

**HIMACHAL PRADESH  
PUBLIC WORKS DEPARTMENT**

**NOTICE INVITING TENDER**

Sealed item rate tender on Form No. 6&8 are invited by the Executive Engineer, Electrical Division, HPPWD, Mandi (H.P.) for the following works Sr. No. 1 to 12 from approved and eligible contractors enlisted in appropriate class in HPPWD (Electrical) department, and for works at Sr No. 13 and 14 from Electrical license "A" holder having similar work ( R/M or installation of 33KV substation) experience and for work at Sr No. 15 and 16 from OEM (HVAC) and OEM (Lift Elevator) or authorized agency of OEM's respectively, so as to reach in his office on or before 12.08.2022 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 11.08.2022 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:- Repair Maintenance of EI in various NR Buildings at Shri Lal Bahadur Shastri Govt. Medical College and Hospital Nerchowk, District Mandi (SH: Replacement and maintenance of damaged EI accessories worn out LED's of Mess Area of Boys and Gils Hostel, Surrounding area illumination and damaged EI of Hospital 6<sup>th</sup> floor) Estimated Cost: Rs. 481574/-only, Earnest money: Rs. 9650/- only, Time allowed: - Two Month

Work No. 2:- Replacement of wiring in Assistant Engineer office and Junior Engineer office B&R at Rewalsar, District Mandi Estimated Cost: Rs. 134483/-only, Earnest money: Rs. 2700/- only, Time allowed: - One Month

Work No. 3:- C/o Dormitory / Rest Room –cum-Change room for VVIP Security person and Electrical panel room and main panel at Circle House Mandi, District Mandi Estimated Cost: Rs. 499878/-only, Earnest money: Rs. 10000/- only, Time allowed: - One Month

Work No. 4:- C/o Office-cum-Residence of Ayurvedic Medical Officer Building at Killar Tehsil Pangi, District Chamba HP (SH: Providing EI therein) Estimated Cost: Rs. 229055/-only, Earnest money: Rs. 4600/- only, Time allowed: - Along with civil work.

Work No. 5:- Repair Maintenance of E.I in various NR Buildings at Shri Lal Bahadur Shastri Govt. Medical College and Hospital Nerchowk, District Mandi (SH: Replacement and maintenance of damaged accessories, Light Fixture in Male / Female Medical Wards, Emergency Section Hospital, Ground floor in Medical college) Estimated Cost: Rs. 394836/-only, Earnest money: Rs. 7900/- only, Time allowed: - One Month.

Work No. 6:- C/o Central Feed store Building at Killar Tehsil – Pangi District Chamba HP (SH: Providing EI therein) Estimated Cost: Rs. 103735/-only, Earnest money: Rs. 2100/- only, Time allowed: - Along with civil work

Work No. 7:- Rewiring of HPPWD Rest House at Luj Tehsil – Pangi District Chamba HP Estimated Cost: Rs. 298831/-only, Earnest money: Rs. 6000/- only, Time allowed: - One Month

Work No. 8:- C/o Health Sub Centre and Residence at Murah Tehsil Balichowki District Mandi HP (SH: Providing EI therein) Estimated Cost: Rs. 208841/-only, Earnest money: Rs. 4200/- only, Time allowed: - Along with civil work

Work No. 9:- C/o Health Sub Centre and Residence at Devdhar Tehsil Balichowki District Mandi HP (SH: Providing EI therein) Estimated Cost: Rs. 208841/-only, Earnest money: Rs. 4200/- only, Time allowed: - Along with civil work

Work No. 10:- C/o Government Senior Secondary School at Suhan Thach Tehsil Thunag District Mandi HP (SH: Providing EI in 2<sup>nd</sup> floor therein) Estimated Cost: Rs. 230940/-only, Earnest money: Rs. 4650/- only, Time allowed: - Along with civil work

Work No. 11:- Replacement of Old Post Top Lantern, Street Light Fixture and armoured cable in Rest House Kotli District Mandi HP Estimated Cost: Rs. 410213/-only, Earnest money: Rs. 8250/- only, Time allowed: - One Month

Work No. 12:- C/o Veterinary Feed Store Building at Killar Tehsil Pangi District Chamba HP (SH: Providing EI therein) Estimated Cost: Rs. 103735/-only, Earnest money: Rs. 2100/- only, Time allowed: - One Month

Work No. 13:- Repair and maintenance of 33KV/11KV Sub Station panel with PCC Digital Electronics control at Shri Lal Bahadur Shastri Govt. Medical College and Hospital Nerchowk, District Mandi (SH: R/M of 33& 11KV CT & 11 PCC Electrical panel therein) Estimated Cost: Rs. 498222/-only, Earnest money: Rs. 10000/- only, Time allowed: - One Month

Work No. 14:- Repair and maintenance of 33KV/11KV Sub Station panel with PCC Digital Electronics control at Shri Lal Bahadur Shastri Govt. Medical College and Hospital Nerchowk, District Mandi (SH: R/M of 33KV PT, 11 KV PT and R/M of Transformer 7.5 MVA) Estimated Cost: Rs. 499612/-only, Earnest money: Rs. 20000/- only, Time allowed:- One Month

Work No. 15:- Replacement of Old / Blockage HEPA and FINE Filter in existing AHU's installed in Operation Theater at Shri Lal Bahadur Shastri Govt. Medical College and Hospital Nerchowk, District Mandi Estimated Cost: Rs. 244268/-only, Earnest money: Rs. 4900/- only, Time allowed: - Two Month

Work No. 16:- Repair Maintenance and contract for Passenger Elevator No. 4023566 KONE make installed at Shri Lal Bahadur Shastri Govt. Medical College and Hospital Nerchowk, District Mandi Estimated Cost: Rs. 146108/-only, Earnest money: Rs. 3000/- only, Time allowed: - One year.

**CERTIFICATE:-**

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

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

**NOTE:-**

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

Executive Engineer,  
Electrical Division,  
HPPWD, Mandi (H.P.)  
For and On behalf of Governor of H.P.

**No.PW-MED/TA/NIT/2022-2023-- 3710-59**

**Dated: 1/8/22**

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, 3<sup>rd</sup> Electrical Circle, HPPWD, Mandi HP
5. **The Executive Engineer (IT) o/o Engineer-in-Chief, HPPWD, Shimla through email: eect-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. Notice Board
11. All the registered eligible Electrical contractor under this Division.

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

|  |  |  |  |  |                                    |  |
|--|--|--|--|--|------------------------------------|--|
|  |  |  |  |  | Estimated Cost:- Rs. 481574/-only. |  |
|  |  |  |  |  | Earnest Money:- Rs. 9650/-only.    |  |
|  |  |  |  |  | Time :- Two Months                 |  |

**Schedule of quantity**

**NAME OF WORK:** R/M of E.I accessories of various non-residential buildings at SLBSGMC&H Ner Chowk Distt Mandi [HP] ( Sh:- Replacement & maintenance of damaged E.I. accessories worn out LED's of Mess area of Boys and Girls Hostel, surrounding area illumination and damaged E.I. of hospital 6th floor )

| S.N. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Qty.      | Rate in figure. | Rate in words Rupees | Unit      | Amount |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------|----------------------|-----------|--------|
| 1    | Providing and fixing of LED Flood light 240 watt luminaire comprises of die cast Aluminium housing with frame, toughened glass and PC lens, cradle mounting, Innovative, aesthetic and robust design with toughened glass and PC lens for better light distribution, Potted driver for better thermal reliability, easy maintenance, THD<10%, High Surge Protection: 4kV+10kV Power Factor: >0.95 operating temperature between -10degree C to +45 degree C . suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc.as required .Make :-Philips, Panasonic,Havell,Crompton or its equivalent as approved by Engineer-in-charge. | 8 Nos     |                 |                      | Each      |        |
| 2    | Providing and fixing of surface mounted Luminaire following watt LED batten ,having high Quality design aluminium extruded decorative end caps and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion <10% and efficiency>100Lumens per watt .CRI> 80 suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc.as required .Make :-Syska,Havell,Crompton or its equivalent as approved by Engineer-in-charge.                                                                                                                                                                                  | 140 Nos   |                 |                      | Each      |        |
| 2.01 | 28 watt LED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 40 Nos    |                 |                      | Each      |        |
| 2.02 | 36 watt LED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |                 |                      |           |        |
| 3    | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |                 |                      |           |        |
| 3.01 | 1x1.5 Sq.mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 200 Metre |                 |                      | Per Metre |        |
| 3.02 | 1x4.0 Sq.mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 100 Metre |                 |                      | Per Metre |        |
| 3.03 | 1x6.0 Sq.mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 50 Metre  |                 |                      | Per Metre |        |
| 3.04 | 1x10 Sq.mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 20 Metre  |                 |                      | Per Metre |        |
| 4    | Supplying & fixing of G.I. modular boxes of following sizes along with modular base and cover plate for modular switches in recess as required:-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                 |                      |           |        |
| 4.01 | 3 Module                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 50 Nos    |                 |                      | Each      |        |
| 4.02 | 6 module                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 50 Nos    |                 |                      | Each      |        |

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |     |  |  |      |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|--|--|------|
| 5    | Providing and fixing of surface mounted Luminaire LED 20 Watt batten ,having high Quality design aluminium extruded decorative end caps and it should be compatible with specification i.e. Power Factor > .9, Harmonic Distortion <10% and efficiency > 100 Lumens per watt ,CRI> 80 suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc.as required .Make :- Philips(BN021LED25S6500PSU GRS1), Havell, Crompton or its equivalent as approved by Engineer-in-charge. | 20  | Nos |  |  | Each |
| 6    | Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required.                                                                                                                                                                                                                                                                                                                                                                                                   |     |     |  |  |      |
| 6.01 | 5/6 amps. 1-way Modular switch.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 100 | Nos |  |  | Each |
| 6.02 | 15/16 amps. 1-way Modular switch.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 100 | Nos |  |  | Each |
| 6.03 | 5 pin 5/6 amps. Modular socket outlet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 100 | Nos |  |  | Each |
| 6.04 | 6 pin 15/16 amps. Modular socket outlet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 100 | Nos |  |  | Each |
|      | Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |     |  |  |      |

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

| Job- 2                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |           |          |      |        | Estimated Cost :- Rs. 134483/- Only |
|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|----------|------|--------|-------------------------------------|
|                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |           |          |      |        | Earnest Money :- Rs.2700/- Only     |
|                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |           |          |      |        | Time :- One Month.                  |
| SCHEDULE OF QUANTITY                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |           |          |      |        |                                     |
| Name of Work : Replacement of wiring in A.E. Office and J.E. Office B&R at Rewalsar District- Mandi HP. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |           |          |      |        |                                     |
| S.No.                                                                                                   | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Qty. | In Figure | 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 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. Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI . | 19   | Nos.      |          | Each |        |                                     |
| 2                                                                                                       | Group A<br>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                                                                                               | 14   | Nos.      |          | Each |        |                                     |
| 3                                                                                                       | Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 6 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc. as required complete in all respect Make- ESS ESS KAY / CONA /Anchor                                                                                                       | 12   | Nos.      |          | Each |        |                                     |
| 4                                                                                                       | Providing and fixing LED Tube 20 watt PC Batte 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 .                                                                                                                                                                                                         | 7    | Nos.      |          | Each |        |                                     |
| 5                                                                                                       | Supplying & fixing 20 Watt Ultra slim LED panel made from extruded aluminium housing frame Surface/recess/pendant )1ft x1ft complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects as per entire satisfaction of Engineer- in- Charge. Make:- Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Luminaires .                                                                                       | 7    | Nos.      |          | Each |        |                                     |
| 6                                                                                                       | Providing and fixing LED Downlight 12 watt light recess Round/ Square 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 / Anchor Panasonic.                                                                                                              | 5    | Nos.      |          | Each |        |                                     |
| 7                                                                                                       | Supplying and fixing of LED Mirror light 10 watt including making connections, testing etc. as required complete in all respect Make : Wipro / Bajaj / Phillips / Jaquar .                                                                                                                                                                                                                                                                                     | 2    | Nos.      |          | Each |        |                                     |
| 8                                                                                                       | Supplying & fixing 36 Watt Surface mounted LED panel made from extruded aluminium housing(surface)2ft x2ft complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects as per entire satisfaction of Engineer- in- Charge. Make:- Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Luminaires .                                                                                                        | 5    | Nos.      |          | Each |        |                                     |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |      |  |  |      |  |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|--|--|------|--|
| 9  | Providing and fixing LED bulk head of 10 Watt to enhance the delight of occupants with comfortable experience through its classic design & glare free illumination of complete with Connection,testing commissioning etc as required in all respect. <b>Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max .</b>                                                                                                                                                 | 3  | Nos. |  |  | Each |  |
| 10 | 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. <b>Make: Bajaj , Usha, Anchor</b>                                                                                                                                                                                                                                                                                    | 1  | No.  |  |  | Each |  |
| 11 | 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. <b>Make : Usha / Bajaj / Anchor Panasonic.</b>                 | 2  | Nos. |  |  | Each |  |
| 12 | <b>Ceiling Fan 1200 mm sweep</b><br>Supplying and fixing stepped type Modular fan regulator on the existing modular box including making connections etc. as requiredcomplete in all respect as per entire satisfaction of Engineer-in-Charge. <b>Make : Usha / Bajaj / Anchor Panasonic.</b>                                                                                                                                                                              | 7  | Nos. |  |  | Each |  |
| 13 | Supplying and Fixing LED Street Light 25 Watt LED made up of pressure die cast aluminium housing with high power LED as lighting source and lens embedded PC Cover having TOP OPENING separate driver compartment with IP 66 protection and impact resistance of IK 07 luminair complete with connection testing commissioning etc as required complete in all respect . <b>Note : Bajaj / Siska / Jaquar / Philips.</b>                                                   | 4  | Nos. |  |  | Each |  |
| 14 | 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 as required complete in all respects.                                                                                                                              | 4  | Nos. |  |  | Each |  |
| 15 | 32 mm dia. G.I. pipe, heavy class<br>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. <b>Make : L&amp;T / Legrand / ABB / SIEMENS.</b>                                                                                                                                        | 14 | Nos. |  |  | Each |  |
| 16 | Single pole. Cat-A.<br>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. <b>Make : L&amp;T / Legrand / SIEMENS.</b>                                                                                                                                                                  | 1  | No.  |  |  | Each |  |
| 17 | Double pole Cat-A.<br>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. <b>Make : L&amp;T / Legrand / SIEMENS.</b> |    |      |  |  |      |  |

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    |       |  |  |                  |         |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|--|--|------------------|---------|
| i)   | Double Door 12 Way                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1  | No.   |  |  | Each             |         |
| ii)  | Double Door 4 Way                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1  | No.   |  |  | Each             |         |
| 18   | Supplying and fixing bakelite batten/angle holder including connections etc. as required complete in all respect. <b>Make:- Anchor , Cona , SSK</b>                                                                                                                                                                                                                                                                                                                               | 2  | Nos.  |  |  | Each             |         |
| 19   | 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. <b>Make : Usha / Bajaj / Anchor Panasonic.</b>                                                                                                                                                                       | 2  | Nos.  |  |  | Each             |         |
| 20   | <b>Exhaust Fan, light duty, (Domestic) 300 mm sweep</b><br>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 & capping along with 1 No.HRFR/PVC insulated single core copper conductor cable of same size for earthing as required complete in all respect. <b>Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI .</b> | 50 | Metre |  |  | Per Metre        |         |
| i)   | 2x1.5 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 40 | Metre |  |  | Per Metre        |         |
| ii)  | 2x4.0 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 25 | Metre |  |  | Per Metre        |         |
| iii) | 2x6.0 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 18 | Nos.  |  |  | Each             |         |
| 21   | Supplying and fixing following rating Plano-type switch /socket on the existing switch box / cover including connections etc. as required complete in all respect. <b>Make- ESS KAY / CONA /Anchor</b>                                                                                                                                                                                                                                                                            |    |       |  |  |                  |         |
|      | 5/6 Amps. Plano Type Switch                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |       |  |  |                  |         |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    |       |  |  | Total            |         |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    |       |  |  | Dismantal Credit | -500.00 |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    |       |  |  | TOTAL            |         |

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

|   |  |  |  |  |  |                                    |
|---|--|--|--|--|--|------------------------------------|
| 3 |  |  |  |  |  | Estimated Cost :-Rs. 499878/- only |
|   |  |  |  |  |  | Earnest Money:- Rs 10000/- only    |
|   |  |  |  |  |  | Time :- Two Month                  |

### Schedule of Quantity

Name of work:- C/o Dormitory/ Rest room cum change room for VIP security person & electrical panel room & main panel at circuit house Mandi Distt. Mandi (H.P).

| Sr.No           | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Qty | Rate | Rate in words | Unit  | Amount |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|---------------|-------|--------|
| 1.00            | Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFR/SPVC insulated single core copper conductor cable as required.. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX. | 23  |      |               | Each  |        |
| <b>Group C.</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |      |               |       |        |
| 2.00            | Supplying and fixing G.I. Modular box of suitable size with modular plate and cover in front on surface or in recess including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).                                                                                                                                                                | 6   |      |               | Each  |        |
| 3.00            | Supplying and fixing G.I. Modular box of suitable size with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required. Make : Legrand (Myriu) / L&T (Entice) / Anchor /SSK / ABB (Similar Class).                                                                                                                                                           | 5   |      |               | Each, |        |
| 4.00            | Supplying & fixing 36 Watt Surface mounted LED panel made from extruded aluminium housing(surface)2ft x2ft complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects as per entire satisfaction of Engineer- in- Charge. Make:- Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Luminaires.                                                                                                                                                | 5   |      |               | Each  |        |
| 5.00            | Supplying & fixing DOWN LIGHT 12W light recess round/square with aluminium housing, complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.                                                                                                                                                                                                                                        | 5   |      |               | Each  |        |
| 6.00            | Supplying & fixing LED TUBE 40 W.PC BATTEN, complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make:-Jaquar/Twinkle/Panasonic.                                                                                                                                                                                                                                                | 5   |      |               | Each  |        |
| 7.00            | Supplying & fixing 10 Watt LED mirror light High quality aluminium extruded with decorative end caps complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. Make:-Jaquar/Twinkle/Panasonic.                                                                                                                                                                                       | 1   |      |               | Each  |        |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |       |  |  |           |  |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|--|--|-----------|--|
| 3.00  | Providing & fixing LED street light of 25 Watt to enhance the delight of occupants with comfortable experience through its classic design & glare free illumination of complete with Connection,testing commissioning etc as required in all respect.Make : Wipro / Bajaj / Phillips / Jaquar /                                                                                                                                                                                                                                  | 1  | Nos.  |  |  | Each      |  |
| 9.00  | 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:-                                                                                                                                                                                   | 1  | Nos.  |  |  | Each      |  |
| 10.00 | Providing, Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Usha / Bajaj / Anchor Panasonic.                                                                            | 3  | Nos.  |  |  | Each      |  |
| 11.00 | Ceiling Fan 1400 mm sweep<br>Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required:-. Make : Usha / Bajaj / Anchor Panasonic.                                                                                                                                                                                                                      | 1  | Nos.  |  |  | Each      |  |
| 12.00 | Exhaust Fan, Light duty, (Domestic) 300 mm sweep<br>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 respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX. | 30 | Metre |  |  | Per Metre |  |
| i     | 2x1.5 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 40 | Metre |  |  | Per Metre |  |
| ii    | 2x4.0 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 80 | Metre |  |  | Per Metre |  |
| iii   | 2x6.0 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 12 | Metre |  |  | Per Metre |  |
| iv    | 2x10.0 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 10 | Metre |  |  | Per Metre |  |
| 13.00 | Wiring for circuit / sub-main with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.4 Sq.mm. (4X4+2X4)HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.                                                  |    |       |  |  |           |  |
| 14.00 | Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required complete in all respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.                                                                                                                                              |    |       |  |  |           |  |

|       | 3x1.5 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 20 | Metre |  | Per Metre |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|--|-----------|
| 15.00 | Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respects per entire satisfaction of the Engineer in charge. Make : L&T / Legrand / Siemens.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |       |  |           |
|       | <b>SP Cat-A</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 31 | Nos.  |  | Each      |
| 16.00 | Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-Make : L&T / Legrand / Siemens.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6  | Nos.  |  | Each      |
|       | <b>Double pole. Cat-A.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |       |  |           |
| 17.00 | 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:-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |       |  |           |
| 2.    | i Double door-8 way                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4  | Nos.  |  | Each      |
|       | ii Double door-12 way                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2  | Nos.  |  | Each      |
| 18.00 | Supplying and fixing sheet metal bus-bar chamber suitable for 200 Amp. 415 volts capacity with 4 No. copper strip bus-bars each of length 300mm & cross-sectional area (25.4mmx4.75mm), enclosure made from 1.6 mm thick M.S. sheet having overall dimensions (380mmx450mmx150mm) nominal with all accessories including connections, earthing the body etc. as require                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1  | Nos.  |  | Each      |
| 19.00 | Supplying and erection of following depth sheet metal cubical pedestal of suitable dimensions with plus-minus 5 cm variation, made from 1.6 mm thick M.S. sheet duly fabricated in a segregated manner for housing of switch fuse units, by welding each compartment on five sides & front side hinged, complete with locking arrangement, with sufficient No. vertical and horizontal intermediate switchgear housing compartments. The cubical pedestal shall have cable entry box at one or two sides, with epoxy powder coated approved paint and bonding to the existing earth etc. The same shall be erected in the 1:2:4 cement concrete plat-form of suitable dimensions 15 cm high from ground level and 45 cm thick. The cubical pedestal shall be 15 cm from the top of cement concrete plat-form:-including, MCCB 400amps = 1 nos, MCCB 200amps = 3 Nos MCCB 63 amps = 1nos, Bus Bar 400 Amp. Metering set, CT Coll and internal control wiring etc. as required complete in all respect. | 1  | Job   |  | per Job   |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |  |  |         |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-----|--|--|---------|
| 20.00 | Supplying and erection of following depth sheet metal cubical pedestal of suitable dimensions with plus-minus 5 cm variation, made from 1.6 mm thick M.S. sheet duly fabricated in a segregated manner for housing of switch fuse units, by welding each compartment on five sides & front side hinged, complete with locking arrangements, with sufficient No. vertical and horizontal intermediate switchgear housing compartments. The cubical pedestal shall have cable entry box at one or two sides, with epoxy powder coated approved paint and bonding to the existing earth etc. The same shall be erected in the 1:2:4 cement concrete plat-form of suitable dimensions 15 cm high from ground level and 45 cm thick. The cubical pedestal shall be 15 cm from the top of cement concrete plat-form:- 1400mm x 1000mmx450mm deep (nominal) including., MCCB 200amps = 1 Nos , Bus Bar 200 Amp. Metering set , CT Coil = and internal control wiring etc. as required complete in all respect. | 1 | Job |  |  | per Job |
| 21.00 | Providing stand for LT panel of size height (4000mm) as required complete in all respect                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1 | Job |  |  | per Job |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |  |  | TOTAL   |

  
 Executive Engineer  
 Electrical Division  
 HPPWD, Mandi

|                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |      |               |      |        |  | Estimated cost:- Rs. 229055/- only |
|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|---------------|------|--------|--|------------------------------------|
|                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |      |               |      |        |  | Earnest Money :- Rs. 4600/- only   |
|                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |      |               |      |        |  | Time :- along with civil work      |
| Schedule of quantity                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |      |               |      |        |  |                                    |
| Name of work:- C/O office cum residence of Ayurvedic Medical officer building at Killar Tehsil pangji (SH:- Prov. E.I there in ) |                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |      |               |      |        |  |                                    |
| S. No.                                                                                                                           | Description                                                                                                                                                                                                                                                                                                                                                                                                                              | Qty. | rate | rate in words | unit | Amount |  |                                    |
| 1                                                                                                                                | Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required. PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI Cable make.              | 24   | Nos  |               | Each |        |  |                                    |
| i                                                                                                                                | Group C.                                                                                                                                                                                                                                                                                                                                                                                                                                 | 17   | Nos  |               | 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 steel conduit and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required. PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI Cable make. |      |      |               |      |        |  |                                    |
|                                                                                                                                  | Group c.                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1    | Nos  |               | Each |        |  |                                    |
| 3                                                                                                                                | Supplying and fixing following rating Plano-type switch /socket on the existing switch box / cover including connections etc. as required.                                                                                                                                                                                                                                                                                               |      |      |               |      |        |  |                                    |
| i                                                                                                                                | 5/6 Amps. piano type switch                                                                                                                                                                                                                                                                                                                                                                                                              | 9    | Nos  |               | Each |        |  |                                    |
| ii                                                                                                                               | 5 pin 5/6 Amps. Socket                                                                                                                                                                                                                                                                                                                                                                                                                   | 9    | 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.                                                                                                                                         | 9    | Nos  |               | Each |        |  |                                    |
| 5                                                                                                                                | Supplying and fixing bakelite batten/angle holder including connections etc. as required complete in all respect. Make: Anchor , CONA , ESS KAY.                                                                                                                                                                                                                                                                                         | 7    | Nos  |               | Each |        |  |                                    |
| 6                                                                                                                                | Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-                                                                                                                                                                                                                   |      |      |               |      |        |  |                                    |
|                                                                                                                                  | Single pole. Cat-A.                                                                                                                                                                                                                                                                                                                                                                                                                      | 16   | Nos  |               | Each |        |  |                                    |

|    |                                                                                                                                                                                                                                                                                                                                                                                             |    |      |  |  |  |         |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|--|--|--|---------|
| 7  | 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  | No   |  |  |  | Each    |
|    | Double pole. Cat-A.                                                                                                                                                                                                                                                                                                                                                                         |    |      |  |  |  |         |
| 8  | Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:-           |    |      |  |  |  |         |
|    | (i) Double door-12 way                                                                                                                                                                                                                                                                                                                                                                      | 2  | Nos  |  |  |  | Each    |
| 9  | 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. <b>PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI Cable make.</b> |    |      |  |  |  |         |
|    | (i) 2x1.5 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                           | 90 | Mtr. |  |  |  | P/Mtr.  |
|    | (ii) 2x4.0 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                          | 80 | Mtr. |  |  |  | P/Mtr.  |
|    | (iv) 2x6 sq.mm.                                                                                                                                                                                                                                                                                                                                                                             | 10 | Mtr. |  |  |  | P/Mtr.  |
| 10 | 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.                                                                                                                                                                    |    |      |  |  |  |         |
|    | 3x1.5 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                               | 30 | Mtr. |  |  |  | P/Mtr.  |
| 11 | Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required. <b>PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI Cable make.</b>              | 30 | Mtr. |  |  |  | P/Mtr.  |
| 12 | Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required:-                                                                                                                                                                                                                                                             | 2  | Nos  |  |  |  | Each    |
| 13 | Earthing with G.I. earth pipe 4.5 mtr. long and 40mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. ( but without charcoal or coke and salt ) complete as required complete as required complete in all respect.                                                                                             | 1  | set  |  |  |  | per set |
| 14 | Extra for using salt and charcoal for pipe earth electrode complete as required complete in all respect.                                                                                                                                                                                                                                                                                    | 1  | set  |  |  |  | per set |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |      |  |       |         |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|--|-------|---------|
| 15 | Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required complete in all respect.                                                                                                                                                                                                                                                                                                                        | 25 | Mtr. |  |       | per mtr |
| 16 | Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required:-<br>Exhaust Fan, Light duty, (Domestic) 300 mm sweep                                                                                                                                                                                                | 3  | Nos  |  |       | Each    |
| 17 | Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of Non-return valve, Dead weight safety valve, 2 No C.P. connection rods 18" long, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required:- <b>Make:- Bajaj, Usha, Crompton Greaves</b> | 1  | Nos  |  |       | Each    |
| 18 | 25 Liter capacity water heater (Cat-A)<br>Providing and fixing Glazed LED 20 watt Batten High quality design aluminium extruded with decorative end caps complete with Connection, testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge.                                                                                                                                                                                       | 17 | Nos  |  |       | Each    |
| 19 | Providing and Fixing LED 9 Watt in the existing holder as required complete in all respect. <b>Make : Wipro / Bajaj / Phillips / Jaquar /</b>                                                                                                                                                                                                                                                                                                                                            | 17 | Nos  |  |       | Each    |
| 20 | Supplying and fixing of LED Wall Bracket including making connections, testing etc. as required.                                                                                                                                                                                                                                                                                                                                                                                         | 10 | Nos  |  |       | Each    |
| 21 | Providing & fixing LED street light of 25 Watt to enhance the delight of occupants with comfortable experience through its classic design & glare free illumination of complete with Connection, testing commissioning etc as required in all respect.                                                                                                                                                                                                                                   | 3  | Nos  |  |       | Each    |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |      |  | TOTAL |         |

  
 Executive Engineer  
 Electrical Division  
 HPPWD Mandi

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| <div>5</div>                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                       | Estimated Cost:- Rs. 394836/-only. |                 |               |      |        |
|                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                       | Earnest Money:- Rs. 7900/-only.    |                 |               |      |        |
|                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                       | Time :- Two Months                 |                 |               |      |        |
| Schedule of quantity                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                       |                                    |                 |               |      |        |
| NAME OF WORK: R/M of E.I accessories of various non-residential buildings at SLBSGMC&H Ner Chowk Distt Mandi [HP] ( Sh:- Replacement & maintenance of damaged accessories, Light fixtures in male/female medical wards, Emergency section Hospital, ground floor in medical college therein ) |                                                                                                                                                                                                                                                                                       |                                    |                 |               |      |        |
| S.N.                                                                                                                                                                                                                                                                                          | Description                                                                                                                                                                                                                                                                           | Qty.                               | Rate in figure. | Rate in words | Unit | Amount |
| 1                                                                                                                                                                                                                                                                                             | Supplying and fixing bakelite batten/angle holder including connections etc. as required complete in all respect.                                                                                                                                                                     | 20 Nos.                            |                 |               | Each |        |
| 2                                                                                                                                                                                                                                                                                             | Supplying and fixing LED Lamp 9 watt Havells make of base cap B- 22 having Cat No LHLDEUEEML8R009 6500 k in the existing Batten holder,Pendent holder, wall bracket as required complete in all respect. Make Havell's, Philips, Crompton etc.                                        | 20 Nos.                            |                 |               | Each |        |
| 3                                                                                                                                                                                                                                                                                             | Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required complete in all respect.                                                                                                                 |                                    |                 |               |      |        |
| 3.01                                                                                                                                                                                                                                                                                          | 5/6 amps. 1-way Modular switch                                                                                                                                                                                                                                                        | 10 Nos.                            |                 |               | Each |        |
| 3.02                                                                                                                                                                                                                                                                                          | 15/16 amps. 1-way Modular switch                                                                                                                                                                                                                                                      | 10 Nos.                            |                 |               | Each |        |
| 4                                                                                                                                                                                                                                                                                             | Providing and fixing of LED Tube Rod retrofit PL-L 4Pin with direct plug of 18 Watt ,having Cat No. 18w/865 6500K of Make Philips in the existing tube fixture as required complete in all respects. Make Philips, Havell's, Crompton Greaves etc. as approved by Engineer-in-charge. |                                    |                 |               |      |        |
| 4.01                                                                                                                                                                                                                                                                                          | LED Tube 18 W Rod                                                                                                                                                                                                                                                                     | 380 Nos.                           |                 |               | Each |        |
| 4.02                                                                                                                                                                                                                                                                                          | LED Tube 10 W Rod                                                                                                                                                                                                                                                                     | 251 Nos.                           |                 |               | Each |        |
|                                                                                                                                                                                                                                                                                               | Total                                                                                                                                                                                                                                                                                 |                                    |                 |               |      |        |

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

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|                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |      |               |      |        | Earnest Money :- Rs. 2100/- only   |
|                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |      |               |      |        | Time :- along with civil work      |
| Schedule of quantity                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |      |               |      |        |                                    |
| Name of work:- C/O Central seed store building at Kiliar Tehsil pangli (S.K. Prov. E.I. there in ) |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |      |               |      |        |                                    |
| S. No.                                                                                             | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                | Qty. | rate | rate in words | unit | Amount |                                    |
| 1                                                                                                  | Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC cassing capping and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required. Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.              | 27   | Nos  |               | Each |        |                                    |
| i                                                                                                  | Group C.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |      |               |      |        |                                    |
| 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 cassing capping and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required. Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI. |      |      |               |      |        |                                    |
|                                                                                                    | Group c.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |      |               |      |        |                                    |
| 3                                                                                                  | Supplying and fixing following rating Piano-type switch /socket on the existing switch box / cover including connections etc. as required. Make: Anchor, CONA, SSK.                                                                                                                                                                                                                                                                                        | 1    | Nos  |               | Each |        |                                    |
| i                                                                                                  | 5/6 Amps. piano type switch                                                                                                                                                                                                                                                                                                                                                                                                                                | 6    | Nos  |               | Each |        |                                    |
| ii                                                                                                 | 5 pin 5/6 Amps. Socket                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6    | 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. Make: Anchor, CONA, SSK                                                                                                                                   | 3    | Nos  |               | Each |        |                                    |
| 5                                                                                                  | Supplying and fixing bakelite batten/angle holder including connections etc. as required complete in all respect. Make: Anchor, CONA, SSK                                                                                                                                                                                                                                                                                                                  | 13   | Nos  |               | Each |        |                                    |
| 6                                                                                                  | Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:- L&T / Legrand / ABB / SIEMENS.                                                                                                                                                                                                      |      |      |               |      |        |                                    |
|                                                                                                    | Single pole. Cat-A.                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8    | Nos  |               | Each |        |                                    |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |      |  |  |  |         |  |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|--|--|--|---------|--|
| 7  | 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:- L&T / Legrand / ABB / SIEMENS.                                                                                                                                                                                         | 2  | No   |  |  |  | Each    |  |
| 8  | Double pole, Cat-A.<br>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:- L&T / Legrand / ABB / SIEMENS. | 2  | Nos  |  |  |  | Each    |  |
| 9  | (i) Double door-8 way<br>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 capping along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required.Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI .                 | 70 | Mtr. |  |  |  | P/Mtr.  |  |
|    | (ii) 2x1.5 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                                                                      | 50 | Mtr. |  |  |  | P/Mtr.  |  |
|    | (iv) 2x6 sq.mm.                                                                                                                                                                                                                                                                                                                                                                                                                         | 20 | Mtr. |  |  |  | P/Mtr.  |  |
| 10 | 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.Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI .                                                                                                                                | 15 | Mtr. |  |  |  | P/Mtr.  |  |
| 11 | 3x1.5 Sq. mm.<br>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 capping along with 2 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI .                                      | 20 | Mtr. |  |  |  | P/Mtr.  |  |
| 12 | Earthing with G.I earth pipe 4.5 mtr. long and 40mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. ( but without charcoal or coke and salt ) complete as required complete as required complete in all respect.                                                                                                                                          | 1  | set  |  |  |  | per set |  |

|    |                                                                                                                                                                                                                                                                                                      |    |      |  |       |         |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|--|-------|---------|
| 13 | Extra for using salt and charcoal for pipe earth electrode complete as required complete in all respect.                                                                                                                                                                                             | 1  | set  |  |       | per set |
| 14 | 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.                                                                                                                                    | 40 | Mtr. |  |       | per mtr |
| 15 | 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:-                                                                | 1  | Nos  |  |       | Each    |
|    | Exhaust Fan, Light duty, (Domestic) 300 mm sweep                                                                                                                                                                                                                                                     |    |      |  |       |         |
| 16 | Providing and fixing Glazed LED 20 watt Batten High quality design aluminium extruded with decorative end caps complete with Connection, testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. .Make : Wipro / Bajaj / Phillips / Jaquar / | 10 | Nos  |  |       | Each    |
| 17 | Providing and Fixing LED 9 Watt in the existing holder as required complete in all respect. Make : Wipro / Bajaj / Phillips / Jaquar /                                                                                                                                                               | 14 | Nos  |  |       | Each    |
| 18 | Supplying and fixing of LED Wall Bracket including making connections, testing etc. as required. Make : Wipro / Bajaj / Phillips / Jaquar /                                                                                                                                                          | 1  | Nos  |  |       | Each    |
| 19 | Providing & fixing LED street light of 25 Watt to enhance the delight of occupants with comfortable experience through its classic design & glare free illumination of complete with Connection, testing commissioning etc as required in all respect. Make : Wipro / Bajaj / Phillips / Jaquar /    | 3  | Nos  |  |       | Each    |
|    |                                                                                                                                                                                                                                                                                                      |    |      |  | TOTAL |         |

  
 Executive Engineer  
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 HPPWD Mandi

| 7                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |      |               |      | Estimated Cost:- Rs 298831/- only |
|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------|---------------|------|-----------------------------------|
|                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |      |               |      | Earnest Money:- Rs. 6000/- only   |
|                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |      |               |      | Time :- one Month                 |
| Schedule of Quantity                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |      |               |      |                                   |
| NAME OF WORK :- Rewiring of HPPWD Rest House at Luj, Tehsil- Pangl District Chamba (HP). |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |      |               |      |                                   |
| S.N.                                                                                     | Description                                                                                                                                                                                                                                                                                                                                                                                                                                        | Qty.    | Rate | Rate in words | Unit | Amount                            |
| 1                                                                                        | Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC Insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in 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. PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI Cable make.          | 53 Nos. |      |               | Each |                                   |
|                                                                                          | Group C.                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |      |               |      |                                   |
| 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 complete in all respect. PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI Cable make. | 5 Nos.  |      |               | Each |                                   |
|                                                                                          | Group C.                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |      |               |      |                                   |
| 3                                                                                        | Supplying and fixing following rating Piano-type switch /socket on the existing switch box / cover including connections etc. as required complete in all respect. ESS ESS KAY / COSMO make.                                                                                                                                                                                                                                                       |         |      |               |      |                                   |
| i)                                                                                       | S.P. 5/ 6 Amps one way switch, piano type.                                                                                                                                                                                                                                                                                                                                                                                                         | 21 Nos  |      |               | Each |                                   |
| ii)                                                                                      | 5 pin 5/ 6 Amps socket outlet, porcelain base/ piano type.                                                                                                                                                                                                                                                                                                                                                                                         | 21 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. ESS ESS KAY / COSMO make.                                                                                                 | 13 Nos  |      |               | Each |                                   |
| 5                                                                                        | Supplying and fixing bakelite batten/angle holder including connections etc. as required Complete in all respect. Make: Cona, MK, SSK.                                                                                                                                                                                                                                                                                                             | 11 Nos  |      |               | Each |                                   |
| 6                                                                                        | Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, C curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respect. L&T / Legrand / Siemens Make.                                                                                                                                                                          | 23 Nos  |      |               | Each |                                   |
|                                                                                          | Single pole. Cat-A.                                                                                                                                                                                                                                                                                                                                                                                                                                |         |      |               |      |                                   |
| 7                                                                                        | Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 24G volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earl 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. L&T / Legrand, Siemens Make                |         |      |               |      |                                   |

|      |                                                                                                                                                                                                                                                                                                                                                                                                                            |  |           |  |           |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------|--|-----------|
| i)   | Double door- 8 way                                                                                                                                                                                                                                                                                                                                                                                                         |  | 2 Nos.    |  | Each      |
| ii)  | Double door- 12 way                                                                                                                                                                                                                                                                                                                                                                                                        |  | 2 Nos.    |  | Each      |
| 8    | 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 PVC casing & capping along with 2 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respect. <b>PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI Cable make.</b>                               |  | 35 Metre  |  | Per Metre |
| 9    | 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 & capping along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required complete in all respect. <b>PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI Cable make.</b>                |  |           |  |           |
| i)   | 2x1.5 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                                                              |  | 140 Metre |  | Per Metre |
| ii)  | 2x4.0 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                                                              |  | 140 Metre |  | Per Metre |
| iii) | 2x6.0 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                                                              |  | 20 Metre  |  | Per Metre |
| 10   | Wiring for circuit / sub-main with 4x10 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 2 No.10 Sq.mm. (4x10+2x10) HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respect. <b>PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI Cable make.</b> |  | 5 Metre   |  | Per Metre |
| 11   | 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. <b>PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI Cable make.</b>                                                                                                |  | 50 Metre  |  | Per Metre |
|      | 3x1.5 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                                                              |  |           |  |           |
| 12   | 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. <b>L&amp;T / Legrand / Siemens Make.</b>                                                                                                                                           |  | 4 Nos.    |  | Each      |
|      | Double pole. Cat-A.                                                                                                                                                                                                                                                                                                                                                                                                        |  |           |  |           |
| 13   | 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. <b>L&amp;T / Legrand / Siemens Make.</b>                                                                            |  | 4 Nos.    |  | Each      |
|      | 40 Amps. Cat-A.                                                                                                                                                                                                                                                                                                                                                                                                            |  |           |  |           |
| 14   | Providing and fixing 18 Watt T-5 Indoor decorative LED BATTEN WITH EXTRACTED ALUMINIUM HOUSING AND OPAL DIFFUSER including LED Rod complete with connections, testing and commissioning as required complete in all respect as per entire satisfaction of Engineer-in-Charge. <b>Make : Wipro / Bajaj / Phillips / Twinkle.</b>                                                                                            |  | 13 Nos    |  | Each      |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |  |           |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--|-----------|
| 15 | Supplying and fixing LED lamp 5 Watt including connections, testing and commissioning etc. as required complete in all respect as per entire satisfaction of the Engineer in charge. <b>Make : Wipro / Bajaj / Phillips / Twinkle.</b>                                                                                                                                                                                                                                                                                                                      | 19 Nos   |  | Each      |
| 16 | Providing and fixing LED 30 watt Street Light with lens made up of pressure die cast aluminium housing and enclosed with toughened glass IP66 luminaire complete with connection, testing commissioning etc as required in all respect complete in all respect as per entire satisfaction of Engineer-in-Charge. <b>Make : Wipro / Twinkle. / Bajaj / Led Lum.</b>                                                                                                                                                                                          | 3 Nos    |  | Each      |
| 17 | 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.                                                                                                                                      | 3 Nos    |  | Each      |
| 18 | 32 mm dia. G.I. pipe, heavy class<br>Supplying & fixing wall bracket fitting single lamp with Plastic body holder, complete with all accessories, connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. <b>Make : Wipro / Bajaj / Phillips / Twinkle.</b><br>Fixed type wall bracket 150 dia, single lamp. (Category-A).                                                                                                                                                     | 8 Nos.   |  | Each      |
| 19 | 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.<br>Exhaust Fan, Light duty, (Domestic) 300 mm sweep <b>Bajaj, Usha, Make.</b>                                                                                                                                                                                                                  | 6 Nos    |  | Each      |
| 20 | Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of Expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of Non-return valve, Dead weight safety valve, 2 No C.P. connection rods 18" long, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required complete in all respect as per entire satisfaction of Engineer-in-Charge. <b>(Make : Racold / Venus / Usha.)</b> | 5 Nos    |  | Each      |
| 21 | 25 Liter capacity water heater (Cat-A)<br>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.                                                                                                                                                                                                                                         | 2 Set    |  | Per Set   |
| 22 | Extra for using salt and charcoal for pipe earth electrode complete as required complete in all respect.                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2 Set    |  | Per Set   |
| 23 | 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.                                                                                                                                                                                                                                                                                                                                                                                           | 50 Metre |  | Per Metre |
| 24 | Providing and fixing TP&N switch disconnector fuse unit cubical type, 415/500 volts with 3 No. HBC/HRC fuses, in sheet steel enclosure including drilling holes on the board, connections, earthing the body etc. as required complete in all respect as per entire satisfaction of Engineer-in-Charge. <b>(Make : L&amp;T / Schneider / ABB / Legrand.)</b>                                                                                                                                                                                                | 1 No.    |  | Each      |

| 63 Amp. Category-A |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |              |  |  |  |  |                  |  |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------|--|--|--|--|------------------|--|
| 25                 | Supplying and fixing sheet metal bus-bar chamber suitable for 63 Amp. 415 volts capacity with 4 No. copper strip bus-bars each of length 450mm & cross-sectional area (16mmx3.17mm), enclosure made from 1.6 mm thick M.S. sheet having overall dimensions (530mmx350mmx150mm) nominal with all accessories including connections, earthing the body etc. as required complete in all respect as per entire satisfaction of Engineer-in-Charge. Make : Schneider/ Legrand/ L&T.             | 1   | No           |  |  |  |  | Each             |  |
| 26                 | Supplying and erection of wall mounted metal boards for switch gear mounting of suitable size, with permissible variation in size of plus minus 5mm, welded frame work made of M.S. angle iron 50 mm x 50 mm x 6 mm thick duly welded complete with 3mm thick M.S. sheet fixed with hinges as open able front, complete with locking arrangement including painting and bonding to the existing earth as required complete in all respect as per entire satisfaction of Engineer-in-Charge. | 0.5 | Square Metre |  |  |  |  | Per Square Metre |  |
| 27                 | Supplying and fixing Recessed mounting LED sleek round down lighter with high efficient LED's and glare free opal 15 Watt including connections, etc. as required complete in all respect as per entire satisfaction of Engineer-in-Charge. Make : Wipro / Bajaj / Phillips / Twinkle.                                                                                                                                                                                                      | 6   | Nos          |  |  |  |  | Each             |  |
| 28                 | Supplying & fixing bell indicator 8 way superior quality make and design suitable to operate on 230 volts D.C. Supply as required complete in all respect as per entire satisfaction of Engineer-in-Charge. Make : SSK/MK/Cona.                                                                                                                                                                                                                                                             | 1   | Nos          |  |  |  |  | Each             |  |
|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |              |  |  |  |  | Total            |  |

  
 Executive Engineer  
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| Job-# 238                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Estimated Cost :- Rs. 208841/- Only |           |          |           |        |
|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------|----------|-----------|--------|
|                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Earnest Money :- Rs.4200 /- Only    |           |          |           |        |
|                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Time :- Along with civil work.      |           |          |           |        |
| SCHEDULE OF QUANTITY                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                     |           |          |           |        |
| Name of Work : C/o Health Sub Centre and Residence at Murah Tehsil Balichowki Distt Mandi HP (Sh- Prov. E.I. in there in.) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                     |           |          |           |        |
| S.No.                                                                                                                      | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Qty.                                | Rate      |          | Unit      | Amount |
|                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                     | In Figure | In Words |           |        |
| 1                                                                                                                          | Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FINOLEX.                 | 25                                  | Nos       |          | Each      |        |
| i)                                                                                                                         | Group C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                     |           |          |           |        |
| ii)                                                                                                                        | Group A.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 21                                  | Nos       |          | Each      |        |
| 2                                                                                                                          | Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required..PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI Cable make.                                                                                  |                                     |           |          |           |        |
| i)                                                                                                                         | 2x1.5 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 90                                  | Metre     |          | Per Metre |        |
| ii)                                                                                                                        | 2x4.0 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 110                                 | Metre     |          | Per Metre |        |
| iii)                                                                                                                       | 2x6.0 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 10                                  | Metre     |          | Per Metre |        |
| 3                                                                                                                          | Wiring for circuit / sub-main with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 2 No.4 Sq.mm. (4X4+2X4)HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respects per entire satisfaction of the Engineer in charge. Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX. | 20                                  | Metre     |          | Per Metre |        |
| 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. Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI .                                                                                                                                             | 30                                  | Metre     |          | Per Metre |        |
|                                                                                                                            | 3x1.5 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                     |           |          |           |        |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |       |  |           |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|--|-----------|
| 5  | 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. <b>Make- ESS KAY / CONA / Anchor</b>                                                                                                                | 13 | Nos.  |  | Each      |
| 6  | Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 6 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc. as required complete in all respect. <b>Make- ESS KAY / CONA / Anchor.</b>                                                                                                           | 11 | Nos.  |  | Each      |
| 7  | Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respect. <b>Make : L&amp;T / Legrand / Siemens.</b>                                                                                                                                                                                 | 19 | Nos.  |  | Each      |
| 8  | Single pole. Cat-A.<br>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. <b>Make : L&amp;T / Legrand / Siemens..</b>                                                                                                                                                               | 2  | Nos.  |  | Each      |
| 9  | Double pole Cat-A<br>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. <b>Make : L&amp;T / Legrand / SIEMENS.</b> | 2  | Nos.  |  | Each      |
| 10 | Double Door 12 Way<br>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.                                                                                                                                                                          | 2  | Set   |  | Per Set   |
| 11 | Extra for using salt and charcoal for G.I. or copper plate earth electrode complete as required complete in all respect.                                                                                                                                                                                                                                                                                                                                                 | 2  | Set   |  | Per Set   |
| 12 | Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required complete in all respect.                                                                                                                                                                                                                                                                                                        | 30 | Metre |  | Per Metre |
| 13 | Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required complete in all respect. <b>Make: Bajaj , Usha, Anchor</b>                                                                                                                                                                           | 3  | Nos   |  | Each      |
| 14 | Exhaust Fan, Light duty. (Domestic) 300 mm sweep<br>Supplying and fixing bakelite batten/angle holder including connections etc. as required Complete in all respect. <b>Make: ANCHOR , CONA , ESS KAY .</b>                                                                                                                                                                                                                                                             | 5  | Nos   |  | Each      |

|        |                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |      |  |  |      |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|--|--|------|
| 15     | 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)                                                                                                                                                                                                                                                                              | 3  | Nos. |  |  | Each |
| 16     | Providing and fixing LED 20 watt High quality design PC Batten 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 / Anchor Panasonic.                                                                                                                             | 10 | Nos  |  |  | Each |
| 17     | Providing and fixing LED batten of 40 Watt of to enhance the delight of occupants with comfortable experience through its classic design & glare free illumination complete with Connection, testing commissioning etc as required complete in all respect as per entire satisfaction of Engineer- in- Charge. Make : Wipro / Twinkle. / Bajaj / Led Lum.                                                                                     | 6  | Nos. |  |  | Each |
| 18     | Providing and fixing LED Surface / 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 .                                                                                                              | 10 | Nos. |  |  | Each |
| 19     | Providing and fixing LED Surface mounted 2x2 36 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     | 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                                                                          | 2  | Nos  |  |  | Each |
| 21     | 32 mm dia. G.I. pipe, heavy class<br>Supplying and Fixing LED Street Light 25 Watt LED made up of pressure die cast aluminium housing with high power LED as lighting source and lens embedded PC Cover having TOP OPENING separate driver compartment with IP 66 protection and impact resistance of IK 07 luminair complete with connection testing commissioning etc as required complete in all respect. Make: Bajaj/Siska/Jaquar/Philips | 2  | Nos  |  |  | Each |
| Total: |                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |      |  |  |      |

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

| Job-                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |           |      |          | Estimated Cost :- Rs. 208841/- Only |
|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|------|----------|-------------------------------------|
|                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |           |      |          | Earnest Money :- Rs. 4200 /- Only   |
|                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |           |      |          | Time :- Along with civil work.      |
| SCHEDULE OF QUANTITY                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |           |      |          |                                     |
| Name of Work : C/o Health Sub Centre and Residence at Devdhar Tehsil Balichowki Distt Mandi HP (Sh- Prov. E.I. in there in.) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |           |      |          |                                     |
| S.No.                                                                                                                        | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Qty.      | In Figure | 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 surface/recessed PVC conduit and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect . <b>Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FINOLEX.</b>                 | 25 Nos    |           |      |          | Each                                |
| i)                                                                                                                           | Group C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |           |      |          |                                     |
| ii)                                                                                                                          | Group A.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 21 Nos    |           |      |          | Each                                |
| 2                                                                                                                            | Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required.. <b>PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI Cable make.</b>                                                                                  |           |           |      |          |                                     |
| i)                                                                                                                           | 2x1.5 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 90 Metre  |           |      |          | Per Metre                           |
| ii)                                                                                                                          | 2x4.0 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 110 Metre |           |      |          | Per Metre                           |
| iii)                                                                                                                         | 2x6.0 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 10 Metre  |           |      |          | Per Metre                           |
| 3                                                                                                                            | Wiring for circuit / sub-main with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 2 No.4 Sq.mm. (4X4+2X4)HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respectas per entire satisfaction of the Engineer in charge. <b>Cable Make : PLAZA / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI / FENOLIX.</b> | 20 Metre  |           |      |          | Per Metre                           |
| 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. <b>Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI .</b>                                                                                                                                              | 30 Metre  |           |      |          | Per Metre                           |
|                                                                                                                              | 3x1.5 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |           |      |          |                                     |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |       |  |           |  |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|--|-----------|--|
| 5  | 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. <b>Make- ESS KAY / CONA /Anchor</b>                                                                                                                 | 13 | Nos.  |  | Each      |  |
| 6  | Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 6 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc. as required complete in all respect. <b>Make- ESS KAY / CONA /ANCHOR.</b>                                                                                                            | 11 | Nos.  |  | Each      |  |
| 7  | Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respect. <b>Make : L&amp;T / Legrand / Siemens.</b>                                                                                                                                                                                 | 19 | Nos.  |  | Each      |  |
| 8  | Single pole. Cat-A.<br>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. <b>Make : L&amp;T / Legrand / Siemens..</b>                                                                                                                                                               | 2  | Nos.  |  | Each      |  |
| 9  | Double pole Cat-A<br>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. <b>Make : L&amp;T / Legrand / SIEMENS.</b> | 2  | Nos.  |  | Each      |  |
| 10 | Double Door 12 Way<br>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.                                                                                                                                                                          | 2  | Set   |  | Per Set   |  |
| 11 | Extra for using salt and charcoal for G.I. or copper plate earth electrode complete as required complete in all respect.                                                                                                                                                                                                                                                                                                                                                 | 2  | Set   |  | Per Set   |  |
| 12 | Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required complete in all respect.                                                                                                                                                                                                                                                                                                        | 30 | Metre |  | Per Metre |  |
| 13 | Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required complete in all respect. <b>Make: Bajaj , Usha, Anchor</b>                                                                                                                                                                           | 3  | Nos   |  | Each      |  |
| 14 | Exhaust Fan, Light duty, (Domestic) 300 mm sweep<br>Supplying and fixing bakelite batten/angle holder including connections etc. as required Complete in all respect. <b>Make: ANCHOR , CONA , ESS KAY .</b>                                                                                                                                                                                                                                                             | 5  | Nos   |  | Each      |  |

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |      |  |  |      |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|--|--|------|
| 15            | Supplying and fixing call bell / buzzer, suitable for D.C./A.C. single phase, 230 volts complete as required complete in all respect. <b>(ANCHOR / CONA / ESSESSKAY)</b>                                                                                                                                                                                                                                                                             | 3  | Nos. |  |  | Each |
| 16            | Providing and fixing LED 20 watt High quality design PC Batten with decorative end caps complete with Connection, testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. <b>Make: Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max / Anchor Panasonic.</b>                                                                                                                             | 10 | Nos  |  |  | Each |
| 17            | Providing and fixing LED batten of 40 Watt of to enhance the delight of occupants with comfortable experience through its classic design & glare free illumination complete with Connection, testing commissioning etc as required complete in all respect as per entire satisfaction of Engineer-in-Charge. <b>Make: Wipro / Twinkle / Bajaj / Led Lum.</b>                                                                                         | 6  | Nos. |  |  | Each |
| 18            | Providing and fixing LED Surface / pendant 1x1 20 watt Square pannel with aluminium die cast housing of superior quality complete with Connection, testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. <b>Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max .</b>                                                                                                             | 10 | Nos. |  |  | Each |
| 19            | Providing and fixing LED Surface mounted 2x2 36 watt Square pannel with aluminium die cast housing of superior quality complete with Connection, testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. <b>Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max .</b>                                                                                                               | 2  | Nos  |  |  | Each |
| 20            | 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                                                                                 | 2  | Nos  |  |  | Each |
| 21            | 32 mm dia. G.I. pipe, heavy class<br>Supplying and Fixing LED Street Light 25 Watt LED made up of pressure die cast aluminium housing with high power LED as lighting source and lens embedded PC Cover having TOP OPENING separate driver compartment with IP 66 protection and impact resistance of IK 07 luminair complete with connection testing commissioning etc as required complete in all respect. <b>Make: Bajaj/Siska/Jaquar/Philips</b> | 2  | Nos  |  |  | Each |
| <b>Total:</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |      |  |  |      |

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

| Job-10                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Estimated Cost :- Rs. 230940/- Only |           | Earnest Money :- Rs.4650 /- Only |           | Time :- Along with civil work. |  |
|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------|----------------------------------|-----------|--------------------------------|--|
| SCHEDULE OF QUANTITY                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                     |           |                                  |           |                                |  |
| Name of Work : C/o Govt.Sr.Sec School at Shuhan Thach Tehsil Thunag Distt Mandi HP (Sh:- Providing E.I. in 2Nd Floor there in.) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                     |           |                                  |           |                                |  |
| S.No.                                                                                                                           | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Qty.                                | Rate      |                                  | Unit      | Amount                         |  |
|                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                     | In Figure | In Words                         |           |                                |  |
| 1                                                                                                                               | Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required complete in all respect. i) Group C Cable Make: PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI. | 39                                  | Nos.      |                                  | Each      |                                |  |
| 2                                                                                                                               | Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed 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. Cable Make: PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.                                                   |                                     |           |                                  |           |                                |  |
| i)                                                                                                                              | 2x1.5 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 70                                  | Metre     |                                  | Each      |                                |  |
| ii)                                                                                                                             | 2x4.0 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 50                                  | Metre     |                                  | Each      |                                |  |
| iii)                                                                                                                            | 2x10.0 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 20                                  | Metre     |                                  | Per Metre |                                |  |
| 3                                                                                                                               | Wiring for circuit / sub-main with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.4 Sq.mm. (4X4+2X4)HRFRLS/PVC insulated single core copper conductor cable for earthing as required complete in all respect. Cable Make: PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.                                               | 25                                  | Metre     |                                  | Per Metre |                                |  |
| 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. Cable Make: PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.                                                                                                                                           | 20                                  | Metre     |                                  | Per Metre |                                |  |
| 5                                                                                                                               | 3x1.5 Sq. mm.<br>Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps, piano type switch, connections, painting etc. as required complete in all respect..Make- ESS KAY / COSMO/Anchor                                                                                                        | 5                                   | Nos.      |                                  | Each      |                                |  |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |       |  |      |  |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|--|------|--|
| 6  | Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 6 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc. as required complete in all respect. <b>Make- ESS KAY / COSMO/Anchor</b>                                                                                                           | 4  | Nos.  |  | Each |  |
| 7  | Supplying and fixing bakelite batten/angle holder including connections etc. as required complete in all respect. <b>Make:- Anchor , Cona , SSK</b>                                                                                                                                                                                                                                                                                                                    | 2  | Nos.  |  | Each |  |
| 8  | 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. <b>Make : L&amp;T / Legrand / Siemens.</b>                                                                                                                                                                               | 13 | Nos.  |  | Each |  |
| 9  | Single pole. Cat-A.<br>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. <b>Make : L&amp;T / Legrand / Siemens..</b>                                                                                                                                                             | 1  | Nos.  |  | Each |  |
| 10 | Double pole Cat-A.<br>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 respect. <b>Make : L&amp;T / Legrand / ABB / SIEMENS.</b> | 1  | Nos.  |  | Each |  |
| 11 | Double Door 16Way<br>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 |  | Each |  |
| 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. <b>Make : Bajaj/Usha/Crompton Greaves</b>                                                                                                                                                                 | 3  | Nos.  |  | Each |  |
| 13 | Exhaust Fan, Light duty, (Domestic) 300 mm sweep<br>Providing & fixing surface LED 1'X1' of 20 Watt to enhance the delight of occupants with comfortable experience through its classic design & glare free illumination of Twinkle make as per Cat no. LUXOTICA-PL-003-(R) complete with Connection, testing commissioning etc as required complete in all respect.                                                                                                   | 7  | Nos.  |  | Each |  |
| 14 | Supplying & fixing 36 Watt Recess 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..                                                                                                                                                                                         | 8  | Nos.  |  | Each |  |
| 15 | Providing and fixing Glazed LED 20 Watt Batten high quality aluminium extruded with decorative end caps complete with connection ,testing commissioning as required complete in all respect <b>Make:Bajaj/Siska/Jaquar/Philips</b>                                                                                                                                                                                                                                     | 4  | Nos.  |  | Each |  |

|                                                                                                                                                                                                               |    |      |  |  |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|--|--|------|
| ket P/T 3 No, 5 Amps Switch P/T= 3 Nos on metal box of<br>with complete in all respect as required complete in all                                                                                            | 4  | Nos. |  |  | Each |
| SS ESS KAY / COSMO/Anchor                                                                                                                                                                                     |    |      |  |  |      |
| 40 Watt of to enhance the delight of occupants with<br>its classic design & glare free illumination of make as<br>complete with Connection,testing commissioning etc as<br>D LUM, Twinkle,Jaquar,Bajaj, Clair | 15 | Nos. |  |  | Each |
| Total:                                                                                                                                                                                                        |    |      |  |  |      |

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

| Job- 1                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |           |          |              |        | Estimated Cost :- Rs. 410213/- Only<br>Earnest Money :- Rs 8250/- Only<br>Time :- One Month. |
|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|----------|--------------|--------|----------------------------------------------------------------------------------------------|
| SCHEDULE OF QUANTITY                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |           |          |              |        |                                                                                              |
| Name of Work :-Replacement of old Post Top Lantern , street Light Fixture , Armoured Cable in Rest House at Kotli Distt. Mandi (H.P ) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |           |          |              |        |                                                                                              |
| S.No.                                                                                                                                 | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Qty. | Rate      |          | Unit         | Amount |                                                                                              |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      | In Figure | In Words |              |        |                                                                                              |
| 1                                                                                                                                     | 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. MAKE:- CCI/UNIVERSAL/FINOLE/<br>POLYCAB/RALLISON/G RANDLA                                                                                                                            | 250  | Metre     |          | Per<br>Metre |        |                                                                                              |
| 2                                                                                                                                     | Armoured cable 4 sq. mm (Twin core)<br>Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required complete in all respect. MAKE:-<br>FINOLE/ PLAZA/RR/UNITECH/BENTION/KEI                                                                                                                                                                                                  | 20   | Metre     |          | Per<br>Metre |        |                                                                                              |
| 3                                                                                                                                     | 3x1.5 Sq.mm.<br>Supplying & erection campus LED Steel Pole with LED fitting Double arm bracket fixture are made of die cast aluminium base and spun aluminium top fitted with LED PT modular power LED's are mounted directly on inbuilt extruded aluminium heat sinks. AUV stadlized injection moulded PC diffuser is provided for glare free lighting with high visual comfort as reqd. complete with all accessories including making connections, testing etc. as required complete in all respect. MAKE :-Twinkle/ Bajaj/ K-Lite . | 2    | Nos.      |          | Each         |        |                                                                                              |
| 4                                                                                                                                     | Supplying & erection campus LED Steel Pole with LED fitting Single arm bracket fixture are made of die cast aluminium base and spun aluminium top fitted with LED PT modular power LED's are mounted directly on inbuilt extruded aluminium heat sinks. AUV stadlized injection moulded PC diffuser is provided for glare free lighting with high visual comfort as reqd. complete with all accessories including making connections, testing etc. as required complete in all respect. MAKE :-Twinkle/ Bajaj/ K-Lite .                 | 3    | Nos.      |          | Each         |        |                                                                                              |
| 5                                                                                                                                     | Supplying & erection Gate Light LED Post Top fixture are made of die cast aluminium housing with three nos.die cast aluminium are provided to support the housing power LED 's are mounting directly on extruded heat sinks .AUV stalized PC diffuser is provided for diffused lighting reqd. complete with all accessories including making connections, testing etc. as required. MAKE :-Twinkle/ Bajaj/ K-Lite .                                                                                                                     | 2    | Nos.      |          | Each         |        |                                                                                              |

|   |                                                                                                                                                                                                                                                                                              |   |      |  |  |      |          |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------|--|--|------|----------|
| 6 | Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete in all respect <b>MAKE :-</b><br><b>LEGRAND / L&amp;T/C&amp;S/GE</b> | 2 | Nos. |  |  | EACH |          |
|   | Double pole(Category-A)                                                                                                                                                                                                                                                                      |   |      |  |  |      |          |
|   | <b>Total</b>                                                                                                                                                                                                                                                                                 |   |      |  |  |      |          |
|   | Less Dismantal credit                                                                                                                                                                                                                                                                        |   | L/S  |  |  |      | -2000.00 |
|   | <b>Total</b>                                                                                                                                                                                                                                                                                 |   |      |  |  |      |          |

  
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| 12                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |      |               |      |        | Estimated cost:- Rs. 103735/- only |
|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|---------------|------|--------|------------------------------------|
|                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |      |               |      |        | Earnest Money :- Rs. 2100/- only   |
|                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |      |               |      |        | Time :- along with civil work      |
| Schedule of quantity                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |      |               |      |        |                                    |
| Name of work:- C/O Veterinary feed store building at Killar Tehsil pangji (SH:- Prov. E.I there in ) |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |      |               |      |        |                                    |
| S. No.                                                                                               | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                | Qty. | rate | rate in words | unit | Amount |                                    |
| 1                                                                                                    | Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC cassing capping and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required. Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.              | 27   | Nos  |               | Each |        |                                    |
| i                                                                                                    | Group C.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |      |               |      |        |                                    |
| 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 cassing capping and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required. Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI. | 1    | Nos  |               | Each |        |                                    |
|                                                                                                      | Group c.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |      |               |      |        |                                    |
| 3                                                                                                    | Supplying and fixing following rating Piano-type switch /socket on the existing switch box / cover including connections etc. as required. Make: Anchor, CONA, SSK.                                                                                                                                                                                                                                                                                        |      |      |               |      |        |                                    |
| i                                                                                                    | 5/6 Amps. piano type switch                                                                                                                                                                                                                                                                                                                                                                                                                                | 6    | Nos  |               | Each |        |                                    |
| ii                                                                                                   | 5 pin 5/6 Amps. Socket                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6    | 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. Make: Anchor, CONA, SSK                                                                                                                                   | 3    | Nos  |               | Each |        |                                    |
| 5                                                                                                    | Supplying and fixing bakelite batten/angle holder including connections etc. as required complete in all respect. Make: Anchor, CONA, SSK                                                                                                                                                                                                                                                                                                                  | 13   | Nos  |               | Each |        |                                    |
| 6                                                                                                    | Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:- L&T / Legrand / ABB / SIEMENS.                                                                                                                                                                                                      |      |      |               |      |        |                                    |
|                                                                                                      | Single pole. Cat-A.                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3    | Nos  |               | Each |        |                                    |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |      |  |  |         |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|--|--|---------|
| 7  | 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:- L&T / Legrand / ABB / SIEMENS.                                                                                                                                                                                         | 2  | No   |  |  | Each    |
| 8  | Double pole. Cat-A.<br>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:- L&T / Legrand / ABB / SIEMENS. | 2  | Nos  |  |  | Each    |
| 9  | (i) Double door-8 way<br>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 capping along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required.Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.                  | 70 | Mtr. |  |  | P/Mtr.  |
|    | (ii) 2x1.5 Sq. mm.                                                                                                                                                                                                                                                                                                                                                                                                                      | 50 | Mtr. |  |  | P/Mtr.  |
|    | (iv) 2x6 sq. mm.                                                                                                                                                                                                                                                                                                                                                                                                                        | 20 | Mtr. |  |  | P/Mtr.  |
| 10 | 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.Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.                                                                                                                                 | 15 | Mtr. |  |  | P/Mtr.  |
| 11 | 3x1.5 Sq. mm.<br>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 capping along with 2 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.Cable make : PLAZA / FINOLEX / UNITECH / BONTON / KEI / BIYANI / GEMSCAB / CMI.                                       | 20 | Mtr. |  |  | P/Mtr.  |
| 12 | Earthing with G.I earth pipe 4.5 mtr. long and 40mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. ( but without charcoal or coke and salt ) complete as required complete as required complete in all respect.                                                                                                                                          | 1  | set  |  |  | per set |

|       |                                                                                                                                                                                                                                                                                                     |    |      |  |  |  |         |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|--|--|--|---------|
| 13    | Extra for using salt and charcoal for pipe earth electrode complete as required complete in all respect.                                                                                                                                                                                            | 1  | set  |  |  |  | per set |
| 14    | 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.                                                                                                                                   | 40 | Mtr. |  |  |  | per mtr |
| 15    | 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:-<br>Exhaust Fan, Light duty, (Domestic) 300 mm sweep           | 1  | Nos  |  |  |  | Each    |
| 16    | Providing and fixing Glazed LED 20 watt Batten High quality design aluminium extruded with decorative end caps complete with Connection,testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. .Make : Wipro / Bajaj / Phillips / Jaquar / | 10 | Nos  |  |  |  | Each    |
| 17    | Providing and Fixing LED 9 Watt in the existing holder as required complete in all respect. Make : Wipro / Bajaj / Phillips / Jaquar /                                                                                                                                                              | 14 | Nos  |  |  |  | Each    |
| 18    | Supplying and fixing of LED Wall Bracket including making connections, testing etc. as required. Make : Wipro / Bajaj / Phillips / Jaquar /                                                                                                                                                         | 1  | Nos  |  |  |  | Each    |
| 19    | Providing & fixing LED street light of 25 Watt to enhance the delight of occupants with comfortable experience through its classic design & glare free illumination of complete with Connection,testing commissioning etc as required in all respect. Make : Wipro / Bajaj / Phillips / Jaquar /    | 3  | Nos  |  |  |  | Each    |
| TOTAL |                                                                                                                                                                                                                                                                                                     |    |      |  |  |  |         |

  
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**DRAFT SCHEDULE OF QUANTITY**

|                                                                                                                                                                                                                      |                                                                                                           |                         |      |                |      |             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------|------|----------------|------|-------------|
| 13                                                                                                                                                                                                                   |                                                                                                           | DRAFT SCHEDULE OF WORKS |      | Estimated Cost |      | Rs.498222/- |
|                                                                                                                                                                                                                      |                                                                                                           |                         |      | Earnest Money  |      | Rs.10000/-  |
|                                                                                                                                                                                                                      |                                                                                                           |                         |      | Time Limit     |      | One month   |
| Name of work:- Repair and Maintenance of 33KV/11KV Sub Station panel with PCC Digital Electronics control at SLBSGMC& Hospital Nerchowk in Distt Mandi HP (Sh:- R/M of 33&11kv CT & 11PCC electrical Panel therein ) |                                                                                                           |                         |      |                |      |             |
| S.N                                                                                                                                                                                                                  | Description of items                                                                                      | Qty.                    | Rate | Rate in words  | UNIT | Amount      |
| 1                                                                                                                                                                                                                    | Prov, Fitting and commissioning of 33kv Current trasformer ratio 400/200/5/5 Amp.                         | 3 Nos.                  |      |                | Each |             |
| 2                                                                                                                                                                                                                    | Prov, Fitting and commissioning of 11kv Current Transformer Ratio 600/400/200/5A, CL: 1.0-5P              | 6 Nos.                  |      |                | Each |             |
| 3                                                                                                                                                                                                                    | Repair maintenance of 11 kv Breaker VCB make Schenider, 12KV 1250 Amp Complete Testing with CRM and Timer | 1 No.                   |      |                | Each |             |
| Total :-                                                                                                                                                                                                             |                                                                                                           |                         |      |                |      |             |

  
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**SCHEDULE OF QUANTITY**

| SCHEDULE OF QUANTITY                                                                                                                                                                                                     |                                                                                                                                        |        |      |                |             |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------|------|----------------|-------------|--------|
|                                                                                                                                                                                                                          |                                                                                                                                        |        |      | Estimated Cost | Rs.499612/- |        |
|                                                                                                                                                                                                                          |                                                                                                                                        |        |      | Earnest Money  | Rs.20000/-  |        |
|                                                                                                                                                                                                                          |                                                                                                                                        |        |      | Time Limit     | One month   |        |
| Name of work:- Repair and Maintenance of 33KV/11KV Sub Station panel with PCC Digital Electronics control at SLBSGMC& Hospital Nerchowk in Distt Mandi HP. (Sh :- R/M of 33Kv PT, 11KV PT and r/m of Trasformer 7.5 MVA) |                                                                                                                                        |        |      |                |             |        |
| S.N                                                                                                                                                                                                                      | Description of items                                                                                                                   | Qty.   | Rate | Rate in words  | UNIT        | Amount |
| 1                                                                                                                                                                                                                        | Prov, Fitting and commissioning of 33kv Voltage Transformer type earthed 33000/R3, Voltage 110/R3 VA 100, CL1.0, Ratio 33KV/R3/110V/R3 | 3 Nos. |      |                | Each        |        |
| 2                                                                                                                                                                                                                        | Prov, Fitting and commissioning of 11 kv Voltage Transformer rated voltage 11kv, Ratio: 11000 V/V3/110V/V3, CL 1.0, VA 100VA           | 6 Nos. |      |                | Each        |        |
| 3                                                                                                                                                                                                                        | Providing and fitting of Bushing Rod for power trasformer Make Kotsons 7500KVA, 33000V/11000V capacity 3530 Ltr                        | 1 No.  |      |                | Each        |        |
| Total :-                                                                                                                                                                                                                 |                                                                                                                                        |        |      |                |             |        |

  
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| Job: 75                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |         |          |      | Estimated Cost:- Rs.244268/- only |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------|----------|------|-----------------------------------|--|
|                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |         |          |      | Earnest Money:- Rs. 4900/- only   |  |
|                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |         |          |      | Time: Two Months.                 |  |
| Schedule Of Quantity                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |         |          |      |                                   |  |
| Name of work : Replacement of Old / Blockage Hepa and Fine Filter in Existing AHU's installed at Operation Theater at Shri Lal Bahadur Shastri Govt. Medical College and Hospital Nerchowk District Mandi H.P. |                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |         |          |      |                                   |  |
| Sr. Nos                                                                                                                                                                                                        | Description                                                                                                                                                                                                                                                                                                                                                                                                                                 | Qty | Rate    |          | unit | Amount                            |  |
|                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                             |     | In Fig. | In World |      |                                   |  |
| 1                                                                                                                                                                                                              | Providing and fixing Fine Filter flange type having size 500x500x305 mm as per specification i.e. grade: EU7 (Flange type), efficiency: 97 down to 3 micron, media: HDPE+non woven synthetic media+al expanded metal, media: Synthetic meltblown (EU7) -360 mm depth, MOC of frame: Al, Air Flow: Flange to box, Temperator: Ambient and capacity 1350 CFM etc. as required complete in all respect. <b>Make Sepectrum, Thermadyne etc.</b> | 8   | Nos.    |          | Each |                                   |  |
| 2                                                                                                                                                                                                              | Providing and fixing Hepa Filter flange type having size 500x500x305 mm as per specification: H13, Media: microglass fibre with aluminium foil separator, MOC of Frame: Al. anodised, Efficiency: 99.997% down to 0.30 micron, Air Flow: Flange to box, Temperature: Ambient and capacity 1350 CFM etc. as required complete in all respect. <b>Make Sepectrum, Thermadyne etc.</b>                                                         | 20  | Nos.    |          | Each |                                   |  |
| Total :-                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |         |          |      |                                   |  |

  
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| Job- 16                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |                 |               |      |        | Estimated Cost:- Rs. 146108/-only. |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|---------------|------|--------|------------------------------------|--|
|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |                 |               |      |        | Earnest Money:- Rs. 3000/-only.    |  |
|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |                 |               |      |        | Time :- One Year                   |  |
| Schedule of quantity                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |                 |               |      |        |                                    |  |
| NAME OF WORK: Repair Maintenance and Contract for Passenger Elevator No 40235066 Make 'KONE' installed in Girls Hostel block B in Shri Lal Bahadur Shastri Govt. Medical College and Hospital Nerchowk Distt.Mandi HP. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |                 |               |      |        |                                    |  |
| S.N.                                                                                                                                                                                                                   | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Qty. | Rate in figure. | Rate in words | Unit | Amount |                                    |  |
| 1                                                                                                                                                                                                                      | Annual Comprehensive Maintenance of Passenger Lift (Elevator) Make 'KONE' of following type and capacity with routine services at the regular interval of one month, Regular systematic examination adjustment, lubrication of machines, motor control parts including replacement of burnout parts, gears, bearings, brake shoe, rotating element, contact coils, resistance for operating motors and other mechanical as well as electrical parts etc as required to maintain the elevatory of lift in proper and safe operating conditions including emergency break down all attending services and sudden damages of mechanical parts etc. as per best satisfaction of the Engineer-In-Charge. Car Door, Landing Panel, Bulbs, Cabin Fans, Electrical Wiring and Panel, Dry Cell and Batteries, Hand Rail, Mirror, etc as per the norm of 'KONE' elevator not including in this scope of estimate. |      |                 |               |      |        |                                    |  |
| 1.01                                                                                                                                                                                                                   | Equipment No. 4025066                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1    | No.             |               | Each |        |                                    |  |
|                                                                                                                                                                                                                        | Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |                 |               |      |        |                                    |  |

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