

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 from approved and eligible contractors enlisted in appropriate class in HPPWD (Electrical) department having valid Electrical license, so as to reach in his office on or before 12.09.2024 up to 03.00 P.M. and will be opened on the same day at 03.30 P.M. in the presence of intending contractors or their authorized representatives. The application for issuing of tender form will be received in his office against cash payment Rs. 350/- (Non-refundable) for each work on or before 12.09.2024 up to 01:00 P.M. and the tender forms can be had from his office on same day. The application for the purchase of the tender documents should be accompanied with earnest money of each work separately in the shape of National Saving Certificate/FDR/ Call Deposit / Bank draft of any Schedule Bank / Post Office duly pledged in favour of the Executive Engineer, Electrical Division, HP.PWD, Mandi (H.P.). Conditional tenders and the tenders received without earnest money will be rejected. The receipt of application for issue of tender forms by post shall not be entertained / considered in any case. The tender forms shall be issued to registered Contractors or their authorized representatives. The copy of enlistment / renewal order and valid Electrical License shall be attached with the application for purchase the tender document. The ambiguous / telegraphic / conditional / fax / E-mail or by post tenders shall also not be entertained / considered in any case. The tender shall be issued to those Contractors / Firms who are found eligible, suitable and competent. The decision of the Executive Engineer regarding suitability / eligibility / competency of Contractors/ Firms shall be final binding on the Contractors / Firms applying for the issuing of the tender. The offer for the tenders shall be kept open for 120 days. The Executive Engineer reserves the right to reject the tender without assigning any reasons, if there happens to be any holiday the same will be opened on next working day.

Work No. 1:- C/o Government High School Building at Kanda Sorta Tehsil Karsog District Mandi HP (SH: Providing E.I therein)
Estimated Cost: Rs. 292153/-only, Earnest money: Rs. 5850/- only, Time allowed: - Along with civil work.

Work No. 2:- Providing Yard Lighting in the campus of HPPWD Rest House at Dhanotu Tehsil Sunder Nagar District Mandi HP
Estimated Cost: Rs. 496817/-only, Earnest money: Rs. 9950/- only, Time allowed: - Along with civil work.

Work No. 3:- Providing E.I in newly constructed Toilet Block and additional room in HPPWD Division Dharmpur, District Mandi HP
Estimated Cost: Rs. 297479/-only, Earnest money: Rs. 5950/- only, Time allowed: - One Month

Work No. 4:- Supplying, Installation, Testing and Commissioning of 5 Nos. 1.5 tonne 5 star Hot & Cold Air Conditioners in the HPPWD Division, Manali at Katrain District Kullu HP
Estimated Cost: Rs. 499630/-only, Earnest money: Rs. 10000/- only, Time allowed: - Two Months.

Work No. 5:- Replacement of Old Fixture to new LED fixture of Executive Engineer's Residence and repair maintenance work of Superintending Engineer and Superintendent Gr II quarter at Kullu District Kullu HP
Estimated Cost: Rs. 191178/-only, Earnest money: Rs. 3850/- only, Time allowed: - One Month.

Work No. 6:- Replacment of Old Light Fixture to new LED fixture and other protection system residence of the Assistant Engineer (Type-III Quarter) near HPPWD Division office Kullu District Kullu HP
Estimated Cost: Rs. 106928/-only, Earnest money: Rs. 2150/- only, Time allowed: - One Month.

Work No. 7:- C/o Sub Centre Building a Pinni Tehsil and District Kullu HP (SH: Providing E.I therein)
Estimated Cost: Rs. 280040/-only, Earnest money: Rs. 5600/- only, Time allowed: - Along with civil work.

Work No. 8:- Providing and fixing 2 tonne capacity H/C air Conditioner at Dev Sadan and District Kullu HP
Estimated Cost: Rs. 357882/-only, Earnest money: Rs. 7160/- 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. In case of discrepancy in the rates quoted by the contractor in words and figures, the rates quoted in words shall be taken as correct and not the rates quoted in figures
4. The eligible contractor should submit performance certificate for specialized jobs as required
5. Conduit pipe is to be laid simultaneously with the progress of civil work, wherever applicable
6. The tendered amount should be within the limit of (+) 5% to (-) 10%. Notification dated 07.10.2021 and 10.05.2023 shall be applicable for Bid price lower than -10% and more than +5%.

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

No.PW-MED/TA/NIT/2024-2025---

2532-47

Dated: 30-8-24

Copy forwarded to the following for information please:-

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

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

4.

Job- /	Estimated Cost:- Rs.292153 /- only					
	Earnest Money:- Rs 5850/- only					
	Time:- Along with civil work .					
Draft Schedule Of Quantity						
Name of work:- C/O Govt. High School building at Kanda Sorta Tehsil Karsog Distt. Mandi H.P.(SH:-C/O Library, Laboratory, Two class room i/c staircase)(SH:- Providing E.I. therein)						
Sr. No	Description	Qty.	In figure	Rate In words	Units	Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (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, complete in all respect as per entire satisfaction of Engineer- in- Charge. Group C Make:- PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI	58	Nos	1318.00	Rupees One Thousand Three Hundred Eighteen Only	Each
2	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 as per entire satisfaction of engineer in charge. (Computer Point) Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	5	Nos	1069.00	Rupees One Thousand SixtyNine Only	Each
3	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 (Myriu) / L&T (Entice) / Anchor /SSK / ABB	7	Nos	494.00	Rupees Four Hundred NinetyFour Only	Each
4	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 (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	3	Nos	616.00	Rupees Six Hundred Sixteen Only	Each
5	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 ESS KA	1	Nos	88.00	Rupees EightyEight Only	Each
6	Providing & fixing LED batten of 18 Watt of to enhance the delight of occupants with comfortable experience through its classic design & glare free illumination of Jaquar make as per Cat no. LGLZ01X020XC complete with Connection, testing commissioning etc as required, complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Wipro / Bajaj / Phillips / (Twinkle) Lux Max / Jaquar. Max / Jaquar.	41	Nos	646.00	Rupees Six Hundred FortySix Only	Each

7	Providing, Installation, testing and commissioning of ceiling fan with step type fan regulator white in colour including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required. complete in all respect as per entire satisfaction of Engineer-in-Charge. i) Ceiling Fan 1200 mm. Cat-A Make :- Usha / Havells / Bajaj / Anchor Panasonic in-Charge.	14	Nos	2818.00	Rupees Two Thousand Eight Hundred Eighteen Only	Each	39452.00
8	P/E LED Street light Fitting with cast aluminium body toughened glass and high power LEDs. With Lenses complete with connections testing etc. as required. complete in all respect as per entire satisfaction of Engineer-in-Charge. Make : Wipro / Bajaj / Phillips / (Twinkle) Lux Max / Jaquar. Max / Jaquar.	2	Nos	2757.00	Rupees Two Thousand Seven Hundred FiftySeven Only	Each	5514.00
9	Supplying and erection of street light bracket made of G.I. pipe 'A' class of suitable length and dia, the pipe bended to give an angle of 100 to 110 degree fitted with bolt & nuts at the top of existing pole or wall including painting the pipe with two coats of approved paint over priming coat complete in all respects as required. complete in all respect as per entire satisfaction of Engineer-in-Charge. i) 32 mm dia. G.I. pipe, heavy class	2	Nos	567.00	Rupees Five Hundred SixtySeven Only	Each	1134.00
10	Providing and erection of 6 amps. To 32 amps rating 10 KA breaking capacity, 240 volts, "C" curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required. complete in all respect as per entire satisfaction of Engineer-in-Charge. Make : L&T / Legrand / Siemens.	12	Nos	281.00	Rupees Two Hundred EightyOne Only	Each	3372.00
i)	Single pole. Cat-A.						
11	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required. complete in all respect as per entire satisfaction of Engineer-in-Charge. Make : L&T / Legrand / Siemens.	1	Nos	1320.00	Rupees One Thousand Three Hundred Twenty Only	Each	1320.00
i)	Double pole. Cat-A						
12	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamps in the existing MCB DB complete with connections, testing and commissioning etc. as required. complete in all respect as per entire satisfaction of Engineer-in-Charge. i) 63 Amps Cat-A Make : L&T / Legrand / Siemens.	1	Nos	3931.00	Rupees Three Thousand Nine Hundred ThirtyOne Only	Each	3931.00
13	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required. complete in all respect as per entire satisfaction of Engineer-in-Charge. Make : L&T / Legrand / Siemens.	1	Nos	3461.00	Rupees Three Thousand Four Hundred SixtyOne Only	Each	3461.00
i)	Double door-16 way						
14	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. HFR/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:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI/L&T	155	Metre	210.00	Rupees Two Hundred Ten Only	Per Metre	32550.00

15	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required complete in all respect as per entire satisfaction of Engineer- in- Charge. i) 3x1.5 Sq. mm. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI	40	Metre	98.00	Rupees NinetyEight Only	Per Metre	3920.00
16	Wiring for power plug with 2x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respect as per entire satisfaction of engineer in charge. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI/L&T.	100	Metre	324.00	Rupees Three Hundred TwentyFour Only	Per Metre	32400.00
17	Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 2 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respect as per entire satisfaction of engineer in charge. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI/L&T.	60	Metre	551.00	Rupees Five Hundred FiftyOne Only	Per Metre	33060.00
18	Wiring for circuit / sub-main with 2x10 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.6 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI	20	Metre	588.00	Rupees Five Hundred EightyEight Only	Per Metre	11760.00
19	Earthing with G.I. earth pipe 4.5 mtr. long and 40mm dia , including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required.complete in all respect as per entire satisfaction of Engineer- in- Charge. Copper Pure)	1	Nos	4354.00	Rupees Four Thousand Three Hundred FiftyFour Only	Each	4354.00
20	Extra for using salt and charcoal for G.I. or copper plate earth electrode complete as required.complete in all respect as per entire satisfaction of Engineer- in- Charge.	1	Metre	1256.00	Rupees One Thousand Two Hundred FiftySix Only	Per Metre	1256.00
21	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.complete in all respect as per entire satisfaction of Engineer- in- Charge.	25	Nos	40.00	Rupees Fourty Only	Each	1000.00
	Total						292153.00

Draft schedule of quantity checked and approved for Rs. 292153/-only.

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

Job- 2						Estimated Cost:- Rs.496817/-only.	
						Earnest Money :- Rs.9950/-only.	
						Time :- Along with civil work.	
Draft SCHEDULE OF QUANTITY							
Name of work:- Providing Yard Lighting in the Campus of HP PWD Rest House at Dhanotu Tehsil Sunder Nagar Distt. Mandi							
Sr. No.	Description	Qty.	In figure	In words	Units	Amount	
1	Supplying and Decorative Steel Poles having cat no. LuxMax-SP-114-301-Q2-3mtr. are made out of galvanised mild steel tubes having 114 mm and 60/75mm dia at Top with cast aluminium Embellishments-Q3. The poles are primer coated and painted with Polyurethane paint poles are suitable for Single/Double/Triple/Four way 25 amp connector terminal and a MCB,Poles hasa mild steel base plate having four nub-mbers mounting holesasper drawing and can be mounted with four numbers anchor bolt complete w.e.f. RCC muf as required complete in all respect.as required complete with all respect as per the satisfaction of the Engineer-in-charge. Make:- Twinkle / Bajaj / K-lite.	13	Nos. 14736.00	Rupees Fourteen Thousand Seven Hundred ThirtySix Only	Each	191568.00	
2	Supplying and fixing post Top fixture are made out of spun alum. Top and dia cast alum. base fitted with LED PT module Having cat No LuxMax-P-T-172 E-27 in the existing post top fixture Power LED's mounted on metal clad PCB's are finally directly mounted Extruded/ Dia cast Aluminum Heat Sinks. A UV Stabilized injection moulded prismatic PC diffuser is provided for Glare free lighting with hight Visual comfort as required copmlte with all respect as per the satisfaction of the Engineer-in-charge. Make: Twinkle	13	Nos. 11311.00	Rupees Eleven Thousand Three Hundred Eleven Only	Each	147043.00	
3	Supplying and fixing Decorative small LED post of fixture are made out of spun alum. Top and dia cast alum. base fitted with LED PT module Having cat No LuxMax-P-T-154L E-27 in the existing post top fixture Power LED's mounted on metal clad PCB's are finally directly mounted Extruded/ Dia cast Aluminum Heat Sinks. A UV Stabilized injection moulded prismatic PC diffuser is provided for Glare free lighting with hight Visual comfort on existing gate light as required copmlte with all respect as per the satisfaction of the Engineer-in-charge. Make: Twinkle	3	Nos. 7534.00	Rupees Seven Thousand Five Hundred ThirtyFour Only	Each	22602.00	
4	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required complete with all respect as per the satisfaction of the Engineer-in-charge.i) 3X 1.5 Sq. mm Make:- PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	51	Metre	Rupees NinetyEight Only	Per Metre	4998.00	
5	Providing, laying and fixing of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade on surface etc. as required complete with all respect as per the satisfaction of the Engineer-in-charge.. I) . Armoured cable 6 sq. mm (twin core) Make : CCI/ Universal/ Finolex / Polycab / Rallison / Grandlay / KEI	318	Metre	Rupees Two Hundred Three Only	Each	64554.00	

6	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 with all respect as per the satisfaction of the Engineer-in-charge. Make:- BEC, NIC, AKG								
i)	25 mm Dia	75	Metre	130.00	Rupees One Hundred Thirty Only	Per Metre	9750.00		
ii)	75 mm Dia	150	Metre	160.00	Rupees One Hundred Sixty Only	Per Metre	24000.00		
ii)	110 mm Dia	45	Metre	217.00	Rupees Two Hundred Seventeen Only	Per Metre	9765.00		
7	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 with all respect as per the satisfaction of the Engineer-in-charge..i) Double Door 4 Way Make L&T / LEGRAND / SIEMENS.	1	Nos.	1786.00	Rupees One Thousand Seven Hundred EightySix Only	Each	1786.00		
8	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 with all respect as per the satisfaction of the Engineer-in-charge. Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI . i) 2x6 Sq. mm.	7	Metre	591.00	Rupees Five Hundred NinetyOne Only	Per Metre	4137.00		
9	Providing & fixing Cable Junction Box IP66 (Grey) with integrated membranes/metric knockouts for cable entry, HENSEL make as per Cat No. DK 0600G complete with Connection,testing commissioning etc as required complete with all respect as per the satisfaction of the Engineer-in-charge.	3	Nos.	1334.00	Rupees One Thousand Three Hundred ThirtyFour Only	Each	4002.00		
10	supplying and fixing LED Bulb 30 Watt in existing LED post of fixture as required complete with all respect as per the satisfaction of the Engineer-in-charge. Make:- Havells	16	Nos.	735.00	Rupees Seven Hundred ThirtyFive Only	Each	11760.00		
11	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 with all respect as per the satisfaction of the Engineer-in-charge. Make : L&T / Legrand / Siemens.Single pole. Cat-A.	3	Nos.	284.00	Rupees Two Hundred EightyFour Only	Each	852.00		
	Total						496817.00		

Draft schedule of quantity checked and approved for Rs. 4,96,817/-only.

Executive Engineer,
Electrical Division,
HPPWD Mandi (HP)

Job- 3						Estimated Cost:- Rs.297479 /-only.	
						Earnest Money :- Rs.5950/-only.	
						Time :- One Month	
Draft SCHEDULE OF QUANTITY							
Name of work:- Providing E.I. in Newly Constructed Toilet block and Additional Room in HPPWD Division Dharampur District Mandi (H.P.)							
Sr. No.	Description	Qty.	In figure	In words	Rate	Units	Amount
1.00	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	25	Nos	1318.00	Rupees One Thousand Three Hundred Eighteen Only	Each	32950.00
2.00	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in PVC Casing and capping with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	24	Nos	1246.00	Rupees One Thousand Two Hundred FortySix Only	Each	29904.00
3.00	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	6	Nos.	494.00	Rupees Four Hundred NinetyFour Only	Each	2964.00
4.00	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	6	Nos.	616.00	Rupees Six Hundred Sixteen Only	Each	3696.00
5.00	Supplying and fixing G I modular Box of 205 mm x78mmx50mm size with modular plate and cover in recess including providing and fixing 3 Nos 5 pin 5/6 Amps modular socket outlet, 3 Nos 5/6 Amps modular switch, as required etc.as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class). (Computer Point)	6	Nos.	1079.00	Rupees One Thousand SeventyNine Only	Each	6474.00
6.00	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. Make : L&T / Legrand / Siemens.	17	Nos.	284.00	Rupees Two Hundred EightyFour Only	Each	4828.00
i)	Single pole. Cat-A.						

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 complete in all respect. Make : L&T / Legrand / Siemens..	3	Nos.	1324.00	Rupees One Thousand Three Hundred TwentyFour Only	Each	3972.00
i)	Double pole Cat-A						
8.00	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required complete in all respect as per entire satisfaction of Engineer-in- Charge. Make : L&T / Legrand / Siemens..	2	Nos.	2905.00	Rupees Two Thousand Nine Hundred Five Only	Each	5810.00
i)	40 Amps. (Category-A)						
9.00	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus- bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required complete in all respect. Make L&T / LEGRAND / SIEMENS.						
i)	Double door-8 way	1	Nos	2243.00	Rupees Two Thousand Two Hundred FourtyThree Only	Each	2243.00
ii)	Double door-12 way	2	Nos	2711.00	Rupees Two Thousand Seven Hundred Eleven Only	Each	5422.00
10.00	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.						
i)	2x1.5 Sq. mm.	100	Metre	215.00	Rupees Two Hundred Fifteen Only	Per Metre	21500.00
ii)	2x4.0 Sq. mm.	60	Metre	329.00	Rupees Three Hundred TwentyNine Only	Per Metre	19740.00
iii)	2x6.0 Sq. mm.	35	Metre	454.00	Rupees Four Hundred FiftyFour Only	Per Metre	15890.00
iii)	2x10 Sq. mm.	25	Metre	603.00	Rupees Six Hundred Three Only	Per Metre	15075.00
11.00	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make:- PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.						
11.01	3 x 1.5 Sq. mm.	70	Metre	98.00	Rupees NinetyEight Only	Per Metre	6860.00
11.02	3 x 4 Sq. mm.	40	Metre	220.00	Rupees Two Hundred Twenty Only	Per Metre	8800.00

12.00	Providing, installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Usha / Havells / Bajaj .	10	Nos	2655.00	Rupees Two Thousand Six Hundred FiftyFive Only	Each	26550.00
i)	Ceiling fan 1200 mm sweep (Category -A)						
13.00	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make: Bajaj , Usha, Anchor	8	Nos	2244.00	Rupees Two Thousand Two Hundred FortyFour Only	Each	17952.00
i)	Exhaust Fan, Light duty, (Domestic) 300 mm sweep						
14.00	Providing and fixing LED Recessed 24 W LED 6500 K Of (Jaquar NERO Plus Recessed slim Square/ Round Panel) Make having cat No LHEAABP7IL1W024) LNEP01S024XW) 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 .	12	Nos.	1517.00	Rupees One Thousand Five Hundred Seventeen Only	Each	18204.00
15.00	Supplying & fixing DOWN LIGHT 12W Surface LED Round / Square light of Hevelis Make Having Cat No (LHEAAKP7IL1W012 / LHEAAHP7IL1W012) with aluminium housing,complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max .	16	Nos	1014.00	Rupees One Thousand Fourteen Only	Each	16224.00
16.00	Supplying and fixing of Batten holder including making connections, testing etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make:- Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Luminaires .	2	Nos.	88.00	Rupees EightyEight Only	Each	176.00
17.00	Supplying and fixing of following sizes of PVC conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : AKG/ BEC / NIC/ Diplast.	50	Metre	130.00	Rupees One Hundred Thirty Only	Per Metre	6500.00
i)	25 mm. dia						
ii)	Providing and fixing of following sizes of PVC casing and capping on surface as required complete in all respect as per entire satisfaction of Engineer- in- Charge..						
iii)	(i) 25 mmx 15 mm	50	Metre	65.00	Rupees SixtyFive Only	Per Metre	3250.00
18.00	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc.as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	1	Nos	144.00	Rupees One Hundred FortyFour Only	Each	144.00
i)	Telephone socket outlet, Modular.						
19.00	Supplying and drawing following pair of Fire Retardant, PVC insulated 0.5 sq.mm. (FR-Flexible) copper conductor, flat, unarmoured, telephone cable in existing surface / recessed, steel / PVC conduit as required complete in all respect as per entire satisfaction of Engineer- in- Charge.	80	Metre	41.00	Rupees FortyOne Only	Per Metre	3280.00
i)	2 Pair					Each	

20.00	Supplying and laying of Cat-6 cable of approved make as required complete in all respect and as directed by the Engineer in charge.	150	Metre	93.00	Rupees NinetyThree Only	Per Metre	13950.00
21.00	Supplying and fixing 01 RJ-45 single for Cat-6 cable including connections, etc. as required complete in all respect as per entire satisfaction of Engineer-in-Charge.	6	Nos.	588.00	Rupees Five Hundred EightyEight Only	Each	3528.00
22.00	Supplying & fixing of 8 port manage ethernet switch complete with Connection,testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge.	1	Nos	1593.00	Rupees One Thousand Five Hundred NinetyThree Only	Each	1593.00
	Total						297479.00

Draft schedule of quantity checked and approved for Rs. 297479/- only.

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

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	Job-4							Estimated Cost- Rs.499630/- only	
								Earnest Money:- Rs.10000 /- only	
								Along With Civil Work	
	Draft Schedule Of Quantity								
Name of work:- SITC of 5 nos, 1.5 ton 5 star hot and cold AIR CONDITIONERS In the HPPWD DIVISION Building Manali AT KATRAIN									
Sr. No.	Description	Qty	In figure	Rate	Units	Amount			
1	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No. HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required..complete in all respect as per entire satisfaction of Engineer-in- Charge..Makes: kei, PLAZA ,anchor	5	301.00	Rupees Three Hundred One Only	Per Metre	1505.00			
i)	2x4.0 Sq. mm.								
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..complete in all respect as per entire satisfaction of Engineer- in- Charge. Makes: I&t,ABB,anchor	5	1249.00	Rupees One Thousand Two Hundred FortyNine 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..complete in all respect as per entire satisfaction of Engineer- in- Charge..-Makes: I&t,ABB,legrand	5	284.00	Rupees Two Hundred EightyFour Only	Each	1420.00			
i)	Single pole. Cat-A.								
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 as per entire satisfaction of Engineer- in- Charge. Make :-lloyd, voltas ,Daiken, o general or equivalent	5	98092.00	Rupees NinetyEight Thousand NinetyTwo Only	Each	490460.00			
						499630.00			

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

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

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Job- 5							Estimated Cost:- Rs.191178 /-only.
							Earnest Money :- Rs.3850/-only.
							Time :- One Month
Draft SCHEDULE OF QUANTITY							
Name of work:- Replacement of old fixture to new LEDs fixture of XEN Residence and R/M work of S.E Residence and Supdtt. Gr II qtr at Kullu Distt. Kullu (HP)							
Sr. No.	Description	Qty.		Rate		Units	Amount
				In figure	In words		
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in PVC casing & capping and earthing the light point with 1.5 Sq. mm. HRFRLS/PVC insulated single core copper conductor cables required complete in all respect as per entire satisfaction of Engineer-in- Charge. Group -A Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	15	Nos	691.00	Rupees Six Hundred NinetyOne Only	Each	10365.00
3	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 PVC casing & capping along with 1 No. 1.5 Sq. mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required. Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.						
i)	2 x 1.5 sq. mm	20	Metre	186.00	Rupees One Hundred EightySix Only	Per Metre	3720.00
ii)	2 x 4 sq. mm	36	Metre	301.00	Rupees Three Hundred One Only	Per Metre	10836.00
iii)	2 x 10 sq. mm	68	Metre	557.00	Rupees Five Hundred FiftySeven Only	Per Metre	37876.00
4	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required complete in all respect as per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.						
i)	3x1.5 Sq. mm.	130	Metre	98.00	Rupees NinetyEight Only	Each	12740.00
ii)	3x4.0 sq mm	30	Metre	220.00	Rupees Two Hundred Twenty Only	Each	6600.00
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 complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB	15	Nos	314.00	Rupees Three Hundred Fourteen Only	Each	4710.00
6	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 6 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB	6	Nos	489.00	Rupees Four Hundred EightyNine Only	Each	2934.00
7	Supplying & fixing wall bracket fitting single lamp with Opal glass with Nickel finishing Wall Lamp, holder cap E27 , complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge .Make : Wipro / Bajaj / Philips / Jaquar / (Twinkle) Lux Max ,Havells .	2	Nos	2212.00	Rupees Two Thousand Two Hundred Twelve Only	Each	4424.00

8	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required. complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Usha / Havells / Bajaj / Anchor Panasonic	2	Nos	2244.00	Rupees Two Thousand Two Hundred FortyFour Only	Each	4488.00
i)	Exhaust Fan, Light duty, (Domestic) 300 mm sweep						
9	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 : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max ,Havells .	22	Nos	810.00	Rupees Eight Hundred Ten Only	Each	17820.00
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 / Havells / Bajaj / Anchor Panasonic	4	Nos	2590.00	Rupees Two Thousand Five Hundred Ninety Only	Each	10360.00
i)	Ceiling Fan 1200 mm sweep						
11	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 as per entire satisfaction of the Engineer in charge. Make : L&T / Legrand / Siemens.	6	Nos	284.00	Rupees Two Hundred EightyFour Only	Each	1704.00
i)	Single pole 10 Amp.+20 amp Cat-A.						
12	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make : L&T / Legrand / Siemens.	2	Nos	2905.00	Rupees Two Thousand Nine Hundred Five Only	Each	5810.00
i)	40 Amps, (Category-A)						
13	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required. complete in all respect as per entire satisfaction of Engineer- in- Charge. -Make : L&T / Legrand / Siemens.	3	Nos	1324.00	Rupees One Thousand Three Hundred TwentyFour Only	Each	3972.00
i)	Double pole, (Category-A)						
14	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus- bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required. complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : L&T / Legrand / Siemens.	3	Nos	2243.00	Rupees Two Thousand Two Hundred Forty Three Only	Each	6729.00
i)	Double door-8 way						
15	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of 2 No C.P. connection rods 18" long, making good the damages, electrical connections, testing and commissioning etc. as required. complete in all respect as per entire satisfaction of Engineer- in- Charge. Make:- BAJAJ/ USHA /RECOLD/ cromption/ greaves/ Havells.	1	Nos	13769.00	Rupees Thirteen Thousand Seven Hundred SixtyNine Only	Each	13769.00
i)	25 Liter capacity water heater (Cat-A)						

16	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 / (Twinkle) Lux Max, Havells .	9	Nos	1079.00	Rupees One Thousand SeventyNine Only	Each	9711.00
17	Supplying and fixing call bell Ding Dong suitable for D.C./A.C. single phase, 230 volts complete as required, complete in all respect as per entire satisfaction of Engineer-in-charge. Make: ANCHOR , CONA , ESS ESS KAY .	1	Nos	281.00	Rupees Two Hundred EightyOne Only	Each	281.00
18	Supplying & fixing 10 Watt LED mirror light High quality aluminium extruded with decorative end caps complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max, Havells	4	Nos	499.00	Rupees Four Hundred NinetyNine Only	Each	1996.00
19	Supplying & fixing 45 Watt LED Street light in aluminium pressure die cast housing with toughened glass cover (IP66 rating) complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max, Havells .	2	Nos	3847.00	Rupees Three Thousand Eight Hundred FourtySeven Only	Each	7694.00
20	Supplying and fixing of following sizes of PVC conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required complete in all respect as per entire satisfaction of Engineer-in-charge. i) 25 mm .Make:-PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	75	Metre	130.00	Rupees One Hundred Thirty Only	Per Metre	9750.00
25	Supplying and fixing Metal boxes of 200mmx150mmx75mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 5/6 amps socket 3 Nos. outlet and 5/6 amps, piano type switch, 3 Nos. connections, painting etc.as required complete in all respect as per entire satisfaction of Engineer-in-charge. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB	5	Nos	55.00	Rupees FiftyFive Only	Each	275.00
26	Supplying & fixing 10 Watt LED Bed light complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max, Havells .	2	Nos	1307.00	Rupees One Thousand Three Hundred Seven Only	Each	2614.00
	Total						191178.00

Draft Schedule of Quantity checked and approved for Rs. 1,91,178/- only.

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

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Job- 6					Estimated Cost:- Rs.106928/-only.	
					Earnest Money :- Rs.2150/-only.	
					Time :- One Month	
Draft SCHEDULE OF QUANTITY						
Name of work:- Replacement of old light fixture to new LED Fixture and other protection system Residence of the Assistant Engineer (Type -III Qtr) near HP PWD						
Div. Office Kullu Distt. Kullu (HP)						
Sr. No.	Description	Qty.	In figure	Rate In words	Units	Amount
1	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 as per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.					
i)	3x1.5 Sq. mm.	60	98.00	Rupees NinetyEight Only	Per Metre	5880.00
ii)	3x4.0 sq mm	75	220.00	Rupees Two Hundred Twenty Only	Per Metre	16500.00
2	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps, piano type switch, connections, painting etc.as required complete in all respects as per entire satisfaction of the Engineer in charge. Make:- ESS ESS KAY/ COSMO / Anchor.	9	304.00	Rupees Three Hundred Four Only	Each	2736.00
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 respects as per entire satisfaction of the Engineer in charge. Make:-Make:- ESS ESS KAY/ COSMO / Anchor.	7	480.00	Rupees Four Hundred Eighty Only	Each	3360.00
4	Supplying & fixing wall bracket fitting single lamp with Opal glass with Nickel finishing Wall Lamp, holder cap E27 , complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max Havells .	4	2207.00	Rupees Two Thousand Two Hundred Seven Only	Each	8828.00
5	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required complete in all respects as per entire satisfaction of the Engineer in charge. i) Exhaust Fan, Light duty, (Domestic) 300 mm sweep. Make : Usha / Bajaj / Anchor Panasonic.	2	2244.00	Rupees Two Thousand Two Hundred FourtyFour Only	Each	4488.00

6	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 : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max, Havells.	3	Nos	810.00	Rupees Eight Hundred Ten Only	Each	2430.00
7	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 / (Twinkle) Lux Max, Havells.	3	Nos	1459.00	Rupees One Thousand Four Hundred FiftyNine Only	Each	4377.00
8	Providing, Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required complete in all respect as per entire satisfaction of Engineer-in-charge. i) Ceiling Fan 1200 mm sweep. Make : Usha / Bajaj / Anchor Panasonic.	3	Nos	2590.00	Rupees Two Thousand Five Hundred Ninety Only	Each	7770.00
9	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respects per entire satisfaction of the Engineer in charge. i) Single pole 10 Amp. Make : L&T / Legrand / Siemens.	12	Nos	284.00	Rupees Two Hundred EightyFour Only	Each	3408.00
10	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliampers 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. i) 63 Amps.(Category-A) Make : L&T / Schneider / ABB / Legrand.	1	No	3935.00	Rupees Three Thousand Nine Hundred ThirtyFive Only	Each	3935.00
11	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. i). Double pole.(Category-A). Make : L&T / Schneider / ABB / Legrand.	1	No	1324.00	Rupees One Thousand Three Hundred TwentyFour Only	Each	1324.00
12	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:- i) Double door-16 way. Make L&T / LEGRAND / SIEMENS.	1	Nos	3478.00	Rupees Three Thousand Four Hundred SeventyEight Only	Each	3478.00

13	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:- i) 25 Liter capacity water heater (Cat-A). Make:- BAJAJ/ USHA /RECOLD/ cromption/ greaaves/ Havells.	1	Nos	13769.00	Rupees Thirteen Thousand Seven Hundred SixtyNine Only	Each	13769.00
14	Providing and installation of stationary Instant type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of 2 No C.P. connection rods 18" long, making good the damages, electrical connections, testing and commissioning etc. as required complete in all respects per entire satisfaction of the Engineer in charge. i) 3 Liter capacity Instant water heater (Cat-A) Make:-BAJAJ/ USHA /RECOLD/ cromption/ greaaves/ Havells.	1	Nos	4948.00	Rupees Four Thousand Nine Hundred FortyEight Only	Each	4948.00
15	Supplying and fixing call bell / buzzer, suitable for D.C./A.C. single phase, 230 volts complete as required complete in all respects per entire satisfaction of the Engineer in charge. Make: ANCHOR . CONA . ESS ESS KAY .	1	Nos	279.00	Rupees Two Hundred SeventyNine Only	Each	279.00
16	Supplying & fixing 10 Watt LED mirror light High quality aluminium extruded with decorative end caps complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max ,Havells .	2	Nos	499.00	Rupees Four Hundred NinetyNine Only	Each	998.00
17	Supplying & fixing 24 Watt Ultra slim LED panel made from extruded aluminium housing frame Surface/recess/pendant)1ft x1ft approx. complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max ,Havells .	8	Nos	2365.00	Rupees Two Thousand Three Hundred SixtyFive Only	Each	18920.00
	Total						107428.00
	Dismantal credit(-)						500
	Total						106928.00

Draft schedule of quantity checked and approved for Rs. 106928/- only.

Executive Engineer,
Electrical Division,
HPPWD Mandi (HP)

Job-7						Estimated Cost:- Rs.280040/-only.
						Earnest Money :- Rs.5600/-only.
						Time :- Along with Civil work
Draft SCHEDULE OF QUANTITY						
Name of work:- C/O Sub Centre Building at Pinni Tehsil and Distt. Kullu (HP)(SH. Prov. E.I Therein)						
Sr. No.	Description	Qty.	In figure	Rate In words	Units	Amount
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit with modular switch, 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 respectas per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	20	Nos.	924.00	Rupees Nine Hundred TwentyFour Only	Each
i)	Group A	20	Nos.	1318.00	Rupees One Thousand Three Hundred Eighteen Only	Each
ii)	Group C	2	Nos.	1311	Rupees One Thousand Three Hundred Eleven Only	Each
2	Wiring for twin control light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit, with 2-way modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cableas required complete in all respectas per entire satisfaction of the Engineer in charge. Group C. Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.					
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 Steel conduit along with 1 No. HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required complete in all-respectas per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.					
i)	2x1.5 Sq. mm.	90	Metre	215	Rupees Two Hundred Fifteen Only	Per Metre
ii)	2x4.0 Sq. mm.	140	Metre	329.00	Rupees Three Hundred TwentyNine Only	Per Metre
iii)	2x6 Sq. mm.	9	Metre	454.00	Rupees Four Hundred FiftyFour Only	Per Metre

4	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	10	Nos.	494	Rupees Four Hundred NinetyFour Only	Each	4940.00
5	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	10	Nos.	616	Rupees Six Hundred Sixteen Only	Each	6160.00
6	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 respectas per entire satisfaction of the Engineer in charge. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	1	Nos.	1079	Rupees One Thousand SeventyNine Only	Each	1079.00
7	Wiring for circuit / sub-main with 4x4 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.4 Sq.mm. (4X4+2X4)HFRFLS/PVC insulated single core copper conductor cable for earthing as required complete in all respectas per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	60	Metre	556.00	Rupees Five Hundred FiftySix Only	Per Metre	33360.00
8	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 respectas per entire satisfaction of the Engineer in charge. i) 3x1.5 Sq. mm. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	40	Metre	98.00	Rupees NinetyEight Only	Per Metre	3920.00
9	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respectas per entire satisfaction of the Engineer in charge. Make : L&T / Legrand / Siemens.	16	Nos.	284.00	Rupees Two Hundred EightyFour Only	Each	4544.00
i)	Single pole Cat-A.						
10	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc.as required complete in all respectas per entire satisfaction of the Engineer in charge. Make : L&T / Legrand / Siemens.	2	Nos.	1324.00	Rupees One Thousand Three Hundred TwentyFour Only	Each	2648.00
11	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 respectas per entire satisfaction of the Engineer in charge. i) 63 Amps.(Category-A) Make : L&T / Schneider / ABB / Legrand.	2	Nos.	3935	Rupees Three Thousand Nine Hundred ThirtyFive Only	Each	7870.00

12	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge. i) Exhaust Fan, Light duty, (Domestic) 300 mm sweep. Make : Usha / Bajaj / Anchor Panasonic.	5	Nos.	2244.00	Rupees Two Thousand Two Hundred FortyFour Only	Each	11220.00
13	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 respects per entire satisfaction of the Engineer in charge. i) Ceiling Fan 1200 mm sweep. Make : Usha / Bajaj / Anchor Panasonic.	4	Nos.	2655.00	Rupees Two Thousand Six Hundred FiftyFive Only	Each	10620.00
14	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 :-Jaquar/ Bajaj/ Twinkle.	7	Nos.	1079.00	Rupees One Thousand SeventyNine Only	Each	7553.00
15	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 :-Jaquar/Bajaj/Twinkle.	2	Nos.	4608.00	Rupees Four Thousand Six Hundred Eight Only	Each	9216.00
16	Supplying & fixing 24 Watt Ultra slim LED panel made from extruded aluminium housing frame Surface/recess/pendant) 1ft x1ft approx. complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make :- Jaquar/Bajaj/Twinkle.	8	Nos.	2367.00	Rupees Two Thousand Three Hundred SixtySeven Only	Each	18936.00
17	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. Make :- Jaquar/Bajaj/Twinkle	3	Nos.	840	Rupees Eight Hundred Forty Only	Each	2520.00
18	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/ Bajaj/ Twinkle.	2	Nos.	499	Rupees Four Hundred NinetyNine Only	Each	998.00
19	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/Bajaj/Twinkle.	5	Nos.	1459.00	Rupees One Thousand Four Hundred FiftyNine Only	Each	7295.00
20	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.	1	Nos.	810.00	Rupees Eight Hundred Ten Only	Each	810.00
21	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required complete in all respect. Make: ANCHOR, CONA, ESS KAY.	2	Nos.	281.00	Rupees Two Hundred EightyOne Only	Each	562.00

22	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 per entire satisfaction of the Engineer in charge. Make L&T / LEGRAND / SIEMENS.	2	Nos.	3461	Rupees Three Thousand Four Hundred SixtyOne Only	Each	6922.00
i)	Double door-12 way						
23	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:- i) 25 Liter capacity water heater (Cat-A). Make:-BAJAJ/ USHA /RECOLD/ cromption/ greaaves/ Havells.	1	Nos.	13769	Rupees Thirteen Thousand Seven Hundred SixtyNine Only	Each	13769.00
25	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 respects per entire satisfaction of the Engineer in charge. Pure (Copper)	1	Set	5237.00	Rupees Five Thousand Two Hundred ThirtySeven Only	Per Set	5237.00
26	Extra for using salt and charcoal for G.I. or copper plate earth electrode completeas required complete in all respects per entire satisfaction of the Engineer in charge.	1	Set	1493.00	Rupees One Thousand Four Hundred NinetyThree Only	Per Set	1493.00
27	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 respects per entire satisfaction of the Engineer in charge.	30	Metre	47.00	Rupees FourtySeven Only	Per Metre	1410.00
	Total						280040.00

Draft Schedule of quantity Checked and approved for Rs. 280040/-only.

Executive Engineer,
Electrical Division,
HPPWD Mandi (HP)

Job- 8						Estimated Cost:- Rs.357882/-only.
						Earnest Money :- Rs.7160/-only.
						Time :- One Month
Draft SCHEDULE OF QUANTITY						
Name of work:- Providing and fixing 2 tonne capacity H/C Air Conditioners at Dev Sadan Kullu (HP)						
Sr. No.	Description	Qty.	In figure	In words	Units	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 per entire satisfaction of Engineer- in- Charge. Make:- Lloyd, Voltas, Daikin.	4	Nos	81295.00 Rupees EightyOne Thousand Two Hundred NinetyFive Only	Each	325180.00
2	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 6 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc as per entire satisfaction of Engineer- in- Charge Make :	4	Nos	489.00 Rupees Four Hundred EightyNine Only	Each	1956.00
3	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. HFR/LSPVC insulated single core copper conductor cable for earthing as per entire satisfaction of Engineer- in- Charge Make:- PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	90	Metre	329.00 Rupees Three Hundred TwentyNine Only	Per Metre	29610.00
4	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as per entire satisfaction of Engineer- in- Charge. Make : L&T / Legrand / Siemens.	4	Nos	284.00 Rupees Two Hundred EightyFour Only	Each	1136.00
	Total					357882.00

Draft Schedule of quantity Checked and approved for Rs.357882/-only.

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

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