi (HP)

Job- 5							Estimated Cost:- Rs.378874 /-only	
							Earnest Money :- Rs7580 /-only	
							Time :- Along with civil work.	
Draft SCHEDULE OF QUANTITY								
Name of work:- C/o Type-IV qtrs 2 Nos of Administrative Department at Keylong (SH:- Prov EI therein)								
Sr. No.	Description	Qty.	In figure	In words	Units	Amount		
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect as per entire satisfaction of Engineer- in- Charge Group B. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	80	Nos	1538.00	Rupees One Thousand Five Hundred ThirtyEight Only	Each	123040.00	
2.00	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 as per entire satisfaction of Engineer- in- Charge. Make :Anchor, Cona, SSK	20	Nos.	314.00	Rupees Three Hundred Fourteen Only	Each	6280.00	
3.00	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps, piano type switch, connections, painting etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : :Anchor, Cona, SSK	18	Nos.	489.00	Rupees Four Hundred EightyNine Only	Each	8802.00	
4.00	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No. HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required complete in all respect as per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.							
i	2x1.5 Sq. mm.	120	Metre	215.00	Rupees Two Hundred Fifteen Only	Per Metre	25800.00	
ii	2x4.0 Sq. mm.	110	Metre	329.00	Rupees Three Hundred TwentyNine Only	Per Metre	36190.00	
iii	2x10 Sq. mm.	8	Metre	546.00	Rupees Five Hundred FourtySix Only	Per Metre	4368.00	
5.00	Wiring for circuit / sub-main with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.4 Sq.mm. (4X4+2X4)HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respect as per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	80	Metre	556.00	Rupees Five Hundred FiftySix Only	Per Metre	44480.00	

6.00	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HFRF) 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 / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.									
i)	3x1.5 Sq. mm.	60	Metre	98.00	Rupees NinetyEight Only	Per Metre Each	5880.00			
7.00	Supplying & fixing LED TUBE 20 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.	548.00	Rupees Five Hundred FortyEight Only	Each	8768.00			
8.00	Supplying & fixing DOWN LIGHT 12W Surface LED Round / Square light of Hevelis Make Having Cat No (LHEAAKP7IL1W012 / LHEAAHP7IL1W012) with aluminium housing,complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make : Wipro / Bajaj / Philips / Jaquar / (Twinkle) Lux Max ,Havells .	36	Nos.	1015.00	Rupees One Thousand Fifteen Only	Each	36540.00			
9.00	Providing and fixing LED SURFACE 24 W LED 1X1 of 6500 K Of with aluminium die cast housing of superior quality complete with Connection,testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max ,Havells .	10	Nos.	2365.00	Rupees Two Thousand Three Hundred SixtyFive Only	Each	23650.00			
10.00	Supplying and fixing bakelite batten/angle holder including connections etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : (ANCHOR /CONA / ESSESKAY)	8	Nos.	88.00	Rupees EightyEight Only	Each	704.00			
11.00	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: Bajaj , Usha, Anchor,Havells .	4	Nos.	2244.00	Rupees Two Thousand Two Hundred FourtyFour Only	Each	8976.00			
i)	Exhaust Fan, Light duty, (Domestic) 300mm sweep									
12.00	Supplying and fixing call bell / buzzer, suitable for D.C./A.C. single phase,230 volts complete as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make: ANCHOR , CONA , ESS ESS KAY .	2	Nos	187.00	Rupees One Hundred EightySeven Only	Each	374.00			
13.00	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.									
i)	SP Cat-A	30	Nos.	284.00	Rupees Two Hundred EightyFour Only	Each	8520.00			
14.00	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required.- Make : L&T / Legrand / Siemens.	2	Nos.	1324.00	Rupees One Thousand Three Hundred TwentyFour Only	Each	2648.00			
i)	Double pole. Cat-A.									
15.00	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 miliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge Make : L&T / Legrand / Siemens.	2	Nos	3931.00	Rupees Three Thousand Nine Hundred ThirtyOne Only	Each	7862.00			

Job- 6					Estimated Cost:- Rs.199453 /-only.	
					Earnest Money :- Rs.4000/-only.	
					Time :- Along with civil work.	
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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 as per entire satisfaction of Engineer- in-Charge. Make : Usha / Havells / Bajaj / Anchor/ Panasonic	3	Nos	2244.00	Rupees Two Thousand Two Hundred FortyFour Only	Each	6732.00
7.01	Exhaust Fan, Light duty, (Domestic) 300 mm sweep						
8.00	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:- Make : L&T / Legrand / Siemens.	16	Nos	284.00	Rupees Two Hundred EightyFour Only		4544.00
8.01	Single pole. Cat-A.				0		0.00
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 as per entire satisfaction of Engineer- in- Charge. Make : L&T / Legrand / Siemens.						
9.01	40 Amps. Cat-A.	1	Nos	2905.00	Rupees Two Thousand Nine Hundred Five Only	Each	2905.00
9.02	63 Amps. Cat-A.	1	Nos	3935.00	Rupees Three Thousand Nine Hundred ThirtyFive Only	Each	3935.00
10.00	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:- Make : L&T / Legrand / Siemens.	2	Nos	1324.00	Rupees One Thousand Three Hundred TwentyFour Only	Each	2648.00
10.01	Double pole. Cat-A.						
11.00	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus- bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:- Make : L&T / Legrand / Siemens.						
11.01	Double door-12 way	1	Nos	2711.00	Rupees Two Thousand Seven Hundred Eleven Only	Each	2711.00
11.02	Double door-16 way	1	Nos	3478.00	Rupees Three Thousand Four Hundred SeventyEight Only	Each	3478.00
12.00	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.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.						
12.01	(i) 2x1.5 Sq. mm.	80	Metre	215.00	Rupees Two Hundred Fifteen Only	Per Metre	17200.00
12.02	(ii) 2x4.0 Sq. mm.	70	Metre	329.00	Rupees Three Hundred TwentyNine Only	Per Metre	23030.00
12.03	(iii) 2x10 sq.mm.	11	Metre	603.00	Rupees Six Hundred Three Only	Per Metre	6633.00

13.00	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.	40	Metre	556.00	Rupees Five Hundred FiftySix Only	Per Metre	22240.00
14.00	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 conduits as required..complete in all respect as per entire satisfaction of Engineer- in- Charge Make:- PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.						
14.01	3x1.5 Sq. mm.	30	Metre	98.00	Rupees NinetyEight Only	Per Metre	2940.00
15.00	Earthing with G.I earth pipe 4.5 mtr. long and 40mm dia. including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required..complete in all respect as per entire satisfaction of Engineer- in- Charge.	1	Nos	5237.00	Rupees Five Thousand Two Hundred ThirtySeven Only	Each	5237.00
16.00	Extra for using salt and charcoal for pipe earth electrode complete as required..complete in all respect as per entire satisfaction of Engineer- in- Charge.	1	Nos	1493.00	Rupees One Thousand Four Hundred NinetyThree Only	Each	1493.00
17.00	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required..complete in all respect as per entire satisfaction of Engineer- in- Charge.	20	Metre	47.00	Rupees FourtySeven Only	Per Metre	940.00
18.00	Supplying and fixing brass batten/angle holder including connections etc. as required..complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : (ANCHOR /CONA / ESSESKAY)	10	Nos	88.00	Rupees EightyEight Only	Each	880.00
19.00	Supplying & fixing DOWN LIGHT 12W Surface LED Round / Square light of Hevels Make Having Cat No (LHEAAKP7IL1W012 / LHEAAHP7IL1W012) with aluminium housing,complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make : Havells .	6	Nos	1015.00	Rupees One Thousand Fifteen Only	Each	6090.00
20.00	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. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max ,Havells .	10	Nos	608.00	Rupees Six Hundred Eight Only	Each	6080.00
21.00	Supplying & fixing LED Metal Bulk Head 10 Watt Having Cat no. (BLK02X010XC) comprising of pressure die cast housing with acrylic diffuser (IP65 protection) complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max ,Havells .	2	Nos	1474.00	Rupees One Thousand Four Hundred SeventyFour Only	Each	2948.00
22.00	Providing & fixing LED Bulb 9Watt complete with connection testing commissioning etcas required..complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max ,Havells .	10	Nos	197.00	Rupees One Hundred NinetySeven Only	Each	1970.00

23.00	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of Expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of Non-return valve, Dead weight safety valve, 2 No C.P. connections rods 18" long, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required complete in all respect as per entire satisfaction of Engineer-in-Charge. Make : Racold / Bajaj / Usha.	1	Nos	13769.00	Rupees Thirteen Thousand Seven Hundred SixtyNine Only	Each	13769.00
23.01	25 Liter capacity water heater (Cat-A)						
							199453.00

Draft schedule of quantity checked and approved for Rs. 1,99,453/- only.

Executive Engineer,
Electrical Division,
HPPWD Mandi (HP)

Job- 7					Estimated Cost:- Rs.128583. /-only.
					Earnest Money :- Rs.2600/-only.
					Time :- Along with civil work.

Draft SCHEDULE OF QUANTITY

Name of work:- Providing E.I. in Renovated Health sub centre Kurehala at baldwara Tehsil Sarkaghat District Mandi H.P

Sr. No.	Description	Qty.	Rate		Units	Amount
			In figure	In words		
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit and earthing the light point with 1.5 Sq.mm. HRRFLS/PVC insulated single core copper conductor cable as required complete in all respect. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.					
1.01	Group A.	8	Nos	Rupees Eight Hundred Eighty Only	Each	7040.00
1.02	Group C	13	Nos	Rupees One Thousand Two Hundred NinetyFour Only	Each	16822.00
2	Supplying and fixing metal box of 100mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps, piano type switch, connections, painting etc. as required complete in all respect. Make: ANCHOR , CONA , ESS ESS KAY .	11	Nos	314	Each	3454.00
3	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 6 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc. as required complete in all respect. Make: ANCHOR , CONA , ESS ESS KAY .	8	Nos	489.00	Each	3912.00
4	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase 230 volts complete as required complete in all respect. Make: ANCHOR , CONA , ESS ESS KAY .	2	Nos	281.00	Each	562.00
5	Providing, Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required complete in all respect. Make : Usha / Havells /Bajaj.	3	Nos	2655.00	Each	7965.00
5.01	Ceiling fan 1200 mm sweep (Category -A)					
6	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required complete in all respect. Make : Usha / Havells / Bajaj / Anchor Panasonic.	3	Nos	2244.00	Each	6732.00
6.01	Exhaust Fan, Light duty, (Domestic) 300 mm sweep					

7	Providing and fixing recess mounted Square/Round LED downlight 6 Watt with Al die-cast body finish with drop down PC diffuser to deliver low glare illumination with optimized heat sink for efficient heat dissipation complete with Connection,testing commissioning etc as required in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max ,Havells .	3	Nos	810.00	Rupees Eight Hundred Ten Only	Each	2430.00
8	Providing and fixing LED SURFACE 24 W LED 6500 K Of (Hevels Trim Cosmo surface Square/Round Panel) Make having cat No LHEAABP7IL1W024) (LHEAABP7IN1W024) with aluminium die cast housing of superior quality complete with Connection,testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max , Havells .	4	Nos.	2365.00	Rupees Two Thousand Three Hundred SixtyFive Only	Each	9460.00
9	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. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max ,Havells , Clair.	2	Nos	608.00	Rupees Six Hundred Eight Only	Each	1216.00
10	Supplying and fixing brass batten/angle holder including connections etc. as required complete in all respect. Make: ANCHOR , CONA , ESS ESS KAY .	2	Nos	88.00	Rupees EightyEight Only	Each	176.00
11	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. (Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max ,Havells)	2	Nos	2544.00	Rupees Two Thousand Five Hundred FortyFour Only	Each	5088.00
12	Providing and fixing LED BULB 10 W B22 / E27/E14 base cap connections, etc. as required complete in all respects. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max / Hevels	2	Nos.	197.00	Rupees One Hundred NinetySeven Only	Each	394.00
13	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respect. Make : L&T / Legrand / Siemens/ Hevels.						
13.01	Single pole. Cat-A.	13	Nos	284.00	Rupees Two Hundred EightyFour Only	Each	3692.00
14	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respect. Make : L&T / Legrand / Siemens/ Hevels.						
14.01	Double pole. Cat-A.	2	Nos	1324.00	Rupees One Thousand Three Hundred TwentyFour Only	each	2648.00
15	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required Make : L&T / Schneider / ABB / Legrand.	2	Nos	2905.00	Rupees Two Thousand Nine Hundred Five Only	each	5810.00
15.01	40 Amps.(Category-A)						

16	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required complete in all respect. Make : L&T / Legrand / Siemens/ Hevelis.	2	Nos	2711.00	Rupees Two Thousand Seven Hundred Eleven Only	Each	5422.00
16.01	Double door-12 way						
17	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.HRFR/PVC insulated single core copper conductor cable of same size for earthing as required. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI						
17.01	(i) 2x1.5 Sq. mm.	40	Metre	215.00	Rupees Two Hundred Fifteen Only	Per Metre	8600.00
17.02	(ii) 2x4.0 Sq. mm.	40	Metre	329.00	Rupees Three Hundred TwentyNine Only	Per Metre	13160.00
17.03	(iii) 2x6.0 sq.mm.	5	Metre	454.00	Rupees Four Hundred FiftyFour Only	Per Metre	2270.00
18	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. HRFR/PVC insulated single core copper conductor cable for earthing as required. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI	20	Metre	556.00	Rupees Five Hundred FiftySix Only	Per Metre	11120.00
19	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. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI	30	Metre	98.00	Rupees NinetyEight Only	Per Metre	2940.00
19.01	3x1.5 Sq. mm.						
20	Earthing with G.I earth pipe 4.5 mtr. long and 40mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required complete in all respect.	1	set	5237.00	Rupees Five Thousand Two Hundred ThirtySeven Only	Each	5237.00
21	Extra for using salt and charcoal for pipe earth electrode complete as required complete in all respect.	1	set	1493.00	Rupees One Thousand Four Hundred NinetyThree Only	Per Set	1493.00
22	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required complete in all respect.	20	Metre	47.00	Rupees FortySeven Only	Per Metre	940.00
	Total						128583.00

Draft schedule of Quantity checked and approved for RS.128583/- only.

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

Job- 8						Estimated Cost:- Rs. 117800/-only.	
						Earnest Money :- Rs.2400/-only.	
						Time :- Along with civil work.	
Draft SCHEDULE OF QUANTITY							
Name of work:- Providing and Laying of SOP cable for the civil hospital building at Manali. (SH: providing 95 sqmm cable there in)							
Sr. No	Description	Qty.	Rate		Units	Amount	
			In figure	In words			
1	Providing, laying and fixing of one No..aluminium conductor, PVC insulated and PVC sheathed, unarmoured/XLPE power cable, working voltage 1100 volts grade on surface etc. of the required size:- Makes:-PLAZA /KEI/POLYCAB/ Equivalent make.	100	1178.00	Rupees One Thousand One Hundred SeventyEight Only	Each	117800.00	
	unArmoured cable 95 sq. mm (3.5 core)						
	Total					117800.00	

Draft schedule of quantity checked and approved for Rs.117800/-only

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

Job- 9							Estimated Cost :- Rs.451018 /- Only
							Earnest Money :- Rs.9000/- Only
							Time :- One Month
DRAFT SCHEDULE OF QUANTITY							
Name Of Work :- Providing Damaged accessories and repair / Maintenance in Tribal Bhawan at Bhunter District Kullu H.P							
S.No.	Description	Qty.	In Figure	Rate		Unit	Amount
				In Words			
1	Supplying and fixing of following way triple pole and neutral, sheet steel MCB distribution board, 415 volts, on surface / recess, with provision for 4-pole MCB/Isolator/RCCB/RD as incomer and SP MCBs as outgoing, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required..complete in all respect as per entire satisfaction of Engineer- in- Charge.- Make L&T / LEGRAND / SIEMENS.	1	Nos	17319.00	Rupees Seventeen Thousand Three Hundred Nineteen Only	Each	17319.00
i)	Single door-12 way (8+36), horizontal type						
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..complete in all respect as per entire satisfaction of Engineer- in- Charge.- Make L&T / LEGRAND / SIEMENS.						
i)	Double door-8way	6	Nos	1935.00	Rupees One Thousand Nine Hundred ThirtyFive Only	Each	11610.00
ii)	Double door-12 way	2	Nos	2503.00	Rupees Two Thousand Five Hundred Three Only		5006.00
iii)	Double door-16 way	1	Nos	3461.00	Rupees Three Thousand Four Hundred SixtyOne Only		3461.00
3	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required..complete in all respect as per entire satisfaction of Engineer- in- Charge. t Make L&T / LEGRAND / SIEMENS.	9	Nos	1138.00	Rupees One Thousand One Hundred ThirtyEight Only	Each	10242.00
i)	Double pole. Cat-A						
4	Supplying and erection of 6 amps to 32 amps, rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required..complete in all respect as per entire satisfaction of Engineer- in- Charge. Make L&T / LEGRAND / SIEMENS.	102	Nos	217.00	Rupees Two Hundred Seventeen Only	Each	22134.00
i)	Single pole. Cat-A.						
5	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, coppercable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required..complete in all respect as per entire satisfaction of Engineer- in- Charge. Make:-Usha/ Bajaj/ hevells /Anchor Panasonic/Crompton	7	Nos	3233.00	Rupees Three Thousand Two Hundred ThirtyThree Only	Each	22631.00
i)	Ceiling Fan 1400 mm. Cat-A						

6	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 respect as per entire satisfaction of Engineer-in- Charge Make:- BAJAJ/ USHA /RECOLD/ cromption/ greaves/ Havells.	3	Nos	13721.00	Rupees Thirteen Thousand Seven Hundred TwentyOne Only	Each	41163.00
i)	25 Liter capacity water heater (Cat-A)						
7	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in existing surface / recessed. Steel/PVC conduit as required, complete in all respect as per entire satisfaction of Engineer-in- Charge Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.						
i)	3x1.5 sqmm	537	Metre	98.00	Rupees NinetyEight Only	Per Metre	52626.00
ii)	3x4 sqmm	420	Metre	218.00	Rupees Two Hundred Eighteen Only	Per Metre	91560.00
iii)	6x4 sqmm	304	Metre	345.00	Rupees Three Hundred FortyFive Only	Per Metre	104880.00
iv)	4x10 sqmm	30	Metre	610.00	Rupees Six Hundred Ten Only	Per Metre	18300.00
8	Supply Erection and commissioning of uni earth maintenance free chemical earthing system consisting of environment friendly ground enhancing compound G.E.C 50 kg or as per required at site having anticorrosive and hygroscopic properties to replace excavated soil. It should consist of Uniearth Copperbonded electrodes as per site conditions and soil resistivity at various depth levels and different terrains. the electrodes have coating of 250 microns of molecularly bonded pure electrolytic copper (99.9%) in 2meter 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 with the earth pit cover 300x300mm will be heavy duty type made of FRP with a openable lid for periodic inspection of the Earthing. as required. complete in all respect as per entire satisfaction of Engineer-in- Charge.(Pure Copper)	2	Set	24943.00	Rupees TwentyFour Thousand Nine Hundred FortyThree Only	Per set	49886.00
9	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.	30	Nos	40.00	Rupees Forty Only	Each	1200.00
	Total						452018.00
	Dismantal credit(-)						1000.00
	Total						451018.00

Draft schedule of quantity checked and approved for RS. 4,51,018/- only.

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

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Job- 1D					Estimated Cost- Rs.171995 /-only.	
					Earnest Money :- Rs.3450/-only.	
					Time :- Along with civil work.	
Draft SCHEDULE OF QUANTITY						
Name Of Work:- Repair and Maintenance Type - IV Residence of Planning Officer at Sarwari, Distt. Kullu (HP)						
Sr. No.	Description	Qty.	In figure	Rate	Units	Amount
				In words		
1.00	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required complete in all respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.					
i	3x1.5 Sq. mm.	100 Merte	98.00	Rupees NinetyEight Only	Per Metre	9800.00
ii	3x4.0 sq mm	100 Merte	218.00	Rupees Two Hundred Eighteen Only	Per Metre	21800.00
iii	3x10 sq. mm	25 Merte	519.00	Rupees Five Hundred Nineteen Only	Per Metre	12975.00
2.00	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps, piano type switch, connections, painting etc. as required complete in all respects per entire satisfaction of the Engineer in charge Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB	9 Nos	304.00	Rupees Three Hundred Four Only	Each	2736.00
3.00	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 6 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc. as required complete in all respects per entire satisfaction of the Engineer in charge Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB	8 Nos	480.00	Rupees Four Hundred Eighty Only	Each	3840.00
4.00	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.	4 Nos	2207.00	Rupees Two Thousand Two Hundred Seven Only	Each	8828.00
5.00	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required complete in all respects per entire satisfaction of the Engineer in charge Make : Usha / Bajaj / Anchor Panasonic.	3 Nos	2244.00	Rupees Two Thousand Two Hundred FortyFour Only	Each	6732.00
	Exhaust Fan, Light duty, (Domestic) 300 mm sweep					

6.00	Supplying & fixing LED TUBE 22W, Aluminium BATTEN, complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge Make:-Jaquar/Twinkle/Panasonic.	14	Nos	808.00	Rupees Eight Hundred Eight Only	Each	11312.00
7.00	Supplying & fixing 10 Watt LED bulk head comprising of pressure die cast housing with acrylic diffuser (IP65 protection) complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make:-Jaquar/Twinkle/Panasonic.	5	Nos	1459.00	Rupees One Thousand Four Hundred FiftyNine Only	Each	7295.00
8.00	Providing, Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required complete in all respect as per entire satisfaction of Engineer-in-Charge. Make : Usha / Bajaj / Anchor Panasonic.	5	Nos	2580.00	Rupees Two Thousand Five Hundred Eighty Only	Each	12900.00
	Ceiling Fan 1200 mm sweep						
9.00	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.	12	Nos	284.00	Rupees Two Hundred EightyFour Only	Each	3408.00
	Single pole 10 Amp.+20 amp Cat-A.						
10.00	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 miliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required complete in all respects per entire satisfaction of the Engineer in charge. Make : L&T / Legrand / Siemens.	1	Nos	2900.00	Rupees Two Thousand Nine Hundred Only	Each	2900.00
	63 Amps.(Category-A)						
11.00	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respects per entire satisfaction of the Engineer in charge Make : L&T / Legrand / Siemens.	1	Nos	1324.00	Rupees One Thousand Three Hundred TwentyFour Only	Each	1324.00
	Double pole.(Category-A)						
12.00	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required complete in all respects per entire satisfaction of the Engineer in charge. Make L&T / LEGRAND / SIEMENS.	1	Nos	3935.00	Rupees Three Thousand Nine Hundred ThirtyFive Only	Each	3935.00
	Double door-16 way						

Estimated Cost- Rs.171995 /-only.							
13.00	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of 2 No C.P. connection rods 18" long, making good the damages, electrical connections,testing and commissioning etc. as required complete in all respectas per entire satisfaction of the Engineer in charge. Make BAJAJ/ USHA /RECOLD/crompton/ greaves	2	Nos	13769.00	Rupees Thirteen Thousand Seven Hundred SixtyNine Only	Each	27538.00
14.00	25 Liter capacity water heater (Cat-A) Providing and installation of stationary Instant 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 /RECOLD/crompton/ greaves	1	Nos	4970.00	Rupees Four Thousand Nine Hundred Seventy Only	Each	4970.00
15.00	3 Liter capacity Instant water heater (Cat-A) Supplying and fixing call bell / buzzer, suitable for D.C./A.C. single phase,230 volts complete as required complete in all respectas per entire satisfaction of the Engineer in charge Make: ANCHOR , CONA , ESS ESS KAY .	1	No	279.00	Rupees Two Hundred SeventyNine Only	Each	279.00
16.00	Supplying & fixing 10 Watt LED mirror light High quality aluminium extruded 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. Make:- Wipro / Bajaj / Phillips / Twinkle / Anchor/Havells.	2	Nos	491.00	Rupees Four Hundred NinetyOne Only	Each	982.00
17.00	Supplying & fixing 45 Watt LED Street light in aluminium pressure die cast housing with toughened glass cover (IP66 rating) complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make:-Wipro / Bajaj / Phillips / Twinkle / Anchor/Havells.	3	Nos	3847.00	Rupees Three Thousand Eight Hundred FortySeven Only	Each	11541.00
18.00	Supplying and fixing of following sizes of PVC conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required complete in all respectas per entire satisfaction of the Engineer in charge. Make : AKG/ BEC/NIC/ Diplast. 25 mm dia.	130	Merte	130.00	Rupees One Hundred Thirty Only	Metre	16900.00
	Total						171995.00

Draft Schedule of Quantity checked and approved for RS.171995/only.

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

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Job-1/					Estimated Cost:- Rs. 4,82,755 /-only.		
					Earnest Money :- Rs. 9655 /-only.		
					Time :- One Month		
Draft Schedule of quantity							
Name of Work :- SITC of Air Conditioners in HPPWD Division Building Dharampur Teshil Dharampur Distt Mandi (Newly shifted HPPWD Circle office Dharampur)							
S.N.	Description	Qty.	Rate in figure.	Rate in words.	Unit	Amount	
1	Supplying and fixing of 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 and to the best satisfaction of Engineer-in-charge. Make :- LG , SAMSUNG , LLOYD ,VOLTAS .	7 Nos	68965.00	Rupees sixty eight thousand nine hundred sixty five only.	Each	482755.00	
					Total	482755.00	

*Draft Schedule of Quantity checked
and approved for Rs. 482755/- only*

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

Job-12					Estimated Cost:- Rs. 277500/-only.	
					Earnest Money :- Rs.5550/-only.	
					Time :- One Month	
Draft SCHEDULE OF QUANTITY						
Name of work:- SITC OF CCTV SURVEILLANCE SYSTEM FOR INDOOR BADMINTON STADIUM KULLU (H.P)						
Sr. No	Description	Qty.		Rate		Amount
				In figure	In words	
1	Supply, Installation, Testing and Commissioning of 4MP Fixed Dome 1/2.7" CMOS, Max Resolution 2560 X 1440, Minimum Illumination Color 0.002lux @ F1.6, WDR-120db, PAL/NTSC, 2.8mm Fixed Lens, IR upto 30 Meter, H.264/H.265, IP66, Surge Protection, Power Consumption 6W. Make - Honeywell, Infinova, Avigilon	6	Nos	11800.00	Rupees Eleven Thousand Eight Hundred Only	70800.00
2	Supply, Installation, Testing and Commissioning of 4MP Bullet Camera with 1/2.7" CMOS, Max Resolution 2560 X 1440, Minimum Illumination Color 0.02lux @ F1.6, WDR-120db, PAL/NTSC, 4mm Fixed Lens, IR upto 50 Meter, H.264/H.265, IP67, Surge Protection, Power Consumption 6W. Make - Honeywell, Infinova, Avigilon	2	Nos	12500.00	Rupees Twelve Thousand Five Hundred Only	25000.00
3	Supply, Installation, Testing and Commissioning of 4TB Hard Disk for NVR. Make - Toshiba, Western Digital, Lenovo	1	Nos	11990.00	Rupees Eleven Thousand Nine Hundred Ninety Only	11990.00
4	Supply, Installation, Testing and Commissioning of PoE Switch 4 Port PoE Switch 10/100/1000 Base-T Ports. Make Dlink, TP-link.	2	Nos	5500.00	Rupees Five Thousand Five Hundred Only	11000.00
5	Supply, Installation, Testing and Commissioning of Full HD 32" LED Display with HDMI Ports, USB Ports, Smart TV with in Built Wi-Fi. Make LG, Sony, Samsung	1	Nos	36000.00	Rupees ThirtySix Thousand Only	36000.00
6	Supply, Installation, Testing and Commissioning of CAT 6 Cable of 23AWG supports Gigabit Ethernet Standard. Operates at 250Mhz.	400	Metre	61.00	Rupees SixtyOne Only	24400.00
7	Supply, Installation, Testing and Commissioning of PVC Conduit ISI Mark.	400	Metre	120.00	Rupees One Hundred Twenty Only	48000.00
8	Supply, Installation, Testing and Commissioning of Water Purifier from Aquaguard which delivers Hot & Ambient water and comes with Superior protection of stainless steel Tank. Make Aquaguard	1	Nos	29400.00	Rupees TwentyNine Thousand Four Hundred Only	29400.00
9	Supply, Installation, Testing and Commissioning of Rack 4 U.	1	Nos	4410.00	Rupees Four Thousand Four Hundred Ten Only	4410.00
10	Supply, Installation, Testing and Commissioning of Network Video Recorder (NVR) 20 Channels, Max Resolution 8 MP, Incoming Bandwidth 120Mbps, Outgoing Bandwidth 100 Mbps, SATA Hard Disks with Support 10TB for each HDD, 2X USB2.0, HDMI and VGA Simultaneous Output, 1XRJ45 self-adaptive 10/100/1000 Mbps network Interface, H.265, H.264 Video Formats Make - Honeywell, Infinova, Avigilon	1	Nos	16500.00	Rupees Sixteen Thousand Five Hundred Only	16500.00
	Total					277500.00

Draft schedule of Quantity checked and approved for Rs. 277500/- only.

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

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Job 13

Draft Schedule of quantity															
Nmae of Work :- Providing LAN Connectivity and necessary items in newly shifted court 1 and court 2 in combined office building First floor and third Floor at sarkaghat Distt Mandi .															
S.N.															
Description															
Qty.															
Rate in figure.															
Rate in words Rupees															
Unit															
Amount															
1	Supply, Installation and commissioning of 24 port Network PoE switch having 24 # 10/100/1000 Base-T auto-sensing PoE+ ports, 02 # 100/1000/10GBase-T RJ45 Ports, 02 # 1000/100/10 Mbps -X SFP+ ports, 1 USB Storage (image, config, log files), RAM: 512 MB, Packet buffer memory: 32 MB, Flash: 128 MB, Stack height: 6 switches, Bandwidth: 128 Gbps non-blocking, Throughput : 95.2 Mpps, Acoustic noise (ANSI-S10.12): 36.8dBA, Mean Time Between Failures (MTBF): 147,965 hours, Forwarding modes: Store-and-forward, 8 Priority queues, Priority queuing: Weighted Round Robin (WRR), MAC Address database size: 16,000 media access control (MAC) addresses, VLAN: 256, 1,024 Multicast Groups, 32 Static Routes, 15 Routed VLANs, 512 ARP Cache entries, 8K DHCP snooping bindings, 100 shared for MAC, IP and IPv6 ACLs, IEEE 802.3 Ethernet, IEEE 802.3i 10BASE-T, IEEE 802.3u 100BASE-T, IEEE 802.3ab 1000BASE-T, IEEE 802.1Q VLAN Tagging, IEEE 802.3x Full-Duplex Flow Control, IEEE 802.1Qav1, IEEE 802.3z Gigabit Ethernet 1000BASE-SX/LX, IEEE 802.1Q Trunking (LACP), IEEE 802.1AB LLDP with ANSI/TIA-1057 (LLDP-MED), IEEE 802.1p Class of Service, PoE budget: 195W, IEEE 802.1x RADIUS Network Access Control, When all ports used, Line-Rate Traffic, MAC-based ACL, PoE Timer, Access Lists, L2 MAC, L3 IP and L4 port ACLs, Port-based rate limiting : Egress only, IEEE 802.1Q VLAN tagging, IP-based VLANs, Auto-Voice VLAN : Based on phones OUI bytes (internal database, or user-maintained) or protocols (SIP, H323 and SCCP), IEEE 802.3ad - LAGs, IEEE 802.1s Multiple Spanning Tree Protocol, IEEE 802.3x (full duplex and flow control), IEEE 802.1w Rapid Spanning Tree Protocol, IGMP snooping (v1, v2 and v3), Multicast VLAN Registration (MVR), MLD snooping support (v1 and v2), DHCP Client, DHCP Snooping, # of LAGs / # of members in each LAG : 26 LAGs with max 8 members in each LAG, , Configurable Management VLAN, Operating Temperature: 32° to 122°F (0° to 50°C), Storage Temperature: - 4° to 158°F (-20° to 70°C), Humidity: 95% maximum relative humidity, non-condensing. . Onsite Warranty 3 years. Make: Cisco/Zyxel/Juniper.									2	No.	78500	Rupees Seventy Eight thousand Five hundred only	No.	157000
2	Supply, Installation and Commissioning of Wireless Access Point having One (1) 10/100/1000BASE-T Gigabit Ethernet (RJ-45) ports with Auto Uplink™ (Auto MDI-X) with IEEE 802.3af or 802.3at Power over Ethernet (PoE) support, One (1) console port with RJ45 Interface, Two (2) Internal 5/6dBi (2.4/5GHz), Two (2) reverse SMA antenna connectors for dual band 2.4 and 5GHz external antennas (not included), Five (5) LED: Power, Link/ACT, LAN, 2.4GHz, 5GHz, Power adapter (not included): 12V DC, 2.5A, IEEE 802.11ac, IEEE 802.11g, IEEE 802.11b, IEEE 802.n, IEEE 802.11n standard, 2.4GHz and 5GHz, WMM - Wireless Multimedia Prioritization, WDS- Wireless Distribution System, Wi-Fi Protected Access (WPA, WPA2), Wi-Fi Protected Access (WPA, WPA2), Wired Equivalent Privacy (WEP) 64-bit, 128-bit, and 152-bit encryption, IEEE 802.1x RADIUS authentication with EAP TLS, TTLS, PEAP, an aggregate throughput of up to 1.2 Gbps (300 Mbps for 2.4 GHz and 867 Mbps for 5 GHz), SNMP management supports SNMP MIB I, MIB II, 802.11 MIB and proprietary configuration MIB. Onsite Warranty - 3 years. Make: - Cisco/Zyxel/Juniper.									2	No.	48450	Rupees Fourty Eight thousand Four hundred Fifty only	No.	96900
3	SITC of Firewall Performance - 3700 MBPS, TLS Inspection - 375 MBPS, IPS - 1015Mbps, IPSEC VPN- 750 Mbps, Threat Protection- 240 Mbps, Connectivity - 4 GE Copper, 1X SFP Fiber, Management Interface- 1XCom RJ 45 Make -Sophos, CISCO , Juniper									1	No.	82500	Rupees Eighty Two thousand Five hundred only	No.	82500
4	Supply and erection of 24 port patch Panel Powder Coated Steel Material, 24 ports, punch down module, Compatible with both T568A and T568B wiring options, Backward compatible with Category 5e cabling standards, Supports solid 22-24 AWG wires and stranded 24-26 AWG, Flammability Rating UL 94V-0, Safety Rating UL1863, identification Each port of the panel is numbered and has a designated label area for clear port identification, standards compliance ISO/IEC 11801 Class E, TIA/EIA-568B.2-1, Application -IEEE 802.af, IEEE 802.3at for PoE applications, Certification - UL, CE. Make - Panduit/Nordon/R&M									2	No.	6880	Rupees six thousand Eight hundred eighty only	No.	13760
5	Supply and erection of 2 meter long patch cord Low Smoke Zero Halogen factory crimped comprising of make RJ-45 connectors on both end complete , ANSI/TIA-568-C.2 and ISO/IEC-11801 (2nd Edition), IEC 61156-2, EN 50173; EN 50288-6-2 Category 6, IEEE 802.af, IEEE 802.3at for PoE applications, Certification - UL, CE. Make Panduit, Nordon, R&M									15	No.	530	Rupees Five hundred Thirty only	No.	7950

6	Supply and erection of 1meter long patch cord Low Smoke Zero Halogen factory crimped comprising of make RJ-45 connectors on both end complete , ANSI/TIA-568-C.2 and ISO/IEC-11801 (2nd Edition), IEC 61156-2, EN 50173; EN 50288-6-2 Category 6, IEEE 802.af, IEEE 802.3at for PoE applications, Certification - UL, CE. Make Panduit, Nordon, R&M	25	No.	410	Rupees Four hundred Ten only	No.	10250
7	Supplying and installation of of UTP 4 pair CAT 6 LAN cable with minimum frequency 500 MHz. in the existing surface/recessed steel/PVC conduit as required. The job includes the cost of all necessary components .Unshielded Twisted Pair, Category 6, TIA / EIA 568-C.2 & ISO/IEC 11801,23 AWG solid bare copper jacket, High Density Polyethylene Insulation, Cross-member (+) fluted Spline pair separator, conductor resistance 73 Ohms Max / KM nominal, standard compliance ANSI/TIA-568 C.2 category 6, ISO/IEC-11801, Class E/ IEC 61156-5; category 6, Certifications: UL, CE, ETL, ETL channel tested. Make: Nordon/ Panduit/ R&M/D-LINK	670	No.	90	Rupees ninety only	No.	60300
8	Supply and Installation of 6 U wall mount rack, Tinted Toughened Glass Door, High quality fan of High Cool brand,High quality PDU Make APW/ Comrack/ Dlink	2	No.	7500	Rupees seven thousand Five hundred only	No.	15000
9	Supply, Installation and Commissioning of LAN (Data cabling and computer networking) SE of Information outlets and Face Plate RJ-45 F connection to terminate the individual Cat - 6 cable from data switch to respective data node of the network and connect the node the server by making cat-6 cable back bone complete in all respect. Make: Panduit, Schinder, Nordon.	25	No.	850	Rupees Eight hundred Fifty only	No.	21250
10	Supply , Installation and Commissioning of Wireless Dongle for Desktops complete in all respect upto the entire satisfaction of Engineer-in-charge of work. Make: Panduit, Schinder, Nordon.	10	No.	730	Rupees Seven hundred Thirty only	No.	7300
11	Supply and erection of PVC pipe 25mm dia ISI marked (Medium) recessed in wall / ceiling etc. including the cost of PVC bends , inspection boxes , iron hooks and cement concrete etc. complete in all respect upto the entire satisfaction of Engineer-in-charge of work. Make: BEC/Diplast /Polyplast	250	No.	110	Rupees one hundred ten only	No.	27500
TOTAL							499710

*Draft Schedule of Quantity Checked
and approved for RS. 499710/- only*

Executive Engineer
Elect Division, H.P.P.W.D.

(Signature)

(Stamp)