

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

No.PW-MED-TA/Tender/ 2022-2023-

1699

Dated: 7.6.22

To

The Executive Engineer (IT Cell),
o/o Engineer-in-Chief,
Nirman Bhawan, Nigam Vihar,
HPPWD, Shimla-2

Subject: - Publishing of Tender Notice

Reference: - Engineer-in-Chief, HP.PWD, Shimla vide office letter No. PW/ CTR-32-20/ Genl. Inst./
/Tender Documents/2021-22-10953-11052 dated 24.07.2021.

"JAI HIND"

Enclose please find herewith copy of NIT (**Notice Inviting Tender**) No. 1644-94 dated 07.06.2022 for uploading the same on departmental web portal as per Govt. Notification No. PBW(B) A (3) 1/2020 dated 16.07.2021 as the works mentioned in the tender notice are of urgent nature and in public interest.

DA/ As Above.

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

Certificate

It is certified that the tenders as invited vide this office NIT No. 1644-94 dated 07.06.2022 are invited without press notice due to exigency of works in public interest.


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

**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** except Sr No. 1 from OEM (EPABX System) or authorized agency of EPABX system, so as to reach in his office on or before 20.06.2022 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 18.06.2022 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:- Supplying and installation of EPABX System in Rest House Mohal District Kullu HP Estimated Cost: Rs. 258854/-only, Earnest money: Rs. 5200/- only, Time allowed: - One Month.

Work No. 2:- Replacement of E.I in Assistant Engineer Residence at Churag, Tehsil – Karsog District Mandi HP Estimated Cost: Rs. 132825/-only, Earnest money: Rs. 2700/- only, Time allowed: - One Month.

Work No. 3:- C/o Sanskriti Sadan at Motipur, District Mandi HP (SH: Providing and Fixing Post Top Lantern Court side boundary wall therein) Estimated Cost: Rs. 494000/-only, Earnest money: Rs. 9900/- only, Time allowed: - One Month.

Work No. 4:- C/o Sanskriti Sadan at Motipur, District Mandi HP (SH: Providing and Fixing Sub Main and HDPE pipe therein) Estimated Cost: Rs. 407600/-only, Earnest money: Rs. 8200/- only, Time allowed: - One Month.

Work No. 5:- C/o Sanskriti Sadan at Motipur, District Mandi HP (SH: Providing and Fixing 400 sq mm armored cable for Transformer No. I therein) Estimated Cost: Rs. 486400/-only, Earnest money: Rs. 9750/- only, Time allowed: - One Month.

Work No. 6:- Providing E.I in J.E office-cum- Residence at Cholangarh, Tehsil Dharmpur District Mandi HP (SH: Providing E.I therein) Estimated Cost: Rs. 208182/-only, Earnest money: Rs. 4200/- only, Time allowed: - One Month.

Work No. 7:- Rewiring of HPPWD Rest House Naggar District Kullu HP (SH: Providing E.I therein) Estimated Cost: Rs. 299480/-only, Earnest money: Rs. 6000/- only, Time allowed: - One Month.

Work No. 8:- C/o Sanskriti Sadan at Motipur, District Mandi HP (SH: Providing and Fixing Main panel for VRV therein) Estimated Cost: Rs. 498000/-only, Earnest money: Rs. 10000/- only, Time allowed: - One Month

Work No. 9:- C/o Sanskriti Sadan at Motipur, District Mandi HP (SH: Providing and Fixing Flood light outside boundary wall therein) Estimated Cost: Rs. 408000/-only, Earnest money: Rs. 8200/- only, Time allowed: - One Month

Work No. 10:- C/o Sanskriti Sadan at Motipur, District Mandi HP (SH: Providing and Fixing RGB disco light, flood light 50 watt and other electrical accessories therein) Estimated Cost: Rs. 416500/-only, Earnest money: Rs. 8350/- only, Time allowed: - One Month

Work No. 11:- C/o Sanskriti Sadan at Motipur, District Mandi HP (SH: Providing Exit sign board and LED 30 watt lights therein) Estimated Cost: Rs. 351000/-only, Earnest money: Rs. 7020/- only, Time allowed: - One Month

Work No. 12:- C/o Sanskriti Sadan at Motipur, District Mandi HP (SH: Providing balance work of E.I therein) Estimated Cost: Rs. 376140/-only, Earnest money: Rs. 7550/- only, Time allowed: - One Month

Work No. 13:- C/o Sanskriti Sadan at Motipur, District Mandi HP (SH: Providing ceiling light with Bluetooth RGB LED light, armoured cable 6 sq mm (Twin core) cable for outside boundary wall lights and sub main therein) Estimated Cost: Rs. 459600/-only, Earnest money: Rs. 9200/- only, Time allowed: - One Month

Work No. 14:- C/o Sanskriti Sadan at Motipur, District Mandi, HP (SH: Providing cable 95 sq mm and 35 sq mm for Sub Panels and strip light 4.8 watt for outside boundary therein) Estimated Cost: Rs. 469050/-only, Earnest money: Rs. 9400/- 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-- 1644-94

Dated: 7.6.22

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.)

Job-1							Estimated Cost :- Rs. 258854/- Only
							Earnest Money :- Rs 5200 /- Only
							Time :- One Month.
SCHEDULE OF QUANTITY							
Name of Work : Supplying and installation of EPABX Intercom system Rest House, Mohal, District-Kullu HP.							
S.No.	Description	Qty.	In Fig.	Rate	In Words	Unit	Amount
1	Supply and installation of 1000VA LINE INTERACTIVE UPS having 1000VA / 600W Input Nominal Voltage: 230 Vac, Voltage range: 140-300 Vac (full load), Nominal Frequency: 50/60 Hz Output Voltage: 230Vac $\pm$ 10% (Battery mode), Frequency Range: 50/60 Hz $\pm$ 1 Hz, Waveform (Batt. Mode): Simulated Sinewave, Receptacle: Socket x 4, Battery Type & Number: 12V/7 Ah x2, Recharge Time: 4-6 hours to 90%, Indicator: LED including connections etc as required complete in all respects as directed by the Engineer-in-Charge Make- Delta, APC, Libert	1	No.			Each	
2	Supplying, installation, testing and commissioning of Digital IP-PBX with 6 universal Slots for expansion Cards supporting maximum no's of : 48 Single Line Analog Telephones and 100 IP Users, Exchange having Four Trunk (CO) Lines, 26 Analog Extensions, 2 Digital Extensions complete in all respect as directed by the Engineer-in-Charge. Makes: Coral, Unify, TATA, NEC, SiemensHipath, Panasonic, Matrix Telecom. Matrix Telecom	1	No.			Each	
3	Providing and fixing 9U Rack standard design as approved and directed by the Engineer-in-Charge	1	No.			Each	
4	Supplying, installation, testing and commissioning of Digital Operator Console with 20 (4 Context Sensitive Keys, 16 DSS Keys); 240x64 Pixels Graphical LCD with Backlit Display with features: Polyphonic Ringtone, Full Duplex Speaker Phone, Hold, Conference, Redial, Transfer, Message Wait Lamp, Ringer Lamp complete in all respect as directed by the Engineer-in-Charge. Makes: TATA, NEC, SiemensHipath, Panasonic, Matrix Telecom. Matrix	1	No.			Each	
5	Supplying, installation, testing and commissioning of Corded Landline Phone 3-step Ringer Volume control (High/Medium/Low) Electronic handset, wall mountable, Redial memory, Mute, Pause, Flash Redial complete in all respect as directed by the Engineer-in-Charge. Makes: Coral, Beetal, BPL, TATA	18	Nos.			Each	
6	Supply and drawing following pair of Fire Retardant PVC insulated 0.4 Sq.mm. (FR-Flexible) copper conductor, unarmoured telephone cable in existing surface/ recessed, PVC conduit as required 10 Pair including connections etc as required complete in all respects as directed by the Engineer-in-Charge	250	Metre			Per Metre	

7	Supply and drawing following pair of Fire Retardant PVC insulated 0.4 Sq. mm. (FR-Flexible) copper conductor, unarmoured telephone cable in existing surface/ recessed, PVC conduit as required 2 Pair including connections etc as required complete in all respects as directed by the Engineer-in-Charge	850	Metre			Per Metre
8	Supply and fixing PVC Modular Box of (85mm x 85mm x 40mm) size in white with modular plate and cover in recess including providing and fixing modular Telephone Sockets, RJ 11 telephone Jack single with shutter with single mounting plates 1 Module complete connections etc. as required	19	Nos.			Each
9	Supply and fixing (Krone or standard make as approved by the engg. Incharge) MDF with frame - 30 lines including punching and identification as required complete in all respect as directed by the Engineer-in-Charge	1	No.			Each
10	Supply and fixing (Krone or standard make as approved by the engg. Incharge) MDF with frame - 10 lines including punching and identification as required complete in all respect as directed by the Engineer-in-Charge.	1	No.			Each
11	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 directed by the Engineer-in-Charge.	425	Metre			Per Metre
11	25 mm. dia					
12	Supplying & laying of Double Wall Corrugated (DWC) HDPE pipes for underground power / communication / signal/ OFC cable protection as required complete in all respect in trench at site .Make : TeleRex , SriRAM , Duration etc.	150	Metre			Per Metre
12	DWC Pipe 40 mm					
13	Wiring for light plug with 2 x 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 along with 1 No. 1.5 Sq. mm. 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.	50	Metre			Per Metre
14	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 respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	50	Metre			Per Metre

Job-2							Estimated Cost :- Rs. 132825/- Only
							Earnest Money :- Rs.2700/- Only
							Time :- One Month.
SCHEDULE OF QUANTITY							
Name of work:- Residence of E.I. in Assistant Engineer Residence at Churag Tehsil - Karsog Distt Mandi H.P.							
S.No.	Description	Qty.	In Fig.	Rate		Unit	Amount
				In Words			
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect as per entire satisfaction of engineer in charge. Make:- PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	26	Nos			Each	
2	Group B. 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:- ESS KAY/ICOSMO/Anchor/L&T.	14	Nos			Each	
3	Supplying and fixing G.I. Modular box of 140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required complete in all respect as per entire satisfaction of engineer in charge. Make:- ESS KAY/ICOSMO/Anchor/L&T.	7	Nos			Each	
4	Supplying and fixing bakelite batten/angle holder including connections etc. as required Complete in all respect. Make: ANCHOR , CONA , ESS ESS KAY .	1	No.			Each	
5	Supplying and fixing call bell / buzzer, suitable for D.C./A.C. single phase,230 volts complete as required complete in all respect. (ANCHOR /CONA / ESSESKAY)	1	No.			Each	
6	Providing & fixing surface LED Downlight 12 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 complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max .	3	Nos			Each	
7	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. PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI cable make.						
i)	2x1.5 Sq. mm.	50	Metre			Per Metre	

ii)	2x4.0 Sq. mm.		50	Metre			Per Metre
iii)	2x10 Sq. mm.		2	Metre			Per Metre
8	Wiring for circuit / sub-main with 4x4 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 2 No.4 Sq.mm. (4X4+2X4)HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respect. PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI cable make.		25	Metre			Per Metre
9	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respect. Make : L&T / Legrand / ABB/ SIEMENS.		10	Nos			Each
10	Single pole, Cat-A. Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required complete in all respect. Make : L&T / Legrand / ABB / SIEMENS.		1	No.			Each
11	Double door-16 way Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respect. Make : L&T / Legrand / ABB/ SIEMENS.		1	No.			Each
12	Double pole Cat-A Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required complete in all respect. Make : L&T / Legrand / Siemens.		1	No.			Each
13	63 Amps. Cat-A. Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required complete in all respect as per entire satisfaction of Engineer-in-Charge. Make: Bajaj , Usha, Anchor		2	Nos			Each
14	Exhaust Fan, Light duty, (Domestic) 300 mm sweep Supplying and fixing of LED fancy wall bracket including making connections, testing etc. as required complete in all respect. Make:- Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Luminaires .		5	Nos.			Each
15	Supplying and fixing of LED Mirror Light including making connections, testing etc. as required complete in all respect. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Luminaires .		1	No.			Each

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Job-6						Estimated Cost :- Rs. 208182/- Only
						Earnest Money :- Rs.4200 /- Only
						Time :- One Month.
Schedule Of Quantity						
Name of work:- Providing E.I. in J.E Office- cum Residence at Cholangarh, Tehsil Dharampur District Mandi H.P. (SH: Providing E.I. there in.)						
S.No.	Description	Qty.	In Fig.	Rate	In Words	Unit
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 cable as required complete in all respect as per entire satisfaction of engineer in charge. Make:- PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.					
i) Group A		17	Nos			Each
ii) Group C		14	Nos			Each
2	Wiring for twin control light 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, with 2-way, 5/6 amps piano type switch and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required in all respect as per entire satisfaction of engineer in charge. Make:- PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	8	Nos			Each
3	Group C 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 ESS KAY / CONA/Anchor	16	Nos.			Each
4	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 6 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc. as required complete in all respect. Make- ESS ESS KAY / CONA/ANCHOR.	9	Nos.			Each
5	Supplying and fixing box of 200mm x150mm x 75mm size with phenolic laminated sheet cover in recess including providing and fixing 3 nos. 6 pin 5/6 Amps piano type socket outlet 3Nos 5/6 Amps switch connections etc.as required complete in all respect. Make- ESS / KAY / COSMO/Anchor	1	No.			Each
6	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase,230 volts complete as required complete in all respect. Make :- ESS ESS KAY / Cona / Anchor	3	Nos.			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 160.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required complete in all respect. Make : Usha / Bajaj / Anchor Panasonic.	5	Nos.		Each	
8	Ceiling fan 1200 mm sweep (Category -A) Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required complete in all respect as per entire satisfaction of Engineer-in- Charge. Make: Bajaj , Usha, Anchor	3	Nos		Each	
9	Exhaust Fan, Light duty, (Domestic) 300 mm sweep 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.	16	Nos		Each	
10	Single pole, Cat-A. Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respect. Make : L&T / Legrand / ABB/ SIEMENS.	4	Nos		Each	
11	Double pole Cat-A Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required complete in all respect. Make : L&T / Legrand / ABB / SIEMENS.					
i)	Double door-6 way	3	Nos.		Each	
ii)	Double door-8 way	1	No.		Each	
12	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 PVC casing & capping along with 1 No.HRFLS/PVC insulated single core copper conductor cable of same size for earthing as required complete in all respect. PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI cable make.					
i)	2x1.5 Sq. mm.	80	Metre		Per Metre	
ii)	2x4.0 Sq. mm.	70	Metre		Per Metre	
iii)	2x10 Sq. mm.	18	Metre		Per Metre	

13	Wiring for circuit/sub-main with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in PVC casing & capping along with 2 No.4 Sq.mm.(4x4+2x4) HFR/LS/PVC insulated single core copper conductor cable for earthing as required complete in all respect. PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI cable make.	40	Metre			Per Metre
14	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 as required complete in all respect.	1	Set			Per Set
15	Extra for using salt and charcoal for pipe earth electrode complete as required complete in all respect.	1	Set			Per Set
16	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required complete in all respect.	20	Metre			Per Metre
17	Supplying and fixing bakelite batten/angle holder including connections etc. as required Complete in all respect. Make: ANCHOR , CONA , ESS ESS KAY .	5	Nos.			Each
18	Supplying and fixing of LED fancy wall bracket including making connections, testing etc. as required complete in all respect. Make:- Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Luminaires .	5	Nos.			Each
19	Providing and fixing LED Recess / pendant 1x1 20 watt Square panel with aluminium die cast housing of superior quality complete with Connection,testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max .	2	Nos.			Each
20	Providing and Fixing Surface Mounting Square LED Down light 12 Watt with Al Dia cast body finish with drop down PC Diffuser to deliver low glare illumination with optimized heat sink for efficient heat dissipated SLEEK surface 6 Watt complete with connection etc as required complete in all respect. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max .	6	Nos			Each
21	Providing and fixing Glazed LED 40 watt Batten High quality design aluminium extruded with decorative end caps complete with Connection,testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max .	8	Nos			Each
22	Providing and fixing LED Bulk Head luminaires 10 watt energy efficient for upgrading conventional GLS Bulk Head luminaires to LED Bulk Head IP 65 luminaires complete with Connection,testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. Make : Wipro / Bajaj / Phillips / K-lite / (Twinkle) Lux Max / Jaquar .	2	Nos			Each
23	Supplying and fixing of LED Bulb 10 watt as required complete in all respect.	5	Nos			Each

Job-7						Estimated Cost :- Rs. 299480/- Only Earnest Money :- Rs.6000 /- Only Time :- One Month.
Name of work:- Rewiring of HPPWD Rest House Naggar District Kuliu H.P. (Providing E.I. there in)						
S.No.	Description	Qty.	In Fig.	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 with modular switch, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	31			Each	
2	Group C: Wiring for twin control light 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, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	4			Each	
3	Group C: Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No. HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required complete in all respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.					
i)	2x1.5 Sq. mm.	80			Per Metre	
ii)	2x4.0 Sq. mm.	90			Per Metre	
iii)	2x10 Sq. mm.	5			Per Metre	
4	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, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.	7			Each	
5	Group C: 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 PVC Casing and capping 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.					
i)	2x1.5 Sq. mm.	20			Per Metre	

ii)	2x4.0 Sq. mm.	30	Metre	Per Metre
6	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 / GEWSCAB / CMI / FENOLIX.			
i)	3x1.5 Sq. mm.	20	Metre	Per Metre
ii)	3x4.0 Sq. mm.	15	Metre	Per Metre
7	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 15/16 amps, modular switch, connections etc. as required. Make : Legrand (Myritu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	12	Nos.	Each
8	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 (Myritu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).	9	Nos.	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 complete in all respects per entire satisfaction of the Engineer in charge. Make : L&T / Legrand / Siemens.	17	Nos.	Each
10	Single pole Cat-A. Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-	2	Nos.	Each
11	Double pole. Cat-A. Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB) having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required complete in all respects per entire satisfaction of the Engineer in charge. Make : L&T / Legrand / Siemens.	2	Nos.	Each
12	63 Amps. Cat-A. Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with lined copper bus- bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required complete in all respect. Make : L&T / Legrand / SIEMENS.			
i)	Double Door 12 Way	1	No.	Each
ii)	Double Door 16 Way	1	No.	Each
13	Supplying & fixing 20 Watt LED High quality design PC batten with decorative end caps complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge	4	Nos	Each
	Makes:-Jaquar(Glaze LED Batten PC)/C&S/Crompton/bajaj or Equivalent.			

14	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 / havells.	1	No.		Each
15	Exhaust Fan, Light duty, (Domestic) 300 mm sweep 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.	2	Nos		Each
16	Makes:-Jaquar /C&S/Crompton/bajaj or Equivalent make. Supplying and fixing sheet metal bus-bar chamber suitable for 100 Amp. 415 volts capacity with 4 No. copper strip bus-bars each of length 300mm & cross-sectional area (25.4mmx3.17mm), enclosure made from 1.6 mm thick M.S. sheet having overall dimensions (380mmx400mmx150mm) nominal with all accessories including connections, earthing the body etc. as required complete in all respects per entire satisfaction of the Engineer in charge. Make : L&T / Legrand / ABB / SIEMENS.	1	No.		Each
17	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. of the required but excluding sand cushioning, protective covering,complete in all respects per entire satisfaction of the Engineer in charge.Cable Make : CCI/ Universal/ Finolex / Polycab/ Rallison / Grandlay / KEL				
i)	Armoured cable 4 sq. mm (Twin core)	45	Metre		Per Metre
ii)	Armoured cable 16 sq. mm (4 core)	60	Metre		Per Metre
iii)	Armoured cable 25 sq. mm (3.5 core)	30	Metre		Per Metre
18	Supplying and erection of Galvanized Iron (G.I.) pipe pole 'A' quality of suitable length and dia. 4.47 mm thickness, including fixing up to a given depth below G.L. The hole of excavation about 30 cm dia. and given depth to be filled in up to 15 cm below G/L with 1:3:6 cement concrete and there above plinth with 1:2:4 cement concrete up to a height of 45 cm from G/L. The radial thickness of the plinth above G/L should not be less than 6.35 cm and sufficient to completely flush a 180 mmx100 mmx 45 mm deep, glass filled Nylon F.R. grade box for housing a 16 Amp. MCB, the outer surface of the plinth to be finished with 1:3 cement plaster 6 mm thick, the fuse-box shall have a water tight cover, including painting of pole with two coats of approved color, brand and manufacture of paint over a priming coat complete in all respects as required complete in all respects per entire satisfaction of the Engineer in charge.	3	Nos.		Each
19	4 Meter long having nominal bore dia. 65 mm. planting depth 80 cm with pit depth 95 cm. Supplying & fixing HANGING LIGHT SINGLE LAMP with frosted 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	2	Nos		Each
20	Makes:-Jaquar/C&S/Crompton/bajaj or Equivalent make. Supplying & fixing FANCY WALL BRACKET SINGLE LAMP complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	5	Nos		Each
21	Makes:-Jaquar / C&S / Crompton /bajaj or Equivalent make. Supplying and fixing surface DOWN LIGHT 6W surface 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.	14	Nos		Each
	Makes:-Jaquar NERO SURFACE ROUND/C&S /Crompton / bajaj or Equivalent make.				

22	Supplying & fixing wall light for mirror 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. Makes:- Jaquar/C&S/Grompton/bajaj or Equivalent.	4	Nos			Each	
23	Supply and fixing 40 watt LED Post Top Fixtures of Die cast alum. base and spun Aluminium Round Top Polycarbonate diffuser complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	5	Nos			Each	
24	Makes:- Twinkle Genius -V (Cat No LUXMAX PT 153) / C&S / bajaj or Equivalent. Earthing with G.I earth pipe 4.5 mtr. long and 40mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required complete in all respect.	1	Set			Per Set	
25	Extra for using salt and charcoal for pipe earth electrode complete as required complete in all respect.	1	Set			Per Set	
TOTAL							


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

<u>Job/4</u>									Estimated Cost:- Rs. 408000/- only	
									Earnest Money:- Rs. 8200/- only	
									Time:- One Month.	
Schedule Of Quantity										
Name of Work :- C/o Sanskriti Sadan at Motipur, District Mandi HP. (SH:- Providing and fixing Flood and Skirting Light out side OUT SIDE Boundary Wall there in.))										
Sr. No.	Description	Qty.	In figure	Rate	In words	Units	Amount			
1	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required complete in all respect as per entire satisfaction of Engineer- in-Charge. i) 2x4 Sq. mm. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CML.	300	Metre			Per Metre				
2	Providing and fixing Barm white LED Flood light long through type Complete in all respect 100 watt	15	Pcs			Per Pcs				
3	P/F skirting light 230 v 3 madul complete with bord sheet complete in all respect	69	pcs			Per Pcs				
Total										

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Job-2/						Estimated Cost- Rs. 351000/- only	
						Earnest Money:- Rs. 7020/- only	
						Time:-	
						One Month.	
Schedule Of Quantity							
Name of Work :-C/O SANSKRITI SADAN AT MOTIPUR DISTT. MANDI (SH:-Prov. Exit Sign Board & LED 30 watt lights there in)							
Sr. No.	Description	Qty.	In figure	Rate	In words	Units	Amount
1	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 steel conduit along with 1 No.HRRFSL/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. i) 2x1.5 Sq. mm.Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CML.	548	Metre			Per Metre	
2	Providing & fixing Ceiling light 30/36 watt LED type of all sizes and shapes, complete with all accessories including making connections, testing etc. as required complet in all respect as per entire satisfaction of engineer in charge. Make : Bajaj / Wipro / Syska / Opulus / Bajaj / Great White / Phillips etc.	30	Each			Each	
3	Suppling and fixing EXIT sine bopard with battry backup of superior quilty as Required complete in all respect	10	Pcs			Per Pcs	
	Total						


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Job-3					Estimated Cost:- Rs. 459600/- only
					Earnest Money:- Rs. 9200/- only
					Time:- One Month.
Schedule Of Quantity					
Name OF Work :- C/O SANSKRITI SADAN AT MOTIPUR DISTT. MANDI (SH:-Prov. ceiling light with bluetooth RGB led light Armoured cable 6 sq. mm (twin core) Cable for outside boundary wall lights ans sub main there in)					
Sr. No.	Description	Qty.	In figure	Rate In words	Units Amount
1	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. i) 63 Amps. Cat-A. Make : L&T / C&S / Legrand.	4	Nos.		Each 0.00
2	Supplying and fixing of following way triple pole and neutral, sheet steel MCB distribution board, 415 volts, on surface / recess, with provision for 4-pole MCB/isolator/RCCB/RCCBO as incomer and SP MCBs as outgoing, complete with tinned copper bus- bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge.				
i)	Double door-6way, horizontal type (Make : Legrand/ L&T / ABB / GE/ C&S).	1	No.		Each 0.00
ii)	Double Door 12 way , horizontal type (Make : Legrand/ L&T / ABB / GE/ C&S).	3	Nos.		Each 0.00
3	Supplying and drawing co-axial TV cable, RG-6 grade, 0.7mm (75 Ohms) copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the surface / recessed, / PVC conduit as required complete in all respect.	200	Metre		Per Metre 0.00
4	Providing and laying of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade direct in ground; to be laid 1 meter below the ground level including excavation sand cushioning, protective covering and refilling the trench etc. of the required size complete in all respect as per entire satisfaction of Engineer- in- Charge. i) Armoured cable 6 sq. mm (twin core) Cable Make : CCI/ Universal/ Finolex / Polycab / Rallison / Grandlay.	280	Metre		Per Metre 0.00
5	Fixing of cable trays of size 4"x2" made of 16 gauge sheet for wiring of stage lights and sound system enroute from stage to control room in separate routes for sound wires and 220v wires fixed with studs along with catwalks.	190	Metre		Per Metre 0.00
6	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 steel conduit along with 1 No.HRRF/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. i) 4x 2.5 Sq.mm. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	335	Metre		Per Metre 0.00

7	Wiring for circuit / sub-main with 4x16 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.16 Sq.mm. (4x16+2x16) HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respect as per entire satisfaction of Engineer-in-Charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.	7	Metre				Per Metre	0.00
8	Providing and fixing fancy ceiling light with bluetooth RGB led light complete in all respect	1	No.				Each	0.00
	Total							0.00


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 Electrical Division,
 HP PWD, Mandi (HP).

