

**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 21 from approved and eligible contractors enlisted in appropriate class in HPPWD (Electrical) department having valid Electrical license, and for work at Sr No. 22 and 25 from OEM or authorized agencies of OEM having similar work experience so as to reach in his office on or before 28.12.2023 up to 10.30 A.M. and will be opened on the same day at 11.30 A.M in the presence of intending contractors or their authorized representatives. The application for issuing of tender form will be received in his office against cash payment Rs. 350/- (Non-refundable) for each work on or before 28.12.2023 up to 01:00 P.M. and the tender forms can be had from his office on same day. The application for the purchase of the tender documents should be accompanied with earnest money of each work separately in the shape of National Saving Certificate/FDR/ Call Deposit / Bank draft of any Schedule Bank / Post Office duly pledged in favour of the Executive Engineer, Electrical Division, HP.PWD, Mandi (H.P.). Conditional tenders and the tenders received without earnest money will be rejected. The receipt of application for issue of tender forms by post shall not be entertained / considered in any case. The tender forms shall be issued to registered Contractors or their authorized representatives. The copy of enlistment / renewal order and valid Electrical License shall be attached with the application for purchase the tender document.. The ambiguous / telegraphic / conditional / fax / E-mail or by post tenders shall also not be entertained / considered in any case. The tender shall be issued to those Contractors / Firms who are found eligible, suitable and competent. The decision of the Executive Engineer, regarding suitability / eligibility / competency of Contractors/ Firms shall be final binding on the Contractors / Firms applying for the issuing of the tender. The offer for the tenders shall be kept open for 120 days. The Executive Engineer reserves the right to reject the tender without assigning any reasons, if there happens to be any holiday the same will be opened on next working day.

Work No. 1:- 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 Worn out switches, sockets and light fixture in Medical College Block D and Hospital 4th floor Block A & B therein) Estimated Cost: Rs. 152090/-only, Earnest money: Rs. 3050/- only, Time allowed: - Two Months.

Work No. 2 :- Replacement of Piano Type Switches to Modular Switches and Main panel along with Circuit wires in Rest House Karsog District Mandi HP Estimated Cost: Rs. 275264/-only, Earnest money: Rs. 5550/- only, Time allowed: - One Month.

Work No. 3:- 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 Worn out switches, sockets and light fixture in Medical College Block-C, D and Hospital Ground 1st floor therein) Estimated Cost: Rs. 353990/-only, Earnest money: Rs. 7100/- only, Time allowed: - Two Months

Work No. 4:- C/o Guest House in the premises of Government Polytechnic Sunder Nagar District Mandi HP (SH: Providing balance work of E.I therein) Estimated Cost: Rs. 393991/-only, Earnest money: Rs. 7900/- only, Time allowed: - Along with civil work

Work No. 5:- C/o Deputy Director Treasury Office-cum-Residence at Khaliyar District Mandi HP (SH: Providing Air Conditioners and balance work of E.I therein) Estimated Cost: Rs. 442478/-only, Earnest money: Rs. 8850/- only, Time allowed: - Two Months

Work No. 6:- C/o Health Sub Centre Building at Parlog Tehsil Karsog District Mandi HP (SH: Providing E.I therein) Estimated Cost: Rs. 129013/-only, Earnest money: Rs. 2600/- only, Time allowed: - Along with civil work.

Work No. 7:- C/o Veterinary Hospital Building at Jachh (Chachiot) District Mandi HP (SH: Providing E.I therein) Estimated Cost: Rs. 196367/-only, Earnest money: Rs. 3950/- only, Time allowed: - Along with civil work.

Work No. 8:- C/o Veterinary Hospital Building at Maloh, Tehsil Sunder Nagar, District Mandi HP (SH: Providing E.I therein) Estimated Cost: Rs. 421817/-only, Earnest money: Rs. 8450/- only, Time allowed: - Along with civil work.

Work No. 9:- C/o Shaheed Samarak at Ram Bagh Akhara Bazaar, Kullu District Kullu HP (SH: Providing E.I therein) Estimated Cost: Rs. 414659/-only, Earnest money: Rs. 8300/- only, Time allowed: - Along with civil work.

Work No. 10:- Repair and maintenance of Non Residential Buildings at section Banjar under Electrical Sub Division, HPPWD Kullu District Kullu H.P Estimated Cost: Rs. 250373/-only, Earnest money: Rs. 5050/- only, Time allowed: - One Month

Work No. 11:- C/o Combined office building at Padhar District Mandi HP (SH: Providing balance work of EI therein) Estimated Cost: Rs. 499333/-only, Earnest money: Rs. 10000/- only, Time allowed: - One Month

Work No. 12:- C/o Girls Hostel for Atal Adarsh Vidyalaya at Gudhari Tehsil Chachiot District Mandi HP (SH: Laying of conduit ground and 1st floor therein) Estimated Cost: Rs. 351720/-only, Earnest money: Rs. 7050/- only, Time allowed: - Along with civil work

Work No. 13:- C/o Type-II quarter 24 Nos. for Atal Adarsh Vidyalaya at Gudhari Tehsil Chachiot District Mandi HP (SH: Laying of conduit floor therein) Estimated Cost: Rs. 461496/-only, Earnest money: Rs. 9250/- only, Time allowed: - Along with civil work

Work No. 14:- C/o Type-III quarter 6 Nos. for Atal Adarsh Vidyalaya at Gudhari Tehsil Chachiot District Mandi HP (SH: Laying of conduit and GI modular Boxes therein) Block C Estimated Cost: Rs. 419500/-only, Earnest money: Rs. 8400/- only, Time allowed: - Along with civil work

Work No. 15:- Supplying, Installation Testing and Commissioning of Sub Main Light electrical panel at A/A to Circuit House at Manali District Kullu HP Estimated Cost: Rs. 180264/-only, Earnest money: Rs. 3650/- only, Time allowed: - Along with civil work

Work No. 16:- Supplying, Installation, Testing and Commissioning of KONE 8 Passenger Machine room Gearless Monospace Elevator at Multipurpose Bhawan of DC District Kullu HP (SH: Providing E.I in Lift and conference Hall for Sound System) Estimated Cost: Rs. 244938/-only, Earnest money: Rs. 4900/- only, Time allowed: - One Month

Work No. 17:- C/o Additional Accommodation Block A and B for District Library Kullu District Kullu HP (SH: Providing and fixing 2 tonne Air Conditioners in Block B therein) Estimated Cost: Rs. 387904/-only, Earnest money: Rs. 7800/- only, Time allowed: - One Month

Work No. 18:- 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. 19:- Supplying, Installation Testing and Commissioning of Air Conditioner (Hot & Cold) in Circuit House Manali District Kullu HP Estimated Cost: Rs. 499630/-only, Earnest money: Rs. 10000/- only, Time allowed: - One Month

Work No. 20:- Supplying, Installation Testing and Commissioning of 11 KVA Inverter at Old VIP Circuit House Manali District Kullu HP Estimated Cost: Rs. 414490/-only, Earnest money: Rs. 8300/- only, Time allowed: - along with civil work

Work No. 21:- Supplying 20 KVA DG Set at Tehsil office Sainj District Kullu HP Estimated Cost: Rs. 464252/-only, Earnest money: Rs. 9300/- only, Time allowed: - One Month

Work No. 22:- Supplying, Installation Testing and Commissioning of Façade Lighting for Dev Sadan Building at Kullu District Kullu HP (SH: Providing balance work therein) Estimated Cost: Rs. 177005/-only, Earnest money: Rs. 3550/- only, Time allowed: - One Month

Work No. 23:- Supplying, installation, Testing and Commissioning of Facade Lighting for Dev Sadan Building in Kullu District Kullu HP (SH: Balance Work therein) Estimated Cost: Rs. 480000/-only, Earnest money: Rs. 9600/- only, Time allowed: - One Month

Work No. 24:- Providing Stage Lighting in Auditorium of Government Polytechnic Sunder Nagar District Mandi HP (Estimated Cost: Rs. 284830/-only, Earnest money: Rs. 5700/- only, Time allowed: - One Along with civil work

Work No. 25:- Supplying, Testing and Commissioning of Corded Microphone, I-pad, and WalkiTalki for Indoor Auditorium Kullu District Kullu HP Estimated Cost: Rs. 408516/-only, Earnest money: Rs. 8200/- only, Time allowed: - One Month

CERTIFICATE:-

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

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

NOTE:-

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

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

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

6795-6811

Dated: 15-12-23

Copy forwarded to the following for information please:-

1. The Engineer-in-Chief, HPPWD, Nirman Bhawan, Nigam Vihar Shimla-1.
2. The Deputy Commissioner, Mandi District – Mandi H.P
3. The Chief Engineer (Mandi Zone), HPPWD, Mandi.
4. The Superintending Engineer, 3rd Electrical Circle, HPPWD, Mandi HP
5. The Executive Engineer (IT) o/o Engineer-in-Chief, HPPWD, Shimla through email: cc-pwd-hp@nic.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.)

Job:- /				Estimated Cost:- Rs 1,52,090/-only	
				Earnest Money:- Rs. 3050/-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 E.I. accessories worn out switch, socket & light fixture in Medical College Block D & Hospital 4th Floor Block A,B therein)					
SN.	Description	Qty.	Rate in figure.	Rate in words Rupees	Unit Amount
1	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required complete in all respect as per entire satisfaction of the Engineer in Charge. Cable Make: PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.				
1.01	1x1.5 Sq.mm.	200 Metre	45.00	Rupees FortyFive Only	Per Metre 9000.00
1.02	2x4.0 Sq.mm.	200 Metre	98.00	Rupees NinetyEight Only	Per Metre 19600.00
1.03	2x6.0 Sq.mm.	50 Metre	216.00	Rupees Two Hundred Sixteen Only	Per Metre 10800.00
2	Supplying & fixing of G.I. modular boxes of following sizes along with modular base and cover plate for modular switches in recess as required complete in all respect as per entire satisfaction of engineer in charge.				
2.01	4 Module	50 Nos.	158.00	Rupees One Hundred FiftyEight Only	Each 7900.00
2.02	6 module	50 Nos.	182.00	Rupees One Hundred EightyTwo Only	Each 9100.00
3	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required complete in all respect as per entire satisfaction of engineer in charge. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).				
3.01	5/6 amps Modular switch	100 Nos.	103.00	Rupees One Hundred Three Only	Each 10300.00
3.02	3 pin 5/6 amps Modular socket outlet.	100 Nos.	122.00	Rupees One Hundred TwentyTwo Only	Each 12200.00
3.03	15/16 amps Modular switch	50 Nos.	156.00	Rupees One Hundred FiftySix Only	Each 7800.00
3.04	6 pin 15/16 amps Modular socket outlet.	50 Nos.	197.00	Rupees One Hundred NinetySeven Only	Each 9850.00
4	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, SSK	20 Nos.	131.00	Rupees One Hundred ThirtyOne Only	Each 2620.00

5	Supplying and fixing LED Lamp 9 watt Havells make of base cap B-22 having Cat No LHLDEUEEML8R009 6500 k in the existing Batten holder, Pendant holder, wall bracket as required complete in all respect. Make Havell's, Philips, Crompton etc.	20	Nos.	208.00	Rupees Two Hundred Eight Only	Each	4160.00
6	Providing and fixing of LED Tube Rod retrofit PL-L 4Pin with direct plug of 18 Watt, having Cat No. 18w/865 6500K of Make Philips in the existing tube fixture as required complete in all respects. Make Philips, Havell's, Crompton Greaves etc. as approved by Engineer-in-charge.						
6.01	LED Tube 18 W Rod	40	Nos.	633.00	Rupees Six Hundred Thirty Three Only	Each	25320.00
6.02	LED Tube 10 W Rod	40	Nos.	586.00	Rupees Five Hundred Eighty Six Only	Each	23440.00
	Ceiling Fan 1200 mm sweep						
	Total						152090.00

Draft Schedule of Quantity checked and approved for RS. 152090/- only.


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

Job-2		Estimated Cost:- Rs 275264/- only		Earnest Money:- Rs 5550/- only		Time - One Month	
Draft Schedule Of Quantity							
Name of Work:- Replacement Piano Type Switches to Modular Switches and main panel along with circuit wires in rest house Karsog Tehsil Karsog Distt Mandi Sh - Prov. E. therein							
Sr No	Description	Qty	Rate		Units	Amount	
			In figure	In words			
1.00	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with modular switch, modular plates, suitable G.I. box and earthing line light point with 1.5 Sq. mm. HRRFLS/PVC insulated single core copper conductor cable as required complete in all respect as per entire satisfaction of Engineer in-charge. PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI cable make.	4	Nos.	Rupees One Thousand Seven Hundred NinetySeven Only	Each	7186.00	
2.00	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respect as per entire satisfaction of engineer in charge. i) Single pole, Cat-A. MAKE :- LEGRAND / L&T / C&S / GE	20	Nos.	Rupees Two Hundred EightyFour Only	Each	5680.00	
3.00	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respect. i) Double pole Cat-A. Make : L&T / Legrand / ABB / SIEMENS.	5	Nos.	Rupees One Thousand Three Hundred TwentyFour Only	Each	6620.00	
4.00	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.	Rupees Two Thousand Two Hundred FortyFour Only	Each	4488.00	
5.00	Exhaust Fan, Light duty, 300 mm sweep Supplying & fixing LED Mirror Light 1 FEET TUBE 5 W 6500 K 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.	4	Nos.	Rupees Three Hundred SixtyEight Only	Each	1472.00	
6.00	Supplying and fixing indoor decorative LED batten with extruded aluminium powder coated housing & opal diffuser IP20 Asper Halonex Make price w e f Nov. 2017 Cat No HLB-08-10 - 1W Al 18W complete in all respect.	11	Nos.	Rupees Six Hundred Eight Only	Each	6688.00	
7.00	Providing & fixing surface LED Downlight 12Watt to enhance the delight of occupants with comfortable experience through its classic design & glare free illumination of Jaquar make as per Cat no. LNR001R012XC complete with Connection testing commissioning etc. as required complete in all respect.	7	Nos.	Rupees One Thousand Fifteen Only	Each	7105.00	
8.00	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 the Engineer in charge.						
8.01	6/6 amps 1-way Modular switch	32	Nos.	Rupees FiftyEight Only	Each	1856.00	
8.02	5/6 amps 2-way Modular switch	4	Nos.	Rupees EightySix Only	Each	344.00	
8.03	6/6 push Modular	4	Nos.	Rupees ThirtyTwo Only	Each	128.00	
8.04	15/16 amps 1-way Modular switch	8	Nos.	Rupees One Hundred Nine Only	Each	872.00	

8.05	6 pin 15/16 amps. Modular socket outlet.	8	Nos.	167.00	Rupees One Hundred SixtySeven Only	Each	1336.00
8.06	5 pin 5/6 amps. Modular socket outlet.	16	Nos.	116.00	Rupees One Hundred Sixteen Only	Each	1856.00
9.00	Supplying & fixing following size modular base and cover plate on the existing modular metal boxes as required complete in all respect as per entire satisfaction of the Engineer in charge.						
9.01	2 modules	5	Nos.	166.00	Rupees One Hundred SixtySix Only	Each	830.00
9.02	4 modules	5	Nos.	183.00	Rupees One Hundred EightyThree Only	Each	915.00
9.03	6 modules	8	Nos.	243.00	Rupees Two Hundred FortyThree Only	Each	1944.00
9.04	8 modules	4	Nos.	281.00	Rupees Two Hundred EightyOne Only	Each	1124.00
9.05	12 modules	1	No.	378.00	Rupees Three Hundred SeventyEight Only	Each	378.00
10.00	Supplying and fixing ceiling rose on the existing junction box / wooden block including connections etc. as required complete in all respect as per entire satisfaction of the Engineer in charge.	3	Nos.	22.00	Rupees TwentyTwo Only	Each	66.00
11.00	Wiring for circuit/sub-main with 2x1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No. 1.5 Sq. mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respect as per entire satisfaction of Engineer-in-charge. PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI cable make.	60	Metre	320.00	Rupees Three Hundred Twenty Only	Per Metre	19200.00
12.00	Wiring for circuit / sub-main with 2x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No. 4 Sq. mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respect as per entire satisfaction of Engineer-in-charge. PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI cable make.	45	Metre	435.00	Rupees Four Hundred ThirtyFive Only	Per Metre	19575.00
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 steel 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. PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI cable make.	30	Metre	701.00	Rupees Seven Hundred One Only	Per Metre	21030.00
14.00	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 Engineer-in-charge. PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI cable make.	40	Nos.	573.00	Rupees Five Hundred SeventyThree Only	Per Metre	22920.00
	2x6 Sq. mm						

15.00	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. PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI cable make.	35	Metre	98.00	Rupees NinetyEight Only	Per Metre	3430.00
15.01	3x1.5 sqmm	15	Metre	154.00	Rupees One Hundred FiftyFour Only	Per Metre	2310.00
15.02	6x1.5 sqmm	1	No.	75479.00	Rupees SeventyFive Thousand Four Hundred SeventyNine Only	Each	75479.00
16.00	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 platform 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 platform:- 1200mmx900 mm x250MM Deep Consisting MCCB125 Amps 1 No, MCCB 63 Amps 2 Nos, Mccb32 Amps 1 No, 1 No No, Change over Switch 125 Amps 1 No, copper Busbar 200Amps 1 No, 1 No Ammeter, Voltmeter, Indicating Lamp 3 No, Complete Connection Testing etc as required complete in all respect. Make : L&T / Legrand / ABB / SIEMENS.	2	Nos	15459.00	Rupees Fifteen Thousand Four Hundred FiftyNine Only	Each	30918.00
17.00	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of Non-return valve. Dead weight safety valve, 2 No C.P. connection rods 18" long making good the damaged electrical connections, safety valve connections, testing and commissioning etc as required complete in all respect as per entire satisfaction of Engineer- in-Charge. i) 35 Liter capacity water heater (Cat-A) Make:- Bajaj / Usha / Crompton.	10	Metre	1246.00	Rupees One Thousand Two Hundred FortySix Only	Per Metre	12460.00
18.00	Wiring for circuit / sub-main with 4x10 Sq. mm. PVC insulated heat resistant flame retardant (HFRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No 6 Sq. mm. (4x10+2x6) HFRF/SPVC insulated single core copper conductor cable for earthing as required complete in all respect as per entire satisfaction of Engineer- in-Charge. PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI cable make.						
19.00	Supplying and fixing of following way single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted including earthing etc as required complete in all respect. Make : L&T / Legrand / ABB / SIEMENS.						

	6	Nos.	2711 00	Rupees Two Thousand Seven Hundred Eleven Only	Each	16266 00
19 01 Double door-12 way						
19 02 Double door-4 way	1	No	1786 00	Rupees One Thousand Seven Hundred EightySix Only	Each	1786 00
	Total					275264 00
	Credit for dismental material					-1000 00
	Total					275264 00

Draft schedule of Quantity checked and approved for Rs. 275,264/- only

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

Draft schedule of Quantity checked and approved for Rs. 275,264/- only

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

Job: 3			Estimated Cost - Rs. 3,53,996/-only	
			Earnest Money - Rs. 7100/-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 Dist Mandi [HP] (Sh:- Replacement & maintenance of damaged E.I. accessories worn out switch, socket & light fixture in Nursing College, Medical College, Block C,D & Hospital Ground, 1st Floor 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 (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 the Engineer in Charge. Cable Make: PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CML.					
1.01	1x1.5 Sq mm.	200	58.00	Rupees FiftyEight Only	Per Metre	11600.00
1.02	1x4.0 Sq mm.	100	43.00	Rupees FourtyThree Only	Per Metre	4300.00
1.03	1x6.0 Sq mm.	50	58.00	Rupees FiftyEight Only	Per Metre	2900.00
1.04	1x10 Sq mm.	10	86.00	Rupees EightySix Only	Per Metre	860.00
2	Supplying & fixing of G.I. modular boxes of following sizes along with modular base and cover plate for modular switches in recess as required complete in all respect as per entire satisfaction of engineer in charge.					
2.01	3 Module	100	76.00	Rupees SeventySix Only	Each	7600.00
2.02	6 module	100	125.00	Rupees One Hundred TwentyFive Only	Each	12500.00
3	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required complete in all respect as per entire satisfaction of engineer in charge. Make : Legrand (Myrio) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).					
3.01	5/6 amps. 1-way Modular switch	200	58.00	Rupees FiftyEight Only	Each	11600.00
3.02	15/16 amps. 1-way Modular switch	200	109.00	Rupees One Hundred Nine Only	Each	21800.00
3.03	5 pin 5/6 amps. Modular socket outlet	200	116.00	Rupees One Hundred Sixteen Only	Each	23200.00
3.04	6 pin 15/16 amps. Modular socket outlet.	200	167.00	Rupees One Hundred SixtySeven Only	Each	33400.00
4	Providing and fixing of surface mounted Luminaire LED 20 Watt batten having high Quality design aluminium extruded decorative end caps and it should be compatible with specification i.e. Power Factor > 9, Harmonic Distortion <10%, and efficiency>100 Lumens per watt, CRI> 80 suitable for input voltage AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc as required Make > Philips(BN021LED25S6500PSU GRS1), Havell, Crompton or its equivalent as approved by Engineer-in-charge.	40	854.00	Rupees Eight Hundred FiftyFour Only	Each	34160.00

5	Supplying and fixing bakelite battent/angle holder including connections etc. as required complete in all respect as per entire satisfaction of engineer in charge Make :- Anchor , Cona , SSK	20	Nos	69.00	Rupees SixtyNine Only	Each	1360.00
6	Supplying and fixing LED Lamp 9 watt Havells make of base cap B- 22 having Cat No LHLDEUEEML8R009 6500 k in the existing Batten holder,Pendent holder, wall bracket as required complete in all respect Make Havell's, Philips, Crompton etc.	50	Nos.	208.00	Rupees Two Hundred Eight Only	Each	10400.00
7	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respect as per entire satisfaction of engineer in charge i) Single pole. Cat-A Make : L&T / Legrand / SIEMENS.	20	Nos.	217.00	Rupees Two Hundred Seventeen Only	Each	4340.00
8	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respect as per entire satisfaction of engineer in charge. i) Double pole. Cat-A Make : L&T / Legrand / SIEMENS.	5	Nos.	1138.00	Rupees One Thousand One Hundred ThirtyEight Only	Each	5690.00
9	Providing and fixing of LED Tube Rod retrofit PL-L 4Pin with direct plug of 18 Watt having Cat No. 18w/865 6500K of Make Philips in the existing tube fixture as required complete in all respects. Make Philips, Havell's, Crompton Greaves etc. as approved by Engineer-in-charge.						
9.01	LED Tube 18 W Rod	100	Nos	633.00	Rupees Six Hundred ThirtyThree Only	Each	63300.00
9.02	LED Tube 10 W Rod	100	Nos	586.00	Rupees Five Hundred EightySix Only	Each	58600.00
10	Providing, Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required complete in all respect as per entire satisfaction of Engineer-in- Charge Make : Usha / Bajaj / Anchor Panasonic.	20	Nos.	2318.00	Rupees Two thousand four hundred sixty eight only	Each	46360.00
	Ceiling Fan 1200 mm sweep						
	Total						353990.00

Draft Schedule of Quantity checked and approved for R.S. 353990/- only.


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

Job- 4							Estimated Cost :- Rs.3,93,991/- Only
							Earnest Money :- Rs.7900/- Only
							Time :- Along with civil work.
Draft Schedule Of Quantity							
Name Of Work :- C/o Guest House in the premises of Govt. Polytechnic Sunder Nagar Distt. Mandi H.P (SH:- Providing balance work therein.)							
Sr. No	Description	Qty.	In figure	Rate In words	Units	Amount	
1	Providing & fixing LED Down Lighter green perform sleek is a light performance of 15 watt having Cat No. DN 296 B LED 15 S-6500 PSU WH of Phillips of its equivalent make complete in all respect as required complete in all respect.	33	2725.00	Rupees Two Thousand Seven Hundred TwentyFive Only	Each	89925.00	
2	Providing fixing LED Down lighter green perform sleek is a high performance of 8 watt having cat no. DN 295 B LED 8S-6500 PSU WH of Phillips or its equivalent make complete in all respect as required complete in all respect.	46	1689.00	Rupees One Thousand Six Hundred EightyNine Only	Each	77694.00	
3	Supplying & Fixing indoor decorative LED batten with extruded aluminium powder coated housing & opal diffuser IP20 as per Halonex make price list w e f Nov 2017 Cat No. HLB-08-10-cw-AI 18W complete in all respect.	1	2757.00	Rupees Two Thousand Seven Hundred FiftySeven Only	Each	2757.00	
4	Providing & fixing mirror light of 7 watt LED white in colour having model No. 31092/31 of Phillips of its equivalent make complete in all respect as required complete in all respect.	13	609.00	Rupees Six Hundred Nine Only	Each	7917.00	
5	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 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 power painted, including earthing etc. as required complete in all respect.	3	6322.00	Rupees Six Thousand Three Hundred TwentyTwo Only	Each	18966.00	
6	Double door-8 way (8+24) Jhazantial type 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.	3	2448.00	Rupees Two Thousand Four Hundred FortyEight Only	Each	7344.00	
	Triple pole & Neutral Cat-B						
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. of the required size complete in all respect. Armoured cables 50 sq. mm (3.5 core)	100	513.00	Rupees Five Hundred Thirteen Only	Per Metre	51300.00	
8	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required complete in all respect. 3x1.5 Sq. mm	35	98.00	Rupees NinetyEight Only	Per Metre	3430.00	
9	Providing and fixing Post Top Lentrn steel wire guard protection cage along with suitable paint as required complete in all respect	2	2200.00	Rupees Two Thousand Two Hundred Only	Each	4400.00	
10	Providing and fixing LED Post top lantern of make having cat no LUX max -PT-172 of 25 watt complete in all respect with connective, testing and commissioning etc as required.	2	15930.00	Rupees Fifteen Thousand Nine Hundred Thirty Only	Each	31860.00	

11	Providing and fixing Bedside light of 3 watt LED white in colour having model No. 48042/30/31 of Philips or its equivalent make complete in all respect as required.	12	Nos	1771.00	Rupees One Thousand Seven Hundred SeventyOne Only	Each	21252.00
12	Providing and Fixing, blanking plate in the existing MCBDB complete as required complete in all respect.	34	Nos.	28.00	Rupees TwentyEight Only	Each	952.00
13	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 saggregated manner for housing of switch fuse unit by welding each compartment on five side & front side hinged, complete with locking arrangement, with sufficient Nos. vertical and horizontal intermediate switch gear 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 X1000mmX450mm deep (nominal) including MCCB 125amps = 1 No. MCCB 63 amps = 4 Nos. Bus Bar 200 amps =0.8 Mtrs. metering set, CT coil and internal control wiring etc. as required complete in all respect	1	No.	76194.00	Rupees SeventySix Thousand One Hundred NinetyFour Only	Each	76194.00
Total							393991.00

Draft Schedule of quantity checked and approved for Rs. 393,991/- only.

Executive Engineer,
Electrical division
HPCL Mandla

Job: 5		Estimated cost - Rs.442478/- only				
		Earnest money - Rs.8850/- only				
		Time:- 2 months				
Draft Schedule of Quantity						
Name of Work :- C/O Deputy Director Treasury Office Cum Residence at Khaliyar Dist. Mandi (HP), SHI -Providing AC's & Balance EI work 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,Lyyod,LG	4	Nos	98092.00 Rupees NinetyEight Thousand Ninety Two Only	Each	392368.00
2.00	Providing, Installation, testing and commissioning of ceiling fan with modular regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0 20 mm twin core flexible, FRLS pvc, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc as required complete in all respect Make:- Bajaj, Usha, Crompton Greeves	10	Nos	5011.00 Rupees Five Thousand Eleven Only	Each	50110.00
	Ceiling Fan 1200 mm sweep, 5 star					
	TOTAL			TOTAL		442478.00

Draft schedule of quantity checked and approved for Rs. 4,42,478/- only.

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

Job- 6	Estimated cost Rs. 129013/-only					
	Earnest Money Rs. 2600/-only.					
	Time :- Along with civil work.					
Draft Schedule Of Quantity						
Name Of Work-C/o Health Sub Centre Building at Parlog Tesil Karsog Distt Mandi(SH-Prov. E.I. therein)						
S.N.	Description	Quantity	Rate in figure.	Rate in words.	Unit	Amount.
1.00	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect as per entire satisfaction of the Engineer in charge. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	12 Nos.	842.00	Rupees Eight Hundred FourtyTwo Only	Each	10104.00
1.01	Group B	13 Nos.	1234.00	Rupees One Thousand Two Hundred ThirtyFour Only	Each	16042.00
1.02	Group c	6 Nos.	484.00	Rupees Four Hundred EightyFour Only	Each	2904.00
2.00	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	6 Nos.	607.00	Rupees Six Hundred Seven Only	Each	3642.00
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 as per entire satisfaction of Engineer- in- Charge. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	4 Nos.	2645.00	Rupees Two Thousand Six Hundred FourtyFive Only	Each	10580.00
4.00	Providing, Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required complete in all respect as per entire satisfaction of the Engineer in charge Make : Usha / Bajaj / Anchor Panasonic/Hevelis	2 Nos.	2188.00	Rupees Two Thousand One Hundred EightyEight Only	Each	4376.00
5.00	Ceiling Fan 1200 mm. 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 requiredProviding, 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 the Engineer in charge Make : Usha / Bajaj / Anchor Panasonic/Hevelis					
	Exhaust Fan, Light duty, 300 mm sweep					

6.00	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	6	Nos.	646.00	Rupees Six Hundred FortySix Only	Each	3876.00
7.00	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, ESS KAY	4	Nos.	80.00	Rupees Eighty Only	Each	320.00
8.00	Supplying and fixing of fancy wall bracket containing thread type CFL lamp holder (s) of all sizes and shapes, complete with all accessories but excluding CFL lamp including making connections, testing etc. as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / K-lite / (Twinkle) Lux Max / Jaquar.	3	Nos.	1442.00	Rupees One Thousand Four Hundred FourtyTwo Only	Each	4326.00
9.00	Fixed type wall bracket 150 dia, single lamp (Category-A) Supplying and fixing of bulk head fitting of all sizes and shapes, containing one No. thread type CFL lamp holder (s), complete with all accessories but excluding CFL lamp including making connections, testing etc. as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / K-lite / (Twinkle) Lux Max / Jaquar.	2	Nos.	1386.00	Rupees One Thousand Three Hundred EightySix Only	Each	2772.00
10.00	Bulk head fitting, CFL type (Category-A) 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, SSK	2	Nos.	281.00	Rupees Two Hundred EightyOne Only	Each	562.00
11.00	P/E LED Street light Fitting with cast aluminium body toughened glass and high power LEDs With Lenses complete with connections testing etc. complete in all respect as per entire satisfaction of the Engineer in charge.	2	Nos.	2757.00	Rupees Two Thousand Seven Hundred FiftySeven Only	Each	5514.00
12.00	Supplying and erection of street light bracket made of G.I. pipe 'A' class of suitable length and dia, the pipe banded to give an angle of 100 to 110 degree fitted with bolt & nuts at the top of existing pole or wall including painting the pipe with two coats of approved paint over priming coat complete in all respects as required complete in all respect as per entire satisfaction of the Engineer in charge.	2	Nos.	567.00	Rupees Five Hundred SixtySeven Only	Each	1134.00
13.00	32 mm dia. G.I. pipe, heavy class Wiring for light plug with 2x1.5 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 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 the Engineer in charge. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	50	Metre	215.00	Rupees Two Hundred Fifteen Only	Per Metre	10750.00
14.00	Wiring for power plug with 2x4 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 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 the Engineer in charge. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	45	Metre	329.00	Rupees Three Hundred TwentyNine Only	Per Metre	14805.00

15.00	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 the Engineer in charge. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	25	Metre	556.00	Rupees Five Hundred FiftySix Only	Per Metre	13900.00
16.00	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 the Engineer in charge. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	10	Metre	98.00	Rupees NinetyEight Only	Per Metre	980.00
17.00	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 the Engineer in charge. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	6	Metre	454.00	Rupees Four Hundred FiftyFour Only	Per Metre	2724.00
18.00	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 as per entire satisfaction of the Engineer in charge. L&T, GE,C&S,Standard make.	10	Nos.	269.00	Rupees Two Hundred SixtyNine Only	Each	2690.00
19.00	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 as per entire satisfaction of the Engineer in charge. L&T, GE,C&S,Standard make.	2	Nos.	1236.00	Rupees One Thousand Two Hundred ThirtySix Only	Each	2472.00
20.00	Double pole. Cat-A. Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required complete in all respect as per entire satisfaction of the Engineer in charge. L&T, GE,C&S,Standard make.	2	Nos.	2302.00	Rupees Two Thousand Three Hundred Two Only	Each	4604.00
21.00	ii) 63 Amp 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-sel, 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 the Engineer in charge. Make MDS, Legrand, L&T, Hager, ABB, Siemens.						
21.01	Double door-8 way	1	No.	1754.00	Rupees One Thousand Seven Hundred FiftyFour Only	Each	1754.00
21.02	Double door-12 way	1	No.	2693.00	Rupees Two Thousand Six Hundred NinetyThree Only	Each	2693.00

22.00	Earthing with G.I. earth pipe 4.5 mtr. long and 40mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required complete in all respect as per entire satisfaction of the Engineer in charge	1	Set	3483.00	Rupees Three Thousand Four Hundred Eighty Three Only	Per Set	3483.00
23.00	Extra for using salt and charcoal for pipe earth electrode complete as required complete in all respect as per entire satisfaction of the Engineer in charge.	1	Set	1256.00	Rupees One Thousand Two Hundred Fifty Six Only	Per Set	1256.00
24.00	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 the Engineer in charge.	30	Metre	25.00	Rupees Twenty Five Only	Per Metre	750.00
TOTAL							129013.00

*Schedule of quantity checked and approved
for Rs. 1,29,013/- only.*

Executive Engineer,
Electrical division,
HPBMD Mandi.

Job- 7		Estimated Cost - Rs. 196367/ Only		Earnest Money - Rs.3950 /- Only		Time :- Allotting with civil work.	
DRAFT SCHEDULE OF QUANTITY							
NAME OF WORK:- C/o Veterinary Hospital Building at Jachh Tehsil-Chachiot, District-Mandi HP SH.-Providing E.I. there in.)							
S No.	Description	Qty.	Rate		Unit	Amount	
			In Figure	In Words			
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required..complete in all respect Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	41	1318.00	Rupees One Thousand Three Hundred Eighteen Only	Each	54038.00	
2	Group C. Supplying and fixing G.I. Modular box of suitable size with modular plate and cover in recess including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required complete in all respect as per entire satisfaction of Engineer-in-Charge. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	7	494.00	Rupees Four Hundred NinetyFour Only	Each	3458.00	
3	Supplying and fixing G.I. Modular box of suitable size with modular plate and cover in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required complete in all respect as per entire satisfaction of Engineer-in-Charge. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	6	616.00	Rupees Six Hundred Sixteen Only	Each	3696.00	
4	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in 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.						
i)	2x1.5 Sq. mm.	90	215.00	Rupees Two Hundred Fifteen Only	Per Metre	19350.00	
ii)	2x4.0 Sq. mm.	80	329.00	Rupees Three Hundred TwentyNine Only	Per Metre	26320.00	
iii)	2x10 Sq. mm.	8	603.00	Rupees Six Hundred Three Only	Per Metre	4824.00	
5	Wiring for circuit / sub-main with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 2 No. 4 Sq.mm. (4X4+2X4)HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respect Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	10	556.00	Rupees Five Hundred FiftySix Only	Per Metre	5560.00	

6	Supplying and erection of 6 amps to 32 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respect. Make : L&T / Legrand / Siemens.	14	Nos	384.00	Rupees Two Hundred EightyFour Only	Each	3976.00
7	Single pole, Cat-A. Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respect. Make : L&T / Legrand / Siemens..	2	Nos.	1324.00	Rupees One Thousand Three Hundred TwentyFour Only	Each	2648.00
8	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.	12	Nos.	2711.00	Rupees Two Thousand Seven Hundred Eleven Only	Each	5422.00
9	Double door-12 way 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.	1	Set	17086.00	Rupees Seventeen Thousand EightySix Only	Per Set	17086.00
10	Extra for using salt and charcoal for pipe earth electrode complete as required complete in all respect	1	Set	2169.00	Rupees Two Thousand One Hundred SixtyNine Only	Per Set	2169.00
11	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.	20	Metre	170.00	Rupees One Hundred Seventy Only	Per Metre	3400.00
12	Providing, Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0 20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required complete in all respect. Make : Usha / Bajaj / Anchor Panasonic.						
i)	Ceiling fan 1200 mm sweep (Category -A)	3	Nos	2655.00	Rupees Two Thousand Six Hundred FiftyFive Only	Each	7965.00
ii)	Ceiling fan 1400 mm sweep (Category -A)	5	Nos	2862.00	Rupees Two Thousand Eight Hundred SixtyTwo Only	Each	14310.00
13	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required complete in all respect. Make: Bajaj , Usha, Anchor	3	Nos	2244.00	Rupees Two Thousand Two Hundred FourtyFour Only	Each	6732.00
14	Exhaust Fan, Light duty, (Domestic) 300 mm sweep Supplying and fixing bakelite batten/angle holder including connections etc. as required Complete in all respect. Make: ANCHOR , CONA , ESS ESS KAY .	4	Nos.	88.00	Rupees EightyEight Only	Each	352.00
15	Supplying and fixing LED Bulbe 9 watt of as required complete with connection, testing commissioning etc. as required complete in all respect. Make : Wipro / Bajaj / Phillips / (Twinkle) Luminairs / Jaquar / Anchor panasonic .	4	Nos	197.00	Rupees One Hundred NinetySeven Only	Each	788.00

16	Supplying & fixing Decorative ultra slim aluminium LED TUBE 22 W LED 6500 K LHEXACP7N1S022, 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 / Philips / Jaquar / (Twinkle) Lux Max.	6	Nos	608.00	Rupees Six Hundred Eight Only	Each	3648.00
17	Supplying and Fixing LED Street Light 25 Watt LED made up of pressure die cast aluminium housing with high power LED as lighting source and lens embedded PC Cover having TOP OPENING separate driver compartment with IP 66 protection and impact resistance of IK 07 luminaire complete with connection testing commissioning etc as required complete in all respect. Make:- Wipro / Bajaj / Philips / Jaquar / (Twinkle) Luminaires / Anchor Panasonic.	1	No.	2544.00	Rupees Two Thousand Five Hundred FortyFour Only	Each	2544.00
18	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 :- ESS ESS KAY / Cona / Anchor	1	No.	281.00	Rupees Two Hundred EightyOne Only	Each	281.00
19	Providing and fixing LED Recess mounted 2x2 36 watt Square pannel with aluminium die cast housing of superior quality complete with Connection testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Philips / Jaquar / (Twinkle) Lux Max.	2	Nos	3900.00	Rupees Three Thousand Nine Hundred Only	Each	7800.00
Total							196367.00

*Draft schedule of quantity checked and approved
for Rs. 196367/- only.*

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

Job-							Estimated cost :- Rs.421817/-only. Earnest Money :- Rs.8450/-only. Time :- Along with civil work.
Draft Schedule Of Quantity							
Name of work - C/o Veterinary Hospital at Maloh tehsil Sunder Nagar Distt Mandi (H.P) SH -Prov -E.I therein							
S.N.	Description	Quantity	Rate in figure.	Rate in words	Unit	Amount	
1.00	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with modular switch plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm HRFRLS/ PVC insulated single core copper conductor cable as required complete in all respect. as per entire satisfaction of engineer in charge. i) Group C MAKE: FINOLEX / PLAZA / RR / UNITECH / BENTION / KEI.	47 Nos.	1797.00	Rupees One Thousand Seven Hundred NinetySeven Only	Each	84459.00	
2.00	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).	12 Nos.	494.00	Rupees Four Hundred NinetyFour Only	Each	5928.00	
3.00	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).	11 Nos.	616.00	Rupees Six Hundred Sixteen Only	Each	6776.00	
4.00	Providing, Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required complete in all respect i) Ceiling Fan 1200 mm sweep, Category-A Make: Bajaj , Usha, Anchor Panasonic.	9 Nos.	2655.00	Rupees Two Thousand Six Hundred FiftyFive Only	Each	23895.00	
5.00	Providing and installation of exhaust fan of following sizes in the existing opening. including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required complete in all respect. i) Exhaust Fan, Light duty, (Domestic) 300 mm sweep Make: Bajaj , Usha, Anchor Panasonic.	4 Nos.	2244.00	Rupees Two Thousand Two Hundred FourtyFour Only	Each	8976.00	
6.00	Providing and fixing LED Surface / recess / pendant 1x1 20 watt Square panel with aluminium die cast housing of superior quality complete with Connection,testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max .	5 Nos.	2523.00	Rupees Two Thousand Five Hundred TwentyThree Only	Each	12615.00	

7.00	Supplying & fixing 36 Watt Surface mounted LED panel made from extruded aluminium housing(surface)2ft x2ft complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects as per entire satisfaction of Engineer-in- Charge. Make:- Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Luminaires .	10	Nos.	4155.00	Rupees Four Thousand One Hundred FiftyFive Only	Each	41550.00
8.00	Providing and fixing Glazed LED 40 watt Batten High quality design aluminium extruded with decorative end caps complete with Connection,testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Clair / Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max .	5	Nos.	2904.00	Rupees Two Thousand Nine Hundred Four Only	Each	14520.00
9.00	Supplying and fixing bakelite batten/angle holder including connections etc. as required complete in all respect. Make:- Anchor , Cona , SSK	2	Nos.	88.00	Rupees EightyEight Only	Each	176.00
10.00	Supplying and fixing surface type LED Downlighter 12 watt to enhance the delight of occupants with comfort experience through its classic design & glare free illumination of Jaguar make as per cat No. LNR001R012XC complete with connection, testing and commissioning etc. as required complete in all respect. Make:- Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Luminaires .	7	Nos.	1090.00	Rupees One Thousand Ninety Only	Each	7630.00
11.00	Supplying and fixing Ding-Dong /Electronic musical bell, suitable for D.C./A.C. single phase 230 volts complete as required complete in all respect. Make:- Anchor , Cona , SSK	2	Nos.	281.00	Rupees Two Hundred EightyOne Only	Each	562.00
12.00	Supplying and fixing LED street light 30 watt LED made up of pressure die cast aluminium housing with high power LED as lighting source and lence embedded PC cover having top opening separate driver complete with IP66 protection and impact resistance of luminair complete with connection, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge Make :- Wipro , Jaquare, Bajaj, Philips etc.	4	Nos.	3169.00	Rupees Three Thousand One Hundred SixtyNine Only	Each	12676.00
13.00	Supplying and fixing 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 respects and to the best satisfaction of Engineer-in-charge.	4	Nos.	567.00	Rupees Five Hundred SixtySeven Only	Each	2268.00
14.00	32 mm dia G.I. pipe , heavy class Providing and erection of 6 amps. To amps. To 32 amps rating , 10 KA breaking capacity, 240 volts , C, Curveas, miniature circuit breaker of following poles in the existing MCB DB complete with connections esc. as requird complete in all respect. Make : L&T / Legrand / SIEMENS.	18	Nos.	284.00	Rupees Two Hundred EightyFour Only	Each	5112.00
15.00	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respect. Make : L&T / Legrand / SIEMENS.	3	Nos.	1324.00	Rupees One Thousand Three Hundred TwentyFour Only	Each	3972.00

16.00	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required complete in all respect. Make : L&T / Legrand / SIEMENS.	3	Nos	3935.00	Rupees Three Thousand Nine Hundred ThirtyFive Only	Each	11805.00
17.00	ii) 63 Amp 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.	3	Nos	2711.00	Rupees Two Thousand Seven Hundred Eleven Only	Each	8133.00
18.00	Double door-12 way Earthing with copper earth plate 600 mmx600 mmx 3 mm thick, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required complete in all respect.	2	Set	17126.00	Rupees Seventeen Thousand One Hundred TwentySix Only	Per Set	34252.00
19.00	Extra for using salt and charcoal for G.I. or copper plate earth electrode complete as required complete in all respect.	2	Set	2169.00	Rupees Two Thousand One Hundred SixtyNine Only	Per Set	4338.00
20.00	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.	25	Metre	167.00	Rupees One Hundred SixtySeven Only	Per Metre	4175.00
21.00	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.HRFR/LS/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:- FINOLEX / PLAZA / RR / UNITECH / BENTION / KEI.	105	Metre	320.00	Rupees Three Hundred Twenty Only	Per Metre	33600.00
21.01	2x1.5 Sq. mm.	70	Metre	435.00	Rupees Four Hundred ThirtyFive Only	Per Metre	30450.00
21.02	2x4 Sq. mm.	20	Metre	739.00	Rupees Seven Hundred ThirtyNine Only	Per Metre	14780.00
21.03	2x10 Sq. mm.	50	Metre	701.00	Rupees Seven Hundred One Only	Per Metre	35050.00
22.00	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 steel conduit along with 2 No.4 Sq.mm. HRFR/LS/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.						

23.00	Wiring for circuit / sub-main with 4x10 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.10 Sq.mm. (4x10+2x10) HFRLS/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 / BENTON / KEI.	5	Metre	1275.00	Rupees One Thousand Two Hundred SeventyFive Only	Per Metre	6375.00
24.00	Supplying and fixing sheet metal bus-bar chamber suitable for 63 Amp. 415 volts capacity with 4 No. copper strip bus-bars each of length 300mm & cross-sectional area (16mmx3.17mm). Enclosure made from 1.6 mm thick M.S sheet having overall dimensions (380mm x 350mmx150mm) nominal with all accessories including connections, earthing the body etc. as required complete in all respect. as per entire satisfaction of engineer in charge. Make : L&T / Legrand / ABB / SIEMENS.	1	No.	3318.00	Rupees Three Thousand Three Hundred Eighteen Only	Each	3318.00
25.00	Providing and fixing TP&N switch disconnector fuse unit cubical type 415/500 volts with 3 No. HBC/HRC fuses, in steel steel enclosure including drilling holes on the board, connections, earthing the body etc. As required complete in all respect. as per entire satisfaction of engineer in charge. i) 32 Amp. Category-A Make : L&T / Legrand / ABB / SIEMENS.	1	No.	4426.00	Rupees Four Thousand Four Hundred TwentySix Only	Each	4426.00
	Total						421817.00

*Draft Schedule of Quantity checked
and approved for Rs. 4,21,817/- only*

Executive Engineer,
Electrical Division,
HPPWD-Mandya

Job- 9

Estimated Cost :- Rs.414659/- Only
 Earnest Money :- Rs. 8300/- Only
 Time :- Along with civil work.

DRAFT SCHEDULE OF QUANTITY

Name of Work:- C/O Shaheed Samarak at Ram Bagh Akhara Bazar, Kullu Distt. Kullu.(HP){SH:- Prov. E.I. there in}

S.No.	Description	Qty.	In Figure	Rate In Words	Unit	Amount
1.00	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required complete in all respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	200	98.00	Rupees NinetyEight Only	Per Metre	19600.00
1.01	3x1.5 Sq. mm.	30	517.00	Rupees Five Hundred Seventeen Only	Per Metre	15510.00
1.02	3x10.0 sq mm	2	304.00	Rupees Three Hundred Four Only	Each	608.00
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 respect Make- ESS KAY / CONA /ANCHOR.	4	281.00	Rupees Two Hundred EightyOne Only	Per Metre	1124.00
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.	1	2900.00	Rupees Two Thousand Nine Hundred Only	Each	2900.00
4.00	Single pole 10 Amp. Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamps in the existing MCB DB complete with connections, testing and commissioning etc. as required complete in all respects per entire satisfaction of the Engineer in charge Make : L&T / Legrand / Siemens.	1	1320.00	Rupees One Thousand Three Hundred Twenty Only	Each	1320.00
5.00	40 Amps.(Category-A) Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respects per entire satisfaction of the Engineer in charge. Make : L&T / Legrand / Siemens.	1				
	Double pole.(Category-A)					

6.00	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	2193.00	Rupees Two Thousand One Hundred NinetyThree Only	Each	2193.00
7.00	Double door-8way Supplying and fixing of following sizes of PVC conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required complete in all respect Make : AKG/ BEC / NIC/ Diplast.	100	Metre	127.00	Rupees One Hundred TwentySeven Only	Per Metre	12700.00
8.00	25 mm. dia Supplying & fixing 70W 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.	2	Nos	7441.00	Rupees Seven Thousand Four Hundred FortyOne Only	Each	14882.00
9.00	LED Flood light 70W 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.	6	Nos.	4343.00	Rupees Four Thousand Three Hundred FourtyThree Only	Each	26058.00
10.00	LED Up Down light 2x3W Supplying & fixing neptune Bollard/Path light made of extruded alum. Profiles with cast alum. base Opal P.C. diffusers having length 365mm mm complete with all accessories but excluding LED lamp including making connections, testing etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	4	Nos.	6765.00	Rupees Six Thousand Seven Hundred SixtyFive Only	Each	27060.00
11.00	Supplying & fixing 12W Impact LED Bollard made with extruded alum. profiles die cast alum base having length 500mm complete with all accessories including making connections, testing etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	6	Nos.	8850.00	Rupees Eight Thousand Eight Hundred Fifty Only	Each	53100.00
12.00	Supplying & fixing 12W Impact LED Bollard made with extruded alum. profiles die cast alum base having length 800mm complete with all accessories including making connections, testing etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	12	Nos.	9639.00	Rupees Nine Thousand Six Hundred ThirtyNine Only	Each	115668.00
13.00	Supplying & fixing LED Strip light 12W/Per meter power consumption , complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	100	Nos.	554.00	Rupees Five Hundred FiftyFour Only	Each	55400.00

14.00	Supplying and fixing LED splash surface spike light 12 watt LSPK05R112SW complete with all accessories but excluding LED lamp including making connections, testing etc. as required complete in all respects. Make- Lustre, or any other approved by Engineer-in-Charge.	8	Nos.	8317.00	Rupees Eight Thousand Three Hundred Seventeen Only	Each	66536.00
Total							414659.00

Draft schedule of quantity checked and approved for Rs. 4,14,659/- only

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

Job- 16							Estimated Cost - Rs.250373/- Only Earnest Money - Rs. 5050 /- Only Time :- One Month.
DRAFT SCHEDULE OF QUANTITY							
Name of work :- Repair and maintenance of N/R building section Banjar under Electrical Sub. Division HP PWD Kullu Distt. Kullu (HP)							
S No.	Description	Qty.	In Figure	Rate In Words	Unit	Amount	
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 as per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.						
1.01	3x1.5 Sq. mm.	112	Metre	Rupees NinetyEight Only	Per Metre	10976.00	
1.02	3x4.0 sq mm	30	Metre	Rupees Two Hundred Twenty Only	Per Metre	6600.00	
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 6 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc. as required complete in all respect Make- ESS ESS KAY / CONA / ANCHOR.	22	Nos	Rupees Four Hundred EightyNine Only	Each	10758.00	
3.00	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.						
	Exhaust Fan, Light duty, (Domestic) 300 mm sweep	13	Nos	Rupees Two Thousand Two Hundred FortyFour Only	Each	29172.00	
4.00	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.	21	Nos	Rupees Eight Hundred Ten Only	Each	17010.00	
5.00	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.	3	Nos	Rupees One Thousand Four Hundred SeventyFour Only	Each	4422.00	
6.00	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	Rupees Two Thousand Six Hundred FiftyFive Only	Each	13275.00	
	Ceiling Fan 1200 mm sweep						

7.00	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.	29	Nos	284.00	Rupees Two Hundred EightyFour Only	Each	8236.00
8.00	Single pole 10 Amp.+20 amp Cat-A. Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respects per entire satisfaction of the Engineer in charge. Make : L&T / Legrand / Siemens.	9	No	1324.00	Rupees One Thousand Three Hundred TwentyFour Only	Each	11916.00
9.00	Double pole (Category-A) Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of 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 : Racold / Bajaj / Usha.	5	Nos	13769.00	Rupees Thirteen Thousand Seven Hundred SixtyNine Only	Each	68845.00
10.00	25 Liter capacity water heater (Cat-A) Supplying and fixing call bell Ding dong, suitable for D.C./A.C. single phase 230 volts complete as required complete in all respect. Make: ANCHOR, CONA, ESS ESS KAY.	5	No	281.00	Rupees Two Hundred EightyOne Only	Each	1405.00
11.00	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:Bajaj/Siska/Jaquar/Philips	10	No	499.00	Rupees Four Hundred NinetyNine Only	Each	4990.00
12.00	Supplying and fixing of following sizes of PVC conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required complete in all respect. Make : AKG/ BEC / NIC/ Diplast.	90	Metre	130.00	Rupees One Hundred Thirty Only	Per Metre	11700.00
13.00	25 mm. dia 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, Jaquar, Bajaj, Philips etc.	6	Nos	3847.00	Rupees Three Thousand Eight Hundred FortySeven Only	Each	23082.00
14.00	Supplying & fixing 36 Watt Surface mounted LED panel made from extruded aluminium housing/surface) 2ft x2ft complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make:Bajaj/Siska/Jaquar/Philips	5	Nos	4608.00	Rupees Four Thousand Six Hundred Eight Only	Each	23040.00

15.00	Supplying & fixing one way bell indicator with light indicator and bell buzzer, complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	22	Nos	293.00	Rupees Two Hundred Ninety Three Only	Each	6446.00
	Bell Indicator one way						
	Total						251873.00
	Less credit for dismantelled material						1500.00
	Total						250373.00

*Draft schedule of quantity
checked and approved
for Rs. 2,50,373/- only*

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

Job- 11	Estimated Cost- Rs. 499333/- only	Earnest Money- Rs. 10000/- only	Time:- One Month.		
Draft Schedule Of Quantity					
Name of work:- C/o Combined Office Building at Padhar Distt Mandi HP (SH:- Prov E.I. balance work)					
Sr. No.	Description	Qty.	Rate	Units	Amount
			In figure	In words	
1.00	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	30 Nos	1797.00	Rupees One Thousand Seven Hundred NinetySeven Only	Each 53910.00
2.00	Group C Supplying and fixing G.I. Modular box of suitable size with modular plate and cover in front on surface or in recess including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps. modular switch, connections etc. as required as per entire satisfaction of Engineer- in- Charge Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	18 Nos	494.00	Rupees Four Hundred NinetyFour Only	Each 8892.00
3.00	Supplying and fixing G.I. Modular box of suitable size with modular plate and cover in front on surface or in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required as per entire satisfaction of Engineer- in- Charge Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	15 Nos	616.00	Rupees Six Hundred Sixteen Only	Each 9240.00
4.00	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)	15 Nos	1079.00	Rupees One Thousand SeventyNine Only	Each 16185.00
5.00	Supplying and fixing Modular RJ-45 for Cat-6 cable including connections etc. as required as per entire satisfaction of Engineer- in- Charge	15 Nos	588.00	Rupees Five Hundred EightyEight Only	Each 8820.00
6.00	Supplying and laying of Cat-6 cable of approved make as required complete in all respects and as directed by the Engineer in charge	750 Metre	93.00	Rupees NinetyThree Only	Per Metre 68750.00
7.00	Supply and erection of 6 U wall mount rack, lnted Toughened Glass Door, High quality fan of high cool brand, high quality PDU Make - APW/comrack/Dlink	8 Nos	8900.00	Rupees Eight Thousand Nine Hundred Only	Each 71200.00
8.00	Providing and fixing of 8 port 100 MBPS manage ethernet switch complete with connections testing commissioning as required complete in all respects.	8 Nos	1593.00	Rupees One Thousand Five Hundred NinetyThree Only	Each 12744.00
9.00	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.	12 Nos	3900.00	Rupees Three Thousand Nine Hundred Only	Each 46800.00

10.00	Supplying & fixing DOWN LIGHT 12W Recess 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. Makes:-Jaquar NEVE PLUS RECESS ROUND/ SQUARE(Cat no LNEP01R012XC / LNEP01S012XC) / C&S/Crompton/bajaj or Equivalent make.	5	Nos	995.00	Rupees Nine Hundred NinetyFive Only	Each	4975.00
11.00	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 and to the best satisfaction of Engineer-in-charge Make : L&T / Legrand / Siemens.	25	Nos	284.00	Rupees Two Hundred EightyFour Only	Each	7100.00
12.00	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 respects and to the best satisfaction of Engineer-in-charge Make : L&T / Legrand / Siemens.	3	Nos.	1324.00	Rupees One Thousand Three Hundred TwentyFour Only	Each	3972.00
13.00	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, 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. Make : L&T / Legrand / Siemens.	3	Nos.	2711.00	Rupees Two Thousand Seven Hundred Eleven Only	Each	8133.00
14.00	Double door-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 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 Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	85	Metre	320.00	Rupees Three Hundred Twenty Only	Per Metre	27200.00
14.01	2x1.5 Sq mm	80	Metre	373.00	Rupees Three Hundred SeventyThree Only	Per Metre	29840.00
14.02	2x2.5 Sq mm	80	Metre	435.00	Rupees Four Hundred ThirtyFive Only	Per Metre	34800.00
14.03	2x4.0 Sq mm	20	Metre	701.00	Rupees Seven Hundred One Only	Per Metre	14020.00
15.00	Wiring for circuit / sub-main with 4x4 Sq mm PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No 4 Sq mm. (4X4+2X4)HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respect Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	18	Metre	1275.00	Rupees One Thousand Two Hundred SeventyFive Only	Per Metre	22950.00
16.00	Wiring for circuit / sub-main with 4x10 Sq mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No 6 Sq mm. (4x10+2x6) HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respect Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.						

17.00	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required complete in all respect Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	50	Metre	98.00	Rupees NinetyEight Only	Per Metre	4900.00
18.00	3x1.5 Sq. mm. 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 as required complete in all respect as per entire satisfaction of Engineer- in- Charge Make : Usha / Bajaj / Anchor	14	Nos	2655.00	Rupees Two Thousand Six Hundred FiftyFive Only	Each	37170.00
19.00	Ceiling Fan 1200 mm sweep, Category-A. Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Usha / Bajaj / Anchor Panasonic.	3	Nos	2244.00	Rupees Two Thousand Two Hundred FourtyFour Only	Each	6732.00
	Exhaust Fan, Light duty, (Domestic) 300mm sweep.						
	Total:-						499333.00

Draft schedule of Quantity checked and approved for RS. 4,99,333/- only

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

[Signature]

Job- 12						Estimated Cost - Rs. 351720/-only
						Earnest Money :- Rs. 7050/-only
						Time :- Along with civil work
DRAFT SCHEDULE OF QUANTITY						
Name of work:- C/o Girls Hostel for Atal adarsh Vidyalaya Gudhari at Gohar tehsil Chachiot Distt. Mandi (SH:- Laying of conduit in ground & 1st Floor therein)						
Sr. No	Description	Qty.	In figure	Rate In words	Units	Amount
1.00	Supplying and fixing of following sizes of Steel conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : AKG/ BEC / NIC/ Diplast.	1200	286.00	Rupees Two Hundred Eighty Six Only	Per Metre	343200.00
2.00	Supplying & fixing of MS fan box (18X10X10)cm with phenolic laminated sheet cover in front sheet cover in front of MS rod 16mm/12mm dia 60cm long including connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge	40	213.00	Rupees Two Hundred Thirteen Only	Each	8520.00
TOTAL						351720.00

Draft schedule of quantity checked and approved for Rs. 3,51,720/- only.

Executive Engineer,
Electrical Division,
HP Mandi (HP)

Job- 13					Estimated Cost - Rs. 461496/-only	
					Earnest Money - Rs 5250/-only	
					Time - Along with civil work.	
DRAFT SCHEDULE OF QUANTITY						
Name of work:- C/o type-II quarter 24 Nos for Atal adarsh Vidyalaya Gudhari at Gohar tehsil Chachiot Distt. Mandi (SH:- Laying of conduit there in)						
Sr No	Description	Qty		Rate		Amount
				In figure	In words	Units
1.00	Supplying and fixing of following sizes of Steel conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : AKG/ BEC / NIC/ Diplast.	1560	Metre	286.00	Rupees Two Hundred Eighty Six Only	Per Metre
2.00	Supplying & fixing of MS fan box (18X10X10)cm with phenolic laminated sheet cover in front sheet cover in front of MS rond 16mm/12mm dia 60cm long including connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge	72	Nos.	213.00	Rupees Two Hundred Thirteen Only	Each
TOTAL						461496.00

Draft Schedule of quantity checked and approved for Rs. 4,61,496/- only.

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

Job:-						Estimated Cost - Rs. 419500/-only	
						Earnest Money - Rs 8400/-only	
						Time :- Along with civil work	
DRAFT SCHEDULE OF QUANTITY							
Name of work:- C/o type-III quarter 6 Nos for Atal adarsh Vidyalaya Gudhari at Gohar tehsil Chachiot Distt. Mandi (SH:-Laying of conduit & GI modular Box therein) Block C							
Sr. No	Description	Qty.	In figure	Rate In words	Units	Amount	
1.00	Supplying and fixing of following sizes of Steel conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required complete in all respect as per entire satisfaction of Engineer-in-charge Make : AKGI/ BEC / NIC/ Diplast.	1147	286.00	Rupees Two Hundred EightySix Only	Per Metre	328042.00	
2.00	Supplying & fixing of MS fan box (18X10X10)cm with phenolic laminated sheet cover in front sheet cover in front of MS rond 16mm/12mm dia 60cm long including connections, testing and commissioning etc as required complete in all respects and to the best satisfaction of Engineer-in-charge	24	213.00	Rupees Two Hundred Thirteen Only	Each	5112.00	
3.00	Supplying and fixing of G.I. modular boxes of following sizes along with in recess as required complete in all respect						
3.01	2 modules (78mmx78mmx50mm)	30	263.00	Rupees Two Hundred SixtyThree Only	Each	7890.00	
3.02	4 modules (140mmx78mmx50mm)	84	405.00	Rupees Four Hundred Five Only	Each	34020.00	
3.03	6 modules(205mmx78mmx50mm)	30	594.00	Rupees Five Hundred NinetyFour Only	Each	17820.00	
3.04	8 modules(120mmx135mmx60mm)	12	691.00	Rupees Six Hundred NinetyOne Only	Each	8292.00	
4.00	Supplying and fixing of following way single pole and neutral sheet steel MCB distribution board, 240 volts on surface / recess, complete with lined copper bus-bar, wire-set, neutral link, earth bar, din-bar detachable gland plate, blanking plate cable identification labels interconnections phosphatized and powder painted, including earthing etc as required complete in all respect Make : L&T / Legrand /SIEMENS.	6	3054.00	Rupees Three Thousand FiftyFour Only	Each	18324.00	
	Double door-16 way						
	TOTAL					419500.00	

Draft Schedule of quantity Checked and approved for Rs. 4,19,500/-only.

EXECUTIVE ENGINEER
Electrical Division
HP PWD, Mandi (HP)

Job- 15

Estimated Cost :- Rs. 180264/- Only
Earnest Money :- Rs. 3650/- Only
Time :- One Month.

Draft Schedule of quantity

Name of work - Supplying, Installation, Testing and Commissioning of Sub - Main light Electrical Panel at A/A to circuit house at Manali, distt. Kullu H.P.

S. No.	Description	Qty.		Rate		Unit	Amount.
				In figer	In words		
1	supplying and installation of Electrical panel suitable for 100A incomer, made of MS cabinet 2m thick with base frame. Complete with SMC/DMC insulator, control wiring, power wiring and thimble suitable door locks and hinges, rubber gaskets, heat shrinkable sleeves, engraved name plates, hardware & misc. accessories, epoxy powder coated paint complete as required complete in all respect. The panel shall be made of suitable size and dimensions so as to incorporate the switchgear accessories installed and commissioned ready to use as detailed below with cable entry box on one or both sides						
The panel shall include the following switch gear and accessories fully installed and commissioned in all respect							
Sr. No.	Description	Make	qty				
A	main incomer						
1	100A MCCB 4P	I&T /HAVELLS /ABB	1				
2	3PHASE VAF METER DIGITAL TYPE	I&T /HAVELLS /ABB	1				
3	CURRENT TRANSFORMER 100/5 CL 1 10VA	RISHAB/MATRIX/A	3				
4	R/Y PHASE INDICATION LAMPS	I&T /HAVELLS /ABB	2				
5	B PHASE INDICATION LAMPS	I&T /HAVELLS /ABB	1				
6	SPREADER TERMINAL LINK	I&T /HAVELLS /ABB	1				
7	6A CONTROL MINIATURE CIRCUIT BREAKER	I&T /HAVELLS /ABB	3				
8	EXTENDED ROTARY HANDLE	L&T/HAVELLS/ABB	1				
B	OUTGOING						
	MCCB FEEDER 63A						
1	63A MCCB 3P	L&T/HAVELLS/ABB	5				
2	EXTENDED ROTARY HANDLE	L&T/HAVELLS/ABB	5				
3	SPREADER TERMINAL LINK	L&T/HAVELLS/ABB	5				
A	OM INDICATION LAMP	I&T/HAVELLS/ABB	5				
	DUMMY						

1	100A MCCB FEEDER	L&T/HAVELLS/ABB	1					
	DG INCOMER: MANUAL CHANGE OVER							
1	100 A CHANGE OVER SWITCH 4P OPEN TYPE	L&T/HAVELLS/ABB	1					
2	RY PHASE INDICATION LAMPS LED TYPE	L&T/HAVELLS/ABB	2					
3	B PHASE INDICATION LAMPS LED TYPE	L&T/HAVELLS/ABB	1					
	Bus bars							
	150A TPN BUSBAR COPPER COTTED 50HZ E91 GRADE	HINDALCO	1	1	Job	180264.00	Rupees One Lakh Eighty Thousand Two Hundred Sixty Four Only	180264.00
	Total							180264.00

*Correct schedule of quantity
checked and approved for
Rs. 1,80,264/- only*

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

5.00	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respect. Make : L&T / Legrand / Siemens.	4	Nos	1324.00	Rupees One Thousand Three Hundred TwentyFour Only	Each	5296.00
6.00	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.						
6.01	Double door-6 way	1	Nos	2073.00	Rupees Two Thousand SeventyThree Only	Each	2073.00
6.02	Double door-8 way	1	Nos	2243.00	Rupees Two Thousand Two Hundred FortyThree Only	Each	2243.00
6.03	Double door-12 way	1	Nos	2711.00	Rupees Two Thousand Seven Hundred Eleven Only	Each	2711.00
7.00	Supplying and fixing G.I. Modular box of suitable size with modular plate and cover in front on surface or in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make:- L&T/(Entice)/Anchor/SSK.	5	Nos	616.00	Rupees Six Hundred Sixteen Only	Each	3080.00
8.00	Supplying and fixing G.I. Modular box of suitable size with modular plate and cover in front on surface or in recess including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make:- L&T/(Entice)/Anchor/SSK.	8	Nos	494.00	Rupees Four Hundred NinetyFour Only	Each	3952.00
9.00	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 size complete in all respect as per entire satisfaction of Engineer-in-charge. Cable Make : CCI/ Universal/ Finolex / Polycab / Rallison / Grandlay / KEL.	70	Metre	469.00	Rupees Four Hundred SixtyNine Only	Per Metre	32830.00
10.00	Armoured cable 25 sq. mm (3.5 core) 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 : Wipro / Bajaj / Phillips / Jaquar.	5	Nos	1455.00	Rupees One Thousand Four Hundred FiftyFive Only	Each	7275.00

11.00	Supplying & fixing DOWN LIGHT 12W light with aluminium housing complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make : Wipro / Bajaj / Phillips / Jaquar .	18	Nos	1077 00	Rupees One Thousand SeventySeven Only	Each	19386 00
12.00	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. Make : Wipro / Bajaj / Phillips / Jaquar .	2	Nos	809 00	Rupees Eight Hundred Nine Only	Each	1618 00
13.00	Supplying and fixing copper tape 20mmx3mm thick on parapet or surface of wall for lightning conductor as required complete in all respects and to the best satisfaction of Engineer-in-charge. (for horizontal run)	70	Nos	177 00	Rupees One Hundred SeventySeven Only	Each	12390 00
14.00	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 and to the best satisfaction of Engineer-in-charge.	2	Set	17086 00	Rupees Seventeen Thousand EightySix Only	Per Set	34172 00
15.00	Extra for using salt and charcoal for G.I. or copper plate earth electrode complete as required complete in all respects and to the best satisfaction of Engineer-in-charge.	2	Set	2169 00	Rupees Two Thousand One Hundred SixtyNine Only	Per Set	4338 00
16.00	Supplying and fixing copper tape 20mmx3mm thick on parapet or surface of wall for lightning conductor as required complete in all respects and to the best satisfaction of Engineer-in-charge. (for horizontal run)	140	Metre	177 00	Rupees One Hundred SeventySeven Only	Per Metre	24780 00
	Total						244938 00

Draft Schedule of quantity checked and approved for Rs. 2,44,938/- only.

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

Job- 1.7					Estimated Cost:- Rs. 387904/-only.
					Earnest Money :- Rs. 7800/-only.
					Time :- One Month
Name of work:- C/O Additional accommodation Block A and B for District Library Kullu Tehsil and District Kullu (H.P) (SH:- Providing and Fixing 2 tone AC in Block -B there in)					
Abstract of cost					
Sr. No	Description	Qty	Rate	Unit	Amount
1	Supplying and fixing of 2 tone capacity split type Inverter Hot and Cold AC,including copper pipe ,drain pipe and stand for out door AC unit complete with installation connection etc. as required complete in all respect. Make:- Lloyd, Voltas, Daikin.	4	96976	Each	387904
				Total	387904

Draft schedule of quantity checked
and approved for Rs. 3,87,904/-only.

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

29

Job: 18

		Estimated Cost- Rs.457465/- only	Earnest Money- Rs.9150/- only	Time:- Along with civil work
Draft Schedule Of Quantity				
Name of Work: C/o 2 Nos TYPE III QTR FOR HPPWD MANALI AT KATRAIN DISTT KULLU H.P (Sh: PROVIDING EI THEREIN)				
Sr.No	Description	Qty	Rate	Amount
			In figure	In words
1.00	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HFR) 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. HFRLS/PVC insulated single core copper conductor cable as required complete in all respect. Makes: finolex/plaza/KEI			
1.01	Group A	56 Nos	1048.00	Rupees One Thousand FourtyEight Only
1.02	Group c	24 Nos	1318.00	Rupees One Thousand Three Hundred Eighteen Only
2.00	Wiring for twin control light 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 2-way modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq mm. HFRLS/PVC insulated single core copper conductor cable as required complete in all respect. Makes: finolex/plaza/KEI	8 Nos	1471.00	Rupees One Thousand Four Hundred SeventyOne Only
3.00	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. HFRLS/PVC insulated single core copper conductor cable of same size for earthing as required complete in all respect. Makes: finolex/plaza/KEI			
3.01	2x1.5 Sq. mm	205 Metre	215.00	Rupees Two Hundred Fifteen Only
3.02	2x4.0 Sq. mm.	160 Metre	329.00	Rupees Three Hundred TwentyNine Only
3.03	2x10 Sq. mm	20 Metre	603.00	Rupees Six Hundred Three Only
4.00	Supplying and drawing following size PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in existing surface/recessed Steel/PVC conduit as required complete in all respect. Makes: finolex/plaza/KEI			
4.01	3x1.5 Sq. mm.	40 Metre	98.00	Rupees NinetyEight Only
4.02	3x4.0 Sq. mm.	100 Metre	220.00	Rupees Two Hundred Twenty Only
5.00	Supplying and fixing G.I. Modular box of suitable size with modular plate and cover in front on surface or in recess including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required complete in all respect as per entire satisfaction of Engineer in- Charge. Make : Legrand (Myrni) / L&T (Entico) / Anchor /SSK / ABB (Similar Class).	36 Nos	494.00	Rupees Four Hundred NinetyFour Only
6.00	Supplying and fixing G.I. Modular box of suitable size with modular plate and cover in front on surface or in recess,including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required complete in all respect as per entire satisfaction of Engineer in- Charge. Make : Legrand (Myrni) / L&T (Entico) / Anchor /SSK / ABB (Similar Class).	14 Nos	616.00	Rupees Six Hundred Sixteen Only
7.00	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 box complete with connections etc. as required complete in all respect. Makes: l&t,ABB,legrand	24 Nos	284.00	Rupees Two Hundred EightyFour Only
8.00	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. Makes: l&t,ABB,legrand	8 Nos	1324.00	Rupees One Thousand Three Hundred TwentyFour Only
	Double pole Cat-A			

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 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. 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. (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 pipe 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)/C&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)/C&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)/C&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)/C&S/Crompton/bajaj or Equivalent. Supplying & fixing wall bracket fitting single lamp, with Plastic body holder cap/B22/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 Fourty Only	Each	8400.00
21.00	Makes: Havell's STYLO (Cat no.LHFOECE1T10014)/C&S/Crompton/bajaj or Equivalent make. Providing, Installation, testing and commissioning of ceiling fan with modular regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0 20 mm twin core flexible, FPLS PVC, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box, and earthing etc. as required-	8	Nos	2655.00	Rupees Two Thousand Six Hundred FiftyFive Only	Each	21240.00
22.00	Ceiling Fan 1200 mm sweep Providing and fixing modular T 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	50	Metre	22.00	Rupees Twenty Two Only	Per Metre	1100.00
24.00	/anchor/plaza/ equivalent make 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 Thousand	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.	2	Nos	1227.00	Rupees One Thousand Two Hundred TwentySeven Only	Each	2454.00
	Makes:-goldmedal nexa(Cat no.GL90867CD/C&S/Crompton/bajaj of Equivalent make.						
	Total						457465.00

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

Executive Engineer
Electrical Division
HPPWD, Mandi

D

Job- 19					Estimated Cost - 499630/-		
					Earnest Money - 10000/-		
					Time - One Month		
Draft and schedule of quantity							
Name Of Work:- SITC of 1.5 ton 5 star hot and cold AIR CONDITIONERS in the campus of circuit house manali							
1	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required. Makes: kei, PLAZA, anchor						
	2x40 Sq. mm	5	Metre	301.00	Rupees Three Hundred One Only	Per Metre	1505.00
2	Supplying and fixing 20 Amps, 4 Module AC Box with SP MCB, plug top, metal enclosure, on surface or in recess, complete with connections, testing and commissioning etc. as required. Makes: I&T, ABB, anchor	5	Nos	1249.00	Rupees One Thousand Two Hundred FourtyNine Only	Each	6245.00
3	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 - Makes: I&T, ABB, legrand						
	Single pole, Cat-A	5	Nos	284.00	Rupees Two Hundred EightyFour Only	Each	1420.00
4	Supplying and fixing 1.5 TON 5 star 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 : lloyd, voltas, Daiken, o general or equivalent	5	Nos	98092.00	Rupees NinetyEight Thousand NinetyTwo Only	Each	490460.00
	Total						499630.00

Draft schedule of Quantity checked and approved for Rs. 4,99,630/- only

Executive Engineer,
Electrical Division
HP PWD Mandi (HP)

D

Job-						Estimated Cost - Rs. 4,64,252/-only.
						Earnest Money - Rs. 9300/-only.
						Time :- One Month
DRAFT SCHEDULE OF QUANTITY						
NAME OF WORK :- SUPPLYING, OF 20 KVA DG SET AT TEHSIL OFFICE SAINJ DISTT. KULLU (HP)						
Sr.No	Description	Qty	In Figure	In Words	Unit	Amount
1.00	Supplying CPCB II 20 KVA Silent DG Set Comprising of M&M Make Engine Model 3285 GM C2 28 BHP&NTP, 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. Make:- Mahindra /Cummins Sudhir.	1.00	No. 464252.00	Rupees Four Lakh SixtyFour Thousand Two Hundred FiftyTwo Only	Each	464252.00
	Total					464252.00

Draft schedule of quantity checked and approved for Rs. 464252/- only

Executive Engineer
Electrical Division
HPCL, Mandi

Job- 22

Draft Schedule Of Quantity									
Name Of Work:- Supply and Installation Testing Commissioning of Fascade Lighting For Dev Sadan Building in Kullu Himachal Pradesh(SH:- Prov. E.I. there									
Sr. No.	Description	Qty	Rate		Units	Amount			
			In figure	In words					
Electrical Items									
1	Timer Based Light Control Panel (Feeder Pillar) Supply Installation Testing Commissioning of following CPRI tested Timer Based Light Control Panel (Feeder Pillar) including MS Stand suitable for 415V, 3 phase, 4 wire, 50 Hz, power supply distribution system. The panel shall be 2.0mm sheet metal enclosed, double door conforming to IP 54. The painting process shall conform to relevant IS code for out door application. Make:-C&S/L&T/Havells.	1	Set	20000.00	Rs. Twenty thousand only	Per Set	20000.00		
	INCOMING 32A 10KA FP MCB - 1 No + Indication Lamp + 32A FP CONTACTOR (AC-1 duty) + A/M Selector switch + Time switch including making connection, etc. as required								
	OUTGOING 10A 10KA SP MCB - 20 Nos. Complete Set of Feeder Pillar as above								
2	LT CABLE Supply Installation Testing Commissioning of P/Laying P.V.C. / XLPE insulated & P.V.C. sheathed cable of 1.1 KV grade with aluminium conductor of IS:1554 P-1 / IS 7098 P -1 in existing pipe including making necessary connection, testing etc. as required of size. Makes: Havells, Polycab, Finolex, Kei	20	Metre	272.00	Rs. two hundred seventy two only	Per Metre	5440.00		
	4.0C x 10 Sqmm Al Ar LT XLPE								
3	Cable Termination Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. Makes: Havells, Polycab, Finolex, Kei, Grandlay.	1	Set	255.00	Rs. Two hundred fifty five only	Per Set	255.00		
	4.0C x 10 Sqmm Al Ar LT XLPE								
4	Copper Flexible Wire P/Laying P.V.C. insulated & P.V.C. sheathed cable of 1.1 KV grade with flexible copper conductor conforming to IS 694 in existing pipe/ conduit including making necessary connection testing etc. as required of size. Makes: Havells, Polycab, Finolex, Kei, Grandlay								
4.01	3.0C x 2.5 Sqmm Copper Flexible Wire	500	Metre	153.00	Rs. One hundred fifty three only	Per Metre	76500.00		
4.02	3.0C x 1.5 Sqmm Copper Flexible Wire	50	Metre	119.00	Rs. One hundred nineteen only	Per Metre	5950.00		
	Pipes & Conduits								
5	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting, the wall and making good the same in case of recessed conduit as required 25 mm. Make: Anchor/Polycab/Diplast	300	Metre	136.00	Rs. One hundred thirty six only	Per Metre	40800.00		
6	Supply & fixing of outdoor type cable junction box IP65/66 with terminals suitable for terminating 2.5/1.5 sqmm Cu flexible cable including all accessories. Makes: Custom	4	NOS	765.00	Rs. Seven hundred sixty five only	Each	3060.00		

7	DMX Data Boosters • compatible with the international standard DMX512 protocol (1990). • The signal after photoelectric isolation (using SHARP high-speed optocoupler and isolated power supply) • The original TI 4851C, lightning and static electricity protection. • The built-in MCU waveform correction, completely solve the problem of signal • good anti-interference, fault self recovery function. • The control system to achieve more rich and colorful effect. Make:- Panasonic/Meyar/ERCO	5	Nos.	5000.00	Rs. Five thousand only	Each	25000.00
TOTAL PRICE (INR)							177005.00

*Draft schedule of quantity
checked and approved
for Rs. 177005/-*

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

Job- 23							Estimated Cost - Rs 480000/- only Earnest Money - Rs 9600/- only Time - One Month		
Draft Schedule Of Quantity									
Name Of Work:- Supply and Installation Testing Commissioning of Facade Lighting For Dev Sadan Building in Kullu Himachal Pradesh(SH:-Balance work there in)									
Sr No	Description	Qty	In figure	Rate	In words	Units	Amount		
1	1. Supply, installation, testing and commissioning of Colour Changing 24W RGBW surface mounted Linear With Narrow/Medium beam luminaire suitable for outdoor applications of Facade Lighting 2. Luminaires should be enabled with high power LEDs, should consists of anti-aging and anti-UV high optical efficiency temperature-resistant lenses, suitable for architectural lighting as per design requirement. 3. Luminaire should have inbuilt DMX Chip and can be Controlled through DMX/Ethernet protocol using 8 bit DMX 512 Controller, Controller can achieve 16.7M colors, Luminaire should be complete with dedicated lens for each LED. DMX enabler circuit should be inside luminaire only 4. The luminaire should be complete with dedicated Lens for each LED and should have options for various beam angles, actual will depend on the design by the contractor and site requirement. 5. Luminaire should be provided with suitable integral/separate non-integral power supply unit 6. Lumen maintenance of at least L70B50 @ 50000 BH (Ta=25°C) 7. The luminaire should have Aluminium Extrusion body with Surface anodic oxidation and UV stabilized minimum 3-4 mm thick toughened glass front cover 8. Ingress Protection $\geq$ IP 66, Impact resistance level $\geq$ IK 08. Adequate heat sink with proper thermal management shall be provided 9. Operating Temperature -10°C to $+45^{\circ}\text{C}$, Operating Humidity 10%-90% THD should be less than 10% 10. Built in Surge protection DM 4kV CM 6kV 11. Housing to have adjustable base bracket for angle adjustment so that the light direction can be adjusted to illuminate desired structural elements 12. Connectors should have IP67 male/female connectors for DMX through wiring 13. The LED Luminaires and drivers should be complete with all necessary accessories required for proper working of fixture including weather proof connection cables, water proof connectors etc as required 14. LM79 and LM80 reports must be submitted. Make of LED must be validated through LM-79 for each type of fitting 15. Manufacture should have own NABL certified laboratory 16. Color rendering index $\geq$ 70 and power factor of complete luminaire $\geq$ 0.90, at white colour Make:- Panasonic/Meyar/ERCO	15	Nos.	32000.00	Rs. Thirty two thousand only	Each	480000.00		
TOTAL PRICE (INR.)							480000.00		

*Draft schedule of quantity
checked and approved for
Rs. 4,80,000/-*

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

Job- 24							Estimated Cost-Rs 284830/- only	
							Earnest Money-Rs 5700/- only	
							Time: Along with civil work	
Draft Schedule Of Quantity								
Name of work:- Providing stage lighting in auditorium of Govt Polytechnic Sunder Nagar Distt Mandi.								
Sr. No	Description	Qty	In figure	Rate	Units	Amount		
1.00	Supply, Installation, Testing & commissioning of LED Par Light with Voltages 220V AC, 50/60Hz, Light Source: 7 LEDs (quad-color RGBW) 15 W, (500 mA), 50,000 hours life expectancy, Color Temperature (range): 2800 to 10000 K installed Optics: 20° Beam Angle: 18°, Field Angle: 32.5°, Illuminance: 434 lux @ 5 m PWM Frequency: 600 Hz Master / Slave Synchronous control mode. Make: Falcon/ CANARA/ Martin/ SGM	6 Nos	27000.00	Rupees Twenty Seven Thousand Only	Each	162000.00		
2.00	Supply, Installation, Testing & commissioning of Universal DMX controller able to control upto 40 units. Each unit with maximum of 36 channels. Total of 512 DMX channel. Able to controller dimmer pack with maximum of 192 channels. 40 chases - Programs - Presets - Psychos. Make: Falcon/ CANARA/ Martin/ SGM	1 Nos	43750.00	Rupees Fourty Three Thousand Seven Hundred Fifty Only	Each	43750.00		
3.00	Supply, Installation, Testing & commissioning of 8 Channel DMX Splitter with one DMX input and 8 buffered outputs and 3pin XLR connectors etc. complete in all respect upto the entire satisfaction of Engineer - in - Charge of the work. Make: Falcon/ CANARA/ Martin/ SGM	1 Nos	18200.00	Rupees Eighteen Thousand Two Hundred Only	Each	18200.00		
4.00	Supply and laying of 2 core shielded 1.5sqmm cable. Make: Finolex/Polycab/Hawells	70 Metre	152.00	Rupees One Hundred Fifty Two Only	Per Meter	10640.00		
5.00	Supply and laying of 1.5 sqmm 3 core copper conductor PVC sheathed cable. Make: Finolex/Polycab/krystal	70 Metre	112.00	Rupees One Hundred Twelve Only	Per Meter	7840.00		
6.00	Supply, Installation, Testing & commissioning of 50mm OD G I Pipe B for class for lighting grid, lighting bar to be hang from top with support of clamps. Make: Custom	20 Metre	1200.00	Rupees One Thousand Two Hundred Only	Per Meter	24000.00		
7.00	Supply, Installation, Testing & commissioning of light socket box 4"x4" with 15 amp multi socket. Make: Anchor/legrand/Hawells	4 Nos	850.00	Rupees Eight Hundred Fifty Only	Each	3400.00		
8.00	Supply and laying of cable tray 40X 100 X 16SWG painted and cover. Make: Custom	20 Meter	750.00	Rupees Seven Hundred Fifty Only	Per Meter	15000.00		
					Total	284830.00		

Executive Engineer,
Electrical Division
HPPWD Mandi

Job- 25							Estimated Cost:- Rs. 408516/- only
							Earnest Money - Rs 8200/- only
							Time:- One Month.
Draft Schedule Of Quantity							
Name of work:- Supplying, testing and commissioning of corded microphone, I-pad and walkie talkie for Indoor Auditorium Atal Sadan Kullu (H.P.)							
Sr. No.	Description	Qty.	In figure	In words	Units	Amount	
1.00	Supplying, testing and commissioning of Coded microphone (Frequency response tailored for vocals, with brightened midrange and bass roll off. Uniform cardioid pickup pattern isolates the main sound source and minimizes background noise. Pneumatic shock-mount system cuts down handling noise. Effective, built-in spherical wind and pop filter. Supplied with break-resistant stand adapter which rotates 180 degrees. Legendary Shure quality, ruggedness and reliability. Cardioid (unidirectional) dynamic Frequency response: 50 to 15,000 Hz. Make:- Shure or its equivalent	4	Nos. 16992.00	Rupees Sixteen Thousand Nine Hundred NinetyTwo Only	Each	67968.00	
2.00	Supplying, testing and commissioning of Coded Microphone (Contoured frequency response for clean, instrumental reproduction and rich vocal pickup. Professional-quality reproduction for drum, percussion, and instrument amplifier miking. Uniform cardioid pickup pattern isolates the main sound source while reducing background noise. Pneumatic shock-mount system cuts down handling noise. Extremely durable under the heaviest use. Frequency response: 40 to 15,000 Hz. Make:- Shure or its equivalent	2	Nos. 16284.00	Rupees Sixteen Thousand Two Hundred EightyFour Only	Each	32568.00	
3.00	Supplying, testing and commissioning of Wireless microphone (The Wireless Vocal System with SM58, an industry-standard, highly versatile cardioid dynamic vocal microphone, tailored to deliver warm and clear vocal reproduction. Combines simple setup and an intuitive interface for performance you can trust in. Make:- Shure or its equivalent	2	Nos. 61360.00	Rupees SixtyOne Thousand Three Hundred Sixty Only	Each	122720.00	
4.00	Supplying, testing and commissioning of APPLE I-PAD (10th Gen) 64 GB ROM 10.9 inch with Wi-Fi Only	1	Nos. 141600.00	Rupees One Lakh FourtyOne Thousand Six Hundred Only	Each	141600.00	
5.00	Supplying, testing and commissioning of Router with wire (Support IEEE 802.3 (Ethernet), IEEE 802.3u (Fast Ethernet), IEEE 802.11b/g/n (2.4G WLAN) Wireless security - WPA/WPA2 security mechanism (WPA-PSK uses TKIP or AES) Indicator light - 6 Groups: Power, Wi-Fi, 4G, WAN, LAN1, LAN2 Support 4G Features Support RF Parameters 802.11b/g/n: 2.4-2.4835GHz 2 LAN Ports 1 WAN Port	1	Nos. 10620.00	Rupees Ten Thousand Six Hundred Twenty Only	Each	10620.00	
6.00	Supplying, testing and commissioning of Walkie talkie (Set of 2) (Programmable Handheld Amateur Radio Walkie Talkie, 3.7V 1500 mAh Rechargeable Li-ion Battery Frequency Range 400-470 (UHF), 16 Memory Channels, CTCSS /DCS, Battery Saving Features, Low Voltage Alert, Emergency Alarm and built-in high illumination LED flashlight. Maximum Power Output: 3-5 Watt. Package include: Walkie Talkie, Battery, Battery Charger, Belt Clip, Hand strap, Antenna.	2	Nos. 2360.00	Rupees Two Thousand Three Hundred Sixty Only	Each	4720.00	

7.00	Supplying, testing and commissioning of Headphone (For Mixer Precisely tailored frequency response delivers rich bass, clear mid-range and extended highs Premium, padded headband provides ergonomic fit for superior comfort over extended periods Closed-back, circumoral design rests comfortably over the ears and reduces background noise Includes additional detachable straight cable, carrying bag, threaded 1/4" (6.3 mm) gold-plated adapter and two-year warranty	1	Nos.	28320.00	Rupees TwentyEight Thousand Three Hundred Twenty Only	Per Metre	28320.00
TOTAL							408516.00

Draft schedule of quantity checked and approved for Rs. 4,08,516/- only.

Executive Engineer
Electrical Division
HPCL Mandla