

**HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT**

NOTICE INVITING TENDER

Sealed percentage and item rate tender on Form No. 6&8 are invited by the Executive Engineer, Electrical Division, HPPWD, Mandi (H.P.) for the following works **from approved and eligible contractors enlisted in appropriate class in HPPWD (Electrical) department**, so as to reach in his office on or before 01.07.2022 up to 10.30 A.M. and will be opened on the same day at 11:00 A.M. in the presence of intending contractors or their authorized representatives. The application for issuing of tender form will be received in his office against cash payment Rs. 350/- (Non-refundable) for each work on or before 30.06.2022 up to 01:00 P.M. and the tender forms can be had from his office on same day. The application for the purchase of the tender documents should be accompanied with earnest money of each work separately in the shape of National Saving Certificate/FDR/ Call Deposit / Bank draft of any Schedule Bank / Post Office duly pledged in favour of the Executive Engineer, Electrical Division, HP.PWD, Mandi (H.P.). Conditional tenders and the tenders received without earnest money will be rejected. The receipt of application for issue of tender forms by post shall not be entertained / considered in any case. The tender forms shall be issued to registered Contractors or their authorized representatives. The copy of enlistment / renewal order and valid Electrical License shall be attached with the application for purchase the tender document. The ambiguous / telegraphic / conditional / fax / E-mail or by post tenders shall also not be entertained / considered in any case. The tender shall be issued to those Contractors / Firms who are found eligible, suitable and competent. The decision of the Executive Engineer regarding suitability / eligibility / competency of Contractors/ Firms shall be final binding on the Contractors / Firms applying for the issuing of the tender. The offer for the tenders shall be kept open for 120 days. The Executive Engineer reserves the right to reject the tender without assigning any reasons, if there happens to be any holiday the same will be opened on next working day.

Work No. 1:- C/o 2 Nos. Type-II Quarters of Police Department at lower Keylong, District L&S HP (SH: Providing EI therein) Estimated Cost: Rs. 150036/-only, Earnest money: Rs. 3000/- only, Time allowed: - Along with civil work

Work No. 2:- Providing wiring and replacement of fans, old tube fixture with new LED tube fixture and other electrical accessories and providing rewiring for renovated toilets in Zonal Hospital Mandi District Mandi HP Estimated Cost: Rs. 440621/-only, Earnest money: Rs. 8850/- only, Time allowed: - One Month.

Work No. 3:- Providing Wiring of HPPWD Rest house karon, Tehsil and District Kullu District kullu HP Estimated Cost: Rs. 330413/-only, Earnest money: Rs. 6650/- only, Time allowed: - One Month.

Work No. 4:- C/o Veterinary Dispensary Building at Chong, Tehsil – Bhuntar, District Kullu HP (SH: Providing E.I therein) Estimated Cost: Rs. 137251/-only, Earnest money: Rs. 2800/- only, Time allowed: - Along with civil work

Work No. 5:- Minor Repair of Lift Machine No. TNR 9274 of OTIS make in JLN Govt. Engineering College Sunder Nagar District Mandi HP Estimated Cost: Rs. 299595/-only, Earnest money: Rs. 6000/- only, Time allowed: - One Month.

Work No. 6:- C/o Meeting Hall at Circuit House District Mandi HP (SH: Providing ERV System, steel DOM, Exhaust fan and balance work of yard lighting therein) Estimated Cost: Rs. 487586/-only, Earnest money: Rs. 9800/- only, Time allowed: - One Month.

Work No. 7:- Providing yard lighting in the campus of Rest House Jispa District L&S HP Estimated Cost: Rs. 298025/-only, Earnest money: Rs. 6000/- only, Time allowed: - One Month.

Work No. 8:- Replacement of Old Switch / Sockets into modular and other accessories in Rest house Jispa District L&S HP Estimated Cost: Rs. 185645/-only, Earnest money: Rs. 3750/- only, Time allowed: - One Month

Work No. 9:- Replacement of old switch / socket into modular and other accessories in Rest house Koksar District L&S HP Estimated Cost: Rs. 261470/-only, Earnest money: Rs. 5250/- only, Time allowed: - One Month

Work No. 10:- Providing yard lighting in the campus of Rest house Koksar District L&S HP Estimated Cost: Rs. 271925/-only, Earnest money: Rs. 5450/- only, Time allowed: - One Month

Work No. 11:- Providing 4 Nos. Air conditioner in VIP Suit of Rest house Pandoh District Mandi HP Estimated Cost: Rs. 446199/-only, Earnest money: Rs. 8950/- only, Time allowed: - One Month

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/2022-2023-- 2201-50

Dated: 21/1/22

Copy forwarded to the following for information please:-

1. The Engineer-in-Chief, HPPWD, Nirman Bhawan, Nigam Vihar Shimla-1.
2. The Deputy Commissioner, Mandi District-Mandi H.P
3. The Chief Engineer (Mandi Zone), HPPWD, Mandi.
4. The Superintending Engineer (Elect.) HPPWD, Shimla-9
5. The Executive Engineer (IT) o/o Engineer-in-Chief, HPPWD, Shimla through email: eeict-pwd-shi@hp.gov.in a/w copies of Schedule of Quantities for uploading the same on HPPWD web portal.
6. The Sub Divisional Officer(Civil), Mandi District-Mandi H.P
7. The Commissioner, Municipal Corporation, Mandi District-Mandi HP
8. All the Assistant Engineers (Elect.) under this Division.
9. All the Heads of Branches in this office.
10. All the registered eligible Electrical contractor under this Division.

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

Certificate

It is certified that the tenders (Percentage rate) as invited vide this office NIT No. PW-MED-TA/NIT/2022-23.-2201-50..... dated 21.06.2022 are invited without press notice due to exigency of works in public interest.


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

					estimated cost:- Rs 150036/- only
					Earnest Money :- Rs. 3000- Only
					Time :- Along with civil work
Schedule of quantity					
NAME OF WORK:- C/o 2 Nos Type-II quarters of police Department at lower Keylong Distt. L&S (H.P) (SH:- Prov. E.I therein)					
S.No.	DESCRIPTION	QTY.	RATE	Rate in words	UNIT AMOUNT
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit and earthing the light point with 1.5 Sq.mm. HRRFLS/PVC insulated single core copper conductor cable as required complete in all respect. Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	28 Nos.			Each 0.00
2	Group A Supplying and fixing metal box of 100mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps, piano type switch, connections, painting etc. as required complete in all respect. Make-ESS KAY / CONA /Anchor	10 Nos.			Each 0.00
3	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 6 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc. as required complete in all respect. Make- ESS KAY / CONA /ANCHOR.	12 Nos.			Each 0.00
4	Supplying and fixing bakelite batten/angle holder including connections etc. as required complete in all respect. Make: Anchor , CONA , ESS KAY .	8 Nos.			Each 0.00

5	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respect. Make : L&T / Legrand / ABB / SIEMENS.	18	Nos.		Each	0.00
	Single pole, Cat-A.					
6	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respect. Make : L&T / Legrand / SIEMENS.	2	Nos.		Each	0.00
	Double pole Cat-A.					
7	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. 63 Amps (Cat-A)	2	Nos.		Each	0.00
8	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required complete in all respect. Make : L&T / Legrand / SIEMENS.					
	Double Door 16 Way	2	No.		Each	0.00
9	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 steal conduit along with 1 No.HRFLS/PVC insulated single core copper conductor cable of same size for earthing as required complete in all respect. Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.					
i)	2x1.5 Sq. mm.	70	Metre		Per Metre	0.00
iii)	2x4.0 Sq. mm.	80	Metre		Per Metre	0.00

iv)	2x6.0 Sq. mm.	6	Metre		Per Metre	0.00
10	Wiring for circuit / sub-main with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.4 Sq.mm. (4X4+2X4)HRRF/PVC insulated single core copper conductor cable for earthing as required complete in all respect. Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	50	Metre		Per Metre	0.00
11	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. Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	30	Metre		Per Metre	0.00
	3x1.5 Sq. mm.					
12	Providing and fixing Glazed LED 20 watt Batten High quality design aluminium extruded with decorative end caps complete with Connection,testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max.	10	Nos		Each	0.00
13	Providing and Fixing LED 9 Watt in the existing holder as required complete in all respect. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max.	8	Nos.		Each	0.00
14	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required. Make: Anchor, CONA, ESS ESS KAY.	2	Nos.		Each	0.00
15	Providing & fixing surface LED Downlight 8 Watt to enhance the delight of occupants with comfortable experience through its classic design & glare free illumination complete with Connection,testing commissioning etc as required in all respect. Make:- Wipro / Bajaj / Phillips / Jaquar.	4	Nos		Each	0.00

16	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required complete in all respect. Make: Bajaj, Usha, Anchor	4	Nos			Each	0.00
	Exhaust Fan, Light duty, (Domestic) 300 mm sweep						
						TOTAL	0.00


 Executive Engineer,
 Electrical Division,
 HPPWD Mandi

Schedule of Quantity						
Name of work:- Prov. Wiring & Replacement of Fans, old Tube Fixture with new LED Tube Fixture , other electrical accessories & Prov. Rewiring for renovated toilets in ZH Mandi						
S.NO.	DESCRIPTION	QTY	UNIT	RATE	Rate in Words	AMOUNT
1	Re-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 existing surface/recessed Steel / PVC conduit and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable including dismantling of the existing wiring as required. (including switch & bakelite sheet etc.)					
	Group C.	40	Each			
2	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.					
	Group C.	35	Each			
3	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No. HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required.					
	2x1.5 Sq. mm.	250	P/ Meter			
	2x4.0 Sq. mm.	100	P/ Meter			
4	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required.					
	PVC insulated HRFR LS Copper conductor 1.5 Sq. mm.					

	3x1.5 Sq. mm.	150	P/ Meter		
5	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.	10	Each		
6	Supplying and fixing following rating Piano-type switch /socket on the existing switch box / cover including connections etc. as required.				
	S.P. 5/ 6 Amps one way switch, piano type.	82	Each		
	6 pin 5/6 Amps socket outlet, porcelain base/ piano type.	13	Each		
	Bell push, piano type.	6	Each		
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:- Single pole. Cat-A.				
8	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:-	1	Each		
	Double door-4 way				
9	Supplying and fixing stepped type Modular fan regulator on the existing modular box including making connections etc. as required.	1	Each		
	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:-	16	Each		
10					
	Ceiling Fan 1200 mm sweep. Category-A	6	Each		
	Ceiling Fan 1400 mm sweep. Category-A	2	Each		

11	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required:- Exhaust Fan, Light duty, (Domestic) 300 mm sweep	11	Each			
12	Supplying and fixing 18Watt T-5 Indoor decorative LED B atten with extruded aluminium housing and opal diffuser including LED Rod Halonixhaving item code HLB-03-18-CW-AL and Rod Cat NO HTL84DPC18CW testing and commissioning as required complete in all respect.	7	Each			
13	LED Batten 18 watt 4' Prov. & fixing LED surface mounted 2x2 36 watt square panel with aluminium die cast housing of superior quality complete with connection , commissioning as reqd. complete in all respect Make :- WIPRO/ Philips/ Bajaj/ Jaquar	53	Each			
16	Supplying and fixing Metal Box of 200 mm x150 mm x 75 mm size with phenolic laminated sheet cover in recess including providing and fixing 3 Nos. 6 pin 5/6 Amps Plano type socket outlet, 3 Nos. 5/6 Amps switch connections etc. as required.	15	EACH			
17	Supplying and fixing bakelite batten/angle holder including connections etc. as required:-	40	EACH			
18	Providing & fixing LED lamp 5 watt complete with connection testing etc as requirwd complete in all respect.	40	EACH			
Total						

Execd. *[Signature]*
 Elect. Engr. H.P.R.W.D.
 Wardi (H.P. 5001)

Estimated Cost:- Rs. 330413/- only							
Earnest Money:- Rs. 6650/- only							
Time:- one month							
Name of work:- Wiring of HP PWD Rest House Karon Tehsil and Distt. Kullu (H.P.)							
Schedule of Quantity							
Sr.No	Description	Qty	Rate	Rate in words	Unit	Amount	
1.00	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HFRF) 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.. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	38		Nos.	Each		
2.00	Group C. Wiring for twin control light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HFRF) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit, with 2-way modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	4		Nos.	Each		
3.00	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. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	14		Nos.	Each		
4.00	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. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	11		Nos.	Each		
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:-. Make : Usha / Bajaj / Anchor Panasonic.	3		Nos.	Each		
6.00	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:-.	4		Nos.	Each		
7.00	Providing and fixing LED BULB 10 W B22 / E27/E14 base cap connections, etc. as required complete in all respects Make:- Make : Wipro / Bajaj / Philips / Jaquar / (Twinkle) Luminaires.	6		Nos.	Each		
8.00	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:- Make : Wipro / Bajaj / Philips / Jaquar / (Twinkle) Luminaires.	10		Nos.	Each		

12.00	Supplying & fixing Mirror light comprising of cylindrical opal glass complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make:- Jaquar/Twinkle/Panasonic.	2	Nos.				Each
11.00	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.	8	Nos.				Each
12.00	Supplying & fixing 45 Watt LED Street light in aluminium pressure die cast housing with toughened glass cover (IP66 rating) complete with all accessories, connections, testing and commissioning etc. as required complete in all respects as per entire satisfaction of Engineer-in-charge. Make:- Wipro / Bajaj / Philips / Jaquar / (Twinkle) Luminaires.	3	Nos.				Each
13.00	LED Street light 45W 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 respects as per entire satisfaction of Engineer-in-charge. Make : Usha / Bajaj / Anchor Panasonic.						
14.00	Ceiling Fan 1200 mm sweep Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No. HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required complete in all respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	3	Nos.				Each
I	2x1.5 Sq. mm.	145	Metre				Per Metre
II	2x4.0 Sq. mm.	160	Metre				Per Metre
15.00	Wiring for circuit / sub-main with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 2 No.4 Sq.mm. (4X4+2X4)HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	70	Metre				Per Metre
16.00	Wiring for circuit / sub-main with 2x10 Sq. mm. PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.6 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	20	Metre				Per Metre
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 respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.						

	3x1.5 Sq. mm.	60	Metre	Per Metre
18.00	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.			
	Single pole 10 Amp. Cat-A.	10	Nos.	Each
19.00	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required. Make : L&T / Legrand / Siemens.	4	Nos.	Each
	Double pole. Cat-A.			
20.00	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required complete in all respects per entire satisfaction of the Engineer in charge. Make : L&T / Legrand / Siemens.	4	Nos.	Each
	40 Amps. Cat-A.			
21.00	Earthing with G.I. earth plate 600 mmx600 mmx 6 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	Per Metre
22.00	Extra for using salt and charcoal for G.I. or copper plate earth electrode complete as required.	1	Set	Per Set
23.00	Supplying and laying 25mmx5mm G.I. strip at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	30	Metre	Per Metre
24.00	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of 2 No C.P. connection rods 18" long, making good the damages, electrical connections, testing and commissioning etc. as required:-			
	25 Liter capacity water heater (Cat-A)	3	Nos.	Each
25.00	Supplying & fixing wall bracket fitting Single lamp with Opal Globe glass with Nickel finishing Wall Lamp holder cap E14, complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make:-Jaquar/Bajaj/Klite.	2	Nos.	Each
26.00	Supplying & fixing wall bracket fitting DOUBLE lamp with Opal Globe glass with Nickel finishing Wall Lamp holder cap E14, complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make:-Jaquar/Bajaj/Klite.	2	Nos.	Each
27.00	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, phosphalized and powder painted, including earthing etc. as required:-			
	DD-8 Way	1	Nos.	Each

23.00	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.	4	Way		each
29.00	Supplying and fixing of following way MCCB 4 pole PHASE SEGREGATED DB, of suitable dimensions made from 1.6 mm thick CRCA sheet on surface / recess with Incomer MCCB spreader links, busbar, 4 module sub-incomer in each phase and SP MCBs as outgoing, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, cable, identification labels interconnections, phosphatized and powder painted, Metal Door IP 43 including earthing etc. as required.				
	MCCB Incomer 6 Way	1	Nos.		Each
	TOTAL				


 Executive Engineer
 Elect Divn H.P.E.W.D.
 Ward (H.P.) 75001

						Estimated Cost:- Rs. 137251/- only
						Earnest Money:- Rs. 2800/- only
						Time:- Along with civil work
Schedule of Quantity						
Name of work :-C/O Vety. Dispensary building at Chong Telsil Bhunter Distt. Kullu (HP) (Prov. E.I. there in)						
ABSTRACT OF COST						
Sr.No	Description	Qty	Rate	Rate in words	Unit	Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC Insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC Insulated single core copper conductor cable as required.					
	Group C.					
2	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required.	20			Each	
i	2x1.5 Sq. mm.	80			Meter	
ii	2x4.0 Sq. mm.	55			Meter	
3	Wiring for circuit / sub-main with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.4 Sq.mm. (4X4+2X4)HRFRLS/PVC insulated single core copper conductor cable for earthing as required.	35			Meter	
5	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.	4			each	
6	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 6 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc. as required.	5			each	
7	Providing, Installation, testing and commissioning of ceiling fan with regulator, including wiring, the down rods of standard length (up to 30 cm) with 16/0.20 mm twin core flexible,FRLS PVC, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required:-					
	Ceiling Fan 1200 mm sweep	2			each	
8	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of Expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of Non-return valve, Dead weight safety valve, 2 No C.P. connection rods 18" long, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required:-					
	25 Liter capacity water heater (Cat-A)	1			each	

9	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-				
i	Single pole 10 Amp. Cat-A.	4			each
ii	Single pole 20 Amp. Cat-A.	5			each
10	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-				
	Double pole. Cat-A.	1			each
11	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCB), having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	63 Amps. Cat-A.	1			each
12	Supplying and fixing bakelite batten/angle holder including connections etc. as required:-	1			each
13	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.	1			Set
14	Extra for using salt and charcoal for pipe earth electrode complete as required.	1			Set
15	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	25			Meter
16	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.	1			each
17	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:-				
	DD 16-Way	1			each
18	Providing and fixing 12W ,LED surface -mounted round panel with aluminium die cast housing complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	2			each
19	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.	4			each
20	Supplying & fixing 25 Watt LED Street light in aluminium pressure die cast housing with toughened glass cover (IP66 rating) complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	1			each

41	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.	6			each	
TOTAL						


 Executive Engineer
 Elect. Divn. H.P.R.W.D.
 Wardi H.P. 475001

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6							Estimated Cost :- Rs. 487586/- only
							Earnest Money:-Rs. 9800/- only
							Time:- One Month
Schedule of Quantity							
N.O.W:- C/o meeting hall at circuit house Mandi (H.P) (SH:- Prov. ERV system, Steel DOM) Exhaust fan & balance work of yard light therein							
Sr.No	Description	Qty	Rate	Rate in words	Unit	Amount	
1.00	Providing and installation of exhaust fan of Steel DOM in ceiling of required sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required:- Make : Usha / Bajaj / Anchor Panasonic.	8 Nos.			Each		
2.00	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required:- Make : Usha / Bajaj / Anchor Panasonic.	1 Nos.			Each		
3.00	Exhaust Fan, Light duty, (Domestic) 300 mm sweep Providing and installation of Wall fan of following sizes, making good the damages, connections, testing and commissioning etc. as required:- Make : Usha / Bajaj / Anchor Panasonic.	1 Nos.			Each		
4.00	supply and erection Campus LED steel pole with LED fitting double arm bracket fixture are made of Die cast aluminium base and spun aluminium top fitted with LED PT Module, Power LED's are mounted directly on inbuilt extruded Alum. Heat Sinks. AUV stabilized injection moulded P.C. diffuser is provided for glare Free lighting with high Visual comfort as required complete with all respect as per the satisfaction of the Engineer-in-charge. Make:- Twinkle / Bajaj / K-lite.	3 Nos.			Each		
5.00	Providing and laying of aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade direct in ground in the same trench, in one tier horizontal formation to be laid 1 meter below the ground level including excavation and refilling the trench etc.as required, but excluding sand cushioning and protective covering etc. of required size complete in all respects per entire satisfaction of the Engineer in charge. Cable Make :-						
i	Armoured cable 6 sq. mm (twin core)	150 Metre			Per Metre		
ii	Armoured cable 4 sq. mm (twin core)	200 Metre			Per Metre		
6.00	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required:-	1 Nos.			Each		
7.00	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:- Make : L&T / Legrand / Siemens.	1 Nos.			Each		
	Double pole. Cat-A.						

8.00	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:-	1	Nos.			Each
9.00	Double door-4 way Supplying and fixing of following sizes of steel conduit along with the accessories in surface / recess including painting in case of surface conduit or cutting the wall and making good the same in case of recessed conduit as required:-	15	mt			per mtr
10.00	32 mm dia. Providing & fixing LED indoor Power Supply LED strip lof 30 Watt Jaquar make complete with Connection,testing commissioning etc as required in all respect.	7	Nos.			Each
11.00	Providing and fixing PVC pipe 150mm dia complete in all respect	110	mtr			per mtr
12.00	Providing and fixing PVC bend 180mm dia complete in all respect	16	Nos.			Each
13.00	Providing and fixing PVC junction 180mm dia complete in all respect	6	Nos.			Each
14.00	Providing & Laying Full Body vitrified floor tiles of size 600X600 in matt finished with water absorption less then 0.08% and conforming to IS 15622 of approved make as required complete in all respect	11	sq mtr			per sq. mtr
						TOTAL


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

Estimated cost:- Rs 298025/- only
 Earnest Money :- Rs. 6000/- Only
 Time :- one month

Schedule of quantity					
NAME OF WORK:- Prov. Yard light in campus of rest house at Jispa Distt. L&S (H.P)					
S.No.	DESCRIPTION	QTY.	RATE	rates in words	UNIT AMOUNT
1	Supply and erection Campus LED steel pole with LED fitting single arm bracket fixture are made of Die cast aluminium base and spun aluminium top fitted with LED PT Module,Power LED's are mounted directly on inbuilt extruded Alum. Heat Sinks. AUV stabilized injection moulded P.C. diffuser is provided for glare Free lighting with high Visual comfort as required complete with all respect as per the satisfaction of the Engineer-in-charge.Make:- Twinkle / Bajaj / K-lite.	5 Nos.			Each
	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 and refilling the trench etc.as required, but excluding sand cushioning and protective covering:-Make :- KEI / CCI / Universal / Finolex / Rallison / Grandlay .				
	Armoured cable 6 sq. mm (twin core)	100 mtr			per mtr
				TOTAL	

Executive Engineer,
 Electrical Division,
 HP PWD Mandi

								Estimated cost:- Rs 185645/- only
								Earnest Money :- Rs. 3750/- Only
								Time :- one month
Distt Schedule Of quantity								
Name of work:- Replacement of old switch/socket into modular and other accessories in rest house Jispa Distt. L&S								
Sr.No	Description	Qty	Rate	Rate in words	Unit	Amount		
1.00	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HFRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit and earthing the light point with 1.5 Sq. mm. HFRFLS/PVC insulated single core copper conductor cable as required.. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	10	Nos.		Each			
Group C.								
2	Supplying & fixing following size modular base and cover plate on the existing modular metal boxes as required:-							
i	2 modules	5	Nos		Each			
ii	3 modules	8	Nos		Each			
iii	6 modules	15	Nos		Each			
iv	12 modules	3	Nos		Each			
3	Supplying & fixing Modular blanking plate on the existing modular metal box as required:-	40	Nos		Each			
4	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required.							
i	5/6 amps. 1-way Modular switch	59	Nos		Each			
ii	5/6 amps. 2-way Modular switch	8	Nos		Each			
iii	Bell push, Modular	8	Nos		Each			
iv	15/16 amps. 1-way Modular switch	7	Nos		Each			
v	5 pin 5/6 amps. Modular socket outlet	12	Nos		Each			
vi	6 pin 15/16 amps. Modular socket outlet	7	Nos		Each			
5.00	Supplying & fixing 36 Watt Surface mounted LED panel made from extruded aluminium housing(surface)2ft x2ft complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects as per entire satisfaction of Engineer-in-Charge. Make:- Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Luminaires.	2	Nos.		Each			
6.00	Supplying & fixing 20 Watt Ultra slim LED panel made from extruded aluminium housing frame Surface/recess/pendant)1ft x1ft complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects as per entire satisfaction of Engineer-in-Charge. Make:- Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Luminaires.	10	Nos.		Each			
7.00	Supplying & fixing DOWN LIGHT 12W light recess round/square with aluminium housing,complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	4	Nos.		Each			

8.00	Supplying & fixing LED TUBE 20W/PC BATTEN, complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make:-Jaquar/Twinkle/Panasonic.	10	Nos.			Each
9.00	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:-Jaquar/Twinkle/Panasonic.	4	Nos.			Each
10.00	Supplying & fixing 10 Watt LED bed 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:-Jaquar/Twinkle/Panasonic.	6	Nos.			Each
11.00	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No. HFR/LS/PVC insulated single core copper conductor cable of same size for earthing as required complete in all respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.					
i	2x1.5 Sq. mm.	75	Metre			Per Metre
ii	2x4.0 Sq. mm.	58	Metre			Per Metre
12.00	Supplying & fixing 10 Watt LED bulk head comprising of pressure die cast housing with acrylic diffuser (IP65 protection) complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	8	Nos			Per Metre
13.00	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respects per entire satisfaction of the Engineer in charge. Make : L&T / Legrand / Siemens.					
	SP Cat-A	29	Nos.			Each
14.00	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required. Make : L&T / Legrand / Siemens.	3	Nos.			Each
	Double pole. Cat-A.					
15.00	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:- Double door-12 way					
		3	Nos.			Each
16.00	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required:- Make : Usha / Bajaj / Anchor Panasonic.	5	Nos.			Each
	Exhaust Fan, Light duty, (Domestic) 300 mm sweep					

17.00	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required:-	1	Nos.		Each
					TOTAL

Executve Engineer,
 Electrical Division,
 HP PWD Mandi D

								Estimated cost:- Rs 261470/- only
								Earnest Money :- Rs. 5250/- Only
								Time :- one month
Schedule Of quantity								
Name of work:- Replacement of old switch/socket into modular and other accessories in rest house Koksar Distt. L&S								
Sr.No	Description	Qty	Rate	Rate in words	Unit	Amount		
1.00	Wiring for light point / fan point / exhaust fan / cell 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 steel conduit and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CIMI / FENOLIX.	Nos.			Each			
	Group C.							
2	Supplying & fixing following size modular base and cover plate on the existing modular metal boxes as required:-							
i	2 modules	20 Nos			Each			
ii	3 modules	18 Nos			Each			
iii	6 modules	20 Nos			Each			
iv	12 modules	15 Nos			Each			
3	Supplying & fixing Modular blanking plate on the existing modular metal box as required:-	60 Nos			Each			
4	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required.							
i	5/6 amps. 1-way Modular switch	98 Nos			Each			
ii	5/6 amps. 2-way Modular switch	18 Nos			Each			
iii	Bell push, Modular	15 Nos			Each			
iv	15/16 amps. 1-way Modular switch	20 Nos			Each			
v	5 pin 5/6 amps. Modular socket outlet.	20 Nos			Each			
vi	6 pin 15/16 amps. Modular socket outlet.	20 Nos			Each			
5.00	Supplying & fixing 36 Watt Surface mounted LED panel made from extruded aluminium housing(surface)2ft x2ft complete with all accessories, connections, testing and commissioning etc. as required complete in all respects as per entire satisfaction of Engineer- in- Charge. Make:- Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Luminaires.	2 Nos.			Each			
6.00	Supplying & fixing 20 Watt Ultra slim LED panel made from extruded aluminium housing frame Surface/recess/pendant)1ft x1ft complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects as per entire satisfaction of Engineer- in- Charge. Make:- Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Luminaires.	3 Nos.			Each			

7.00	Supplying & fixing DOWN LIGHT 12W light recess round/square with aluminium housing, complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	20	Nos.			Each
8.00	Supplying & fixing LED TUBE 20W/PC BATTEN, complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make:- Jaquar/Twinkle/Panasonic.	12	Nos.			Each
9.00	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:- Jaquar/Twinkle/Panasonic.	10	Nos.			Each
10.00	Supplying & fixing 10 Watt LED bed 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:- Jaquar/Twinkle/Panasonic.	10	Nos.			Each
11.00	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. HRFLS/PVC insulated single core copper conductor cable of same size for earthing as required complete in all respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.					
i	2x1.5 Sq. mm.	60	Metre			Per Metre
ii	2x4.0 Sq. mm.	30	Metre			Per Metre
12.00	Supplying & fixing 10 Watt LED bulk head comprising of pressure die cast housing with acrylic diffuser (IP65 protection) complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	9	Nos			Per Metre
13.00	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respects per entire satisfaction of the Engineer in charge. Make : L&T / Legrand / Siemens.					
	SP Cat-A	26	Nos.			Each
14.00	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:- Make : L&T / Legrand / Siemens.	8	Nos.			Each
	Double pole. Cat-A.					

15.00	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:-	1	Nos.				Each
i	Double door-8 way	2	Nos.				Each
ii	Double door-12 way	10	Nos.				Each
16.00	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required:- Make : Usha / Bajaj / Anchor Panasonic.						
	Exhaust Fan, Light duty, (Domestic) 300 mm sweep						
17.00	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required:-	1	Nos.				Each
18.00	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of Non-return valve, Dead weight safety valve, 2 No C.P. connection rods 18" long, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required:-						
	25 Ltr Cat-A	2	Nos.				Each
							TOTAL


 Executive Engineer,
 Electrical Division,
 HP PWD Mandi D

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					Estimated cost:- Rs 271925/- only
					Earnest Money :- Rs. 5450/- Only
					Time :- one month
Schedule of quantity					
NAME OF WORK:-Prov. Yard light in campus of rest house at Koksar Distt. L&S (H.P)					
S.No.	DESCRIPTION	QTY.	RATE	rates in words	UNIT AMOUNT
1	Supply and erection Campus LED steel pole with LED fitting single arm bracket fixture are made of Die cast aluminium base and spun aluminium top fitted with LED PT Module,Power LED's are mounted directly on inbuilt extruded Alum. Heat Sinks. AUV stabilized injection moulded P.C. diffuser is provided for glare Free lighting with high Visual comfort as required complete with all respect as per the satisfaction of the Engineer-in-charge.Make:- Twinkle / Bajaj / K-lite.	5 Nos.			Each
					TOTAL


 Executive Engineer,
 Electrical Division,
 HP PWD Mendi

