

HIMACHAL PRADESH  
PUBLIC WORKS DEPARTMENT

NO.PW.ED.II.GA.TENDER/23-24-  
To

3690-92

DATED:-

12/7/23

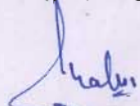
✓ The Executive Engineer (IT)  
Nirman Bhawan HPPWD  
Shimla-2

Subject: - **Publication of Tender Notice.**

Sir,

Jai Hind

Please find herewith the tender notice of works as given in the notice inviting tender for uploading on department website as per Notification vide Pr.Secy.(PW) to the Govt.of Himachal Pradesh letter No.PBW(B)I/2020 dated 27<sup>th</sup> May,2021 and PBW(B)A(3)I/2020 dated 16<sup>th</sup> July,2021 and even file dated 12.01.2023 as the works mentioned in the tender notice is (are) urgent in nature and in public interest.

  
Executive Engineer,  
Electrical Division No.II  
HPPWD, US Club, Shimla-1

Copy forwarded for further necessary action to the:-

1. The Superintending Engineer, 1<sup>st</sup> Electrical Circle, HPPWD, Shimla-9 for information please.
2. The Computer Cell O/O the Executive Engineer (IT Cell), Nirman Bhawan, Nigam Vihar, Shimla-1.

✓  
Executive Engineer,  
Electrical Division No.II  
HPPWD, US Club, Shimla-1



**HIMACHAL PRADESH PUBLIC WORKS DEPARTMENT**  
**Office of the Executive Engineer, Electrical Division No.II, HPPWD, Shimla-2**  
**E-mail: ee-eled2-hp@nic.in Phone/Fax No.0177- 2990187**

**NOTICE INVITING TENDER**

Sealed percentage rate tenders are hereby invited by the Executive Engineer, Electrical Division No. II HPPWD Shimla-1 in form No.6 & 8 on behalf of Governor of H.P. for the following works from the contractors of appropriate class enlisted with HPPWD (Electrical). The tenders shall be opened in the presence of contractors/firms or their authorized representative who wish to be present.

**TIME SCHEDULE OF TENDER**

- |  |                                  |
|--|----------------------------------|
| (i) Last date of receipt of application: | 21.09.2023 Up to 1.00 P.M        |
| (ii) Date of sale of tenders             | 21.09.2023 Up to 2 PM to 5.00 PM |
| (iii) Last date of receipt of bids: -    | 22.09.2023 Up to 10.30 A.M       |
| (iv) Date of bid opening: -              | 22.09.2023 at 11.30 A.M          |

The tender form will be issued to only those contractors who qualify the criteria after the scrutiny of application forms by the committee constituted for the purpose.

Sr. No.	Name of work	Estimated Cost	Earnest Money	Time	Cost of form
1.	C/O New Trauma Centre at IGMSC Shimla. (SH:- Providing auto phase corrector panel for CT scan machine therein.)	Rs.1,39,439/-	Rs.2800/-	One month	Rs.350/-
2.	Providing power supply for X-ray machine at Trauma Centre IGMSC Shimla.	Rs.1,23,768/-	Rs.2500/-	One month	Rs.350/-
3.	Providing wiring and safety devices in Type-II residential quarters (4 sets) at CHC Sangla in District Kinnaur (H.P.)	Rs.2,44,492/-	Rs.4900/-	Six months	Rs.350/-
4.	Providing wiring and safety devices in Type-III residential quarters (4 sets) at CHC Sangla in District Kinnaur (H.P.)	Rs.2,53,628/-	Rs.5100/-	Six months	Rs.350/-

**TERMS AND CONDITIONS:-**

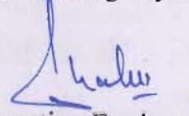
- The earnest money in the shape of National Saving certificate. Time deposit account in any of the post office in HP/FDR or any Bank duly pledged in favor of Executive Engineer, Electrical Division No II HPPWD Shimla-1 accompanied with the application for receipt of tender form along with cost of form.
- The contractor/firm should possess the following documents (photo copy to be self attested with application for obtaining the tenders documents.
  - Latest enlistment/renewal orders with application for electrical works.
  - GST Number issued by the Sale Tax Department.
  - PAN (Permanent Account Number) issued by the Income Tax Department and copy of EPF issued from competent authority.
- The Executive Engineer, Electrical Division No.II, HPPWD Shimla-1 reserves the right to reject any tender without assigning any reason(s)
- The Cess charges @ 1% will be deducted from the gross amount of work done of the contractor.
- The work will be completed by the contractor within the stipulated period.
- The tender shall be issued to only those contractor/firms who are eligible suitable and competent
- The tender forms shall be issued to eligible contractors depending upon their past performance and work experience which shall be duly evaluated by the technical evaluation committee.
- The contractor /firm having necessary documents and past adequate experience shall be preferred.
- The contractor who has failed to start/complete the work already allotted in his favor within stipulated period shall not be issued tender forms.



10. A contractor enlisted in a particular class be eligible to tender for his own class and one step below
11. Only two number tender forms will be issued to the eligible contractor.
12. If any kind of holiday to be happened, the tender shall be opened on the next working day at 11.30 a.m.
13. GST will be deducted as per rates fixed by the Government.

**CERTIFICATE:-**

It is to certify that tender for the above works are urgently required.

  
Executive Engineer,  
Electrical Division No.II,  
HPPWD, US Club, Shimla-1

**No.PW.ED.II.GA.Tender/2023-2024-**

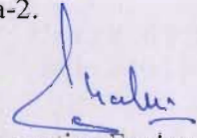
3693-3720

**Dated:-**

12/9/23

Copy forwarded to the following for information :-

1. The Deputy Commissioner Shimla.
2. The Chief Engineer (SZ), Nirman Bhawan, Nigam Vihar, HPPWD, Shimla-2.
3. The Superintending Engineer, 1st Electrical Circle, HPPWD, Shimla-9.
4. All the Assistant Engineers working under this Division.
5. All the intending contractors in HPPWD
6. Notice Board.

  
Executive Engineer,  
Electrical Division No.II,  
HPPWD, US Club, Shimla-1

## DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs.1,39,439/- only

Earnest Money:- Rs.2800/- only

Time:- One month

Name of work:- C/O New Trauma Centre at IGMC Shimla. (SH:- Providing auto phase corrector panel for CT scan machine therein.)

S.No.	Description of Items	Qty.	Unit	In Figures	Rate In words	Amount
1.00	Supply , installation , testing and commissioning of Three Phase Auto Phase corrector device fabricated in cubical type panel with approximate Size (H) 1200MM X (W)600mm x (D) 400MM, single door, Wall mounted, free standing single front, dust proof compartment made out of M.S. CRC Sheet 16G, duly painted with Siemens Grey Powder Coated Paint.as per specification. including Control Wiring with Copper Flexible Wire (size of control wire shall be 2.5 sq. mm copper flexible for C.T. Circuit & 1.0 sq. mm for Control Wiring) with thimbles printed sleeves, tie & belt etc.					
1.01	Technical Specifications and Material detail of Phase Corrector Panel are as follows:-					
1.02	OLMCOS 315A 4P Make:- L & T, Havells, ABB					
1.03	Indication Lamps LED Type RYB Make:- C & S.					
1.04	Control SP MCB 6A 10 KA Make:- L & T, Havells, ABB					
1.05	Phase Corrector Relay Make:- Minilec / L & T, Havells, ABB					
1.06	Auxiliary Relay 8 Pin with base Make:- PLA / Salzer					
1.07	On delay timer Make:- L & T, Havells	1.00	Job	139439.00	Rs. One Lakh Thirty Nine Thousand Four Hundred Thirty Nine Only	139439.00
	<b>Total:-</b>					<b>139439.00</b>

Draft Schedule of Quantity approved  
for Rs. 139439/- only (Rs. One Lakh, Thirty Nine  
Thousand, four hundred, & Thirty Nine only) only

Executive Engineer,  
Electrical Division No.-II,  
HPPWD (U.S. Club) Shimla

**DRAFT SCHEDULE OF QUANTITY**

Estimated Cost:- Rs.1,23,768/- only

Earnest Money:- Rs.2500/- only

Time:- One month

**Name of work:- Providing power supply for X-ray machine at Trauma Centre IGM Shimla.**

S.No.	Description of Items	Qty.	Unit	Rate		Amount
				In Figures	In words	
1.00	Providing & Laying of one number aluminium conductor, PVC insulated and PVC sheathed armoured/ XLPE power cable, 1.1 KV grade of following sizes on wall surface as required.					
1.01	Armoured cable 120sq. mm (3.5 core)	40.00	Meter	1212.00	Rs. One Thousand Two Hundred Twelve only	48480.00
2.00	Providing and fixing following rating and breaking capacity MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.					
2.01	250 Amp 4 pole 50 KA	1.00	Each	26636.00	Rs. Twenty Six Thousand Six Hundred Thirty Six only	26636.00
3.00	Supplying and fixing plug in box on existing bus bar alongwith MCCB 250 Amps required complete i/c making connections, earthing etc. as required.					
3.01	Plug in box 250 Amp.	1.00	Each	45016.00	Rs. Forty Five Thousand Sixteen only	45016.00
4.00	Providing and fixing SS Enclosure for MCCB Size I and Size II complete with connection as required.					
4.01	Size II	1.00	Each	3636.00	Rs. Three Thousand Six Hundred Thirty Six only	3636.00
<b>Total:-</b>						<b>123768.00</b>

*Draft Schedule of quantity approved**for Rs. 1,23,768/- only (Rs. one lakh, Twentythree thousand, seven hundred & sixty eight and six paise only)*

Executive Engineer,  
Electrical Division No.-II,  
H.P. GRID (U.S. Club) Shimla-1



## DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs.2,44,492/- only ✓  
 Earnest Money:- Rs.4900/- only ✓  
 Time:- Six months ✓

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Name of work:- Providing wiring and safety devices in Type-II residential quarters (4 sets) at CHC Sangla in District Kinnaur (H.P.)

S.No.	Description of Items	Qty.	Unit	Rate		Amount
				In Figures	In words	
1.00	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in PVC casing & capping with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.					
1.01	Group A.	64.00	Point	680.00	Rs. Six Hundred Eighty only	43520.00
2.00	Wiring for twin control light point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with 2-way, 5/6 amps. modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.					
2.01	Group A.	8.00	Point	745.00	Rs. Seven Hundred Forty Five only	5960.00

3.00	Providing and installation of following type of Ultra slim decorative LED Batten with extruded aluminium heat sink, with anti glare polycarbonate diffuser and energy efficient constant current, integral electronic driver, suitable for input voltage: 220-240 V, 50/60 Hz, complete with all accessories, including mounting clips & loop in loop out wire, connections, testing and commissioning etc. as required, with two year warranty. Make: Philips, Twinkle, GE or any other approved by Engineer-in-Charge.					
3.01	LED Batten Light 20 Watt.	20.00	Each	421.00	Rs. Four Hundred Twenty One only	8420.00
4.00	Providing and installation of following type of LED Lamp 9W B22 holder base with polycarbonate body and aluminium heat sink; suitable for input voltage: AC 220-240 V, 50/60Hz, including mounting in existing fixture, testing etc. as required complete in all respects. Make: Havells, Philips, Bajaj or any other approved by Engineer-in-Charge.					
4.01	LED Bulb 9Watt.	16.00	Each	123.00	Rs. One Hundred Twenty Three only	1968.00
5.00	Providing and installation of surface mounted, LED Bulk head Fitting IP65 protection, comprising of high brightness LEDs, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including making connections, testing and commissioning etc. as required. Make: Twinkle, Philips, GE or any other approved by Engineer-in-Charge.					

5.01	LED Bulk Head Fitting 6 Watt.	8.00	Each	698.00	Rs. Six Hundred Ninety Eight only	5584.00
6.00	Providing and installation of following type of surface/recess mounting round/square LED Downlight finish with drop down PC diffuser to deliver low glare illumination with optimized heat sink for efficient heat dissipation suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including making connections, testing and commissioning etc. as required with Two years Warranty. Make: Philips, Twinkle, GE or any other approved by Engineer-in-Charge.					
6.01	LED Downlight 6 Watt.	8.00	Each	527.00	Rs. Five Hundred Twenty Seven only	4216.00
6.02	LED Downlight 15 Watt.	4.00	Each	739.00	Rs. Seven Hundred Thirty Nine only	2956.00
7.00	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required					
7.01	Exhaust Fan, Light duty, (Domestic) 225 mm sweep	8.00	Each	1982.00	Rs. One Thousand Nine Hundred Eighty Two only	15856.00
8.00	Supplying and fixing bakelite batten/angle holder including connections etc. as required.	16.00	Each	66.00	Rs. Sixty Six only	1056.00
9.00	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required:-	4.00	Each	286.00	Rs. Two Hundred Eighty Six only	1144.00



10.00	Supplying and fixing following rating Piano-type switch /socket on the existing switch box / cover including connections etc. as required					
10.01	S.P. 5/6 Amps one way Modular switch.	28.00	Each	103.00	Rs. One Hundred Three only	2884.00
10.02	5 pin, 5/6 Amps Modular socket outlet.	28.00	Each	184.00	Rs. One Hundred Eighty Four only	5152.00
11.00	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required.					
12.00	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required.	16.00	Each	606.00	Rs. Six Hundred Six only	9696.00
13.00	Wiring for circuit / sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in PVC casing & capping along with 1 No.HRFRS/PVC insulated single core copper conductor cable of same size for earthing as required.	16.00	Each	780.00	Rs. Seven Hundred Eighty only	12480.00
13.01	2x1.5 Sq. mm.	48.00	Meter	126.00	Rs. One Hundred Twenty Six only	6048.00
13.02	2x4.0 Sq. mm.	64.00	Meter	197.00	Rs. One Hundred Ninety Seven only	12608.00
13.03	2x10 Sq. mm.	8.00	Meter	516.00	Rs. Five Hundred Sixteen only	4128.00

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14.00	Wiring for circuit/sub-main with 4x1.5 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in PVC casing & capping along with 2 No.1.5 Sq.mm.(4X1.5+2X1.5) HRFRLS/PVC insulated single core copper conductor cable for earthing as required.	16.00	Meter	184.00	Rs. One Hundred Eighty Four only	2944.00
15.00	Wiring for light plug with 2x1.5 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in PVC casing & capping along with 1 No.1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.	48.00	Meter	126.00	Rs. One Hundred Twenty Six only	6048.00
16.00	Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in PVC casing & capping along with 2 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required	48.00	Meter	348.00	Rs. Three Hundred Forty Eight only	16704.00
17.00	Providing, laying and fixing of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade on surface etc. of the required size					
17.01	Armoured cable 10 sq. mm (twin core)	72.00	R.Mtr.	237.00	Rs. Two Hundred Thirty Seven only	17064.00

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18.00	Earthing with G.I earth pipe 4.5 mtr. long and 40mm dia. including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. ( but without charcoal or coke and salt ) complete as required.	2.00	Set	5084.00	Rs. Five Thousand Eighty Four only	10168.00
19.00	Extra for using salt and charcoal for pipe earth electrode complete as required.	2.00	Set	1059.00	Rs. One Thousand Fifty Nine only	2118.00
20.00	Providing and fixing 6 SWG (4 mm dia.) G.I. wire on surface or in recess for loop earthing as required.	30.00	Meter	59.00	Rs. Fifty Nine only	1770.00
21.00	Providing and fixing 6 SWG (4 mm dia.) G.I. wire on surface or in recess for loop earthing along with existing surface/recessed conduit/sub-main wiring/cable as required.	72.00	Meter	24.00	Rs. Twenty Four only	1728.00
22.00	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:-					
22.01	Single pole 5/6 Amp. Cat-A.	12.00	Each	235.00	Rs. Two Hundred Thirty Five only	2820.00
22.02	Single pole 15/16 Amp. Cat-A.	16.00	Each	235.00	Rs. Two Hundred Thirty Five only	3760.00
23.00	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:-					

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23.01	Double pole. 63 Amp. Cat-A.	4.00	Each	1147.00	Rs. One Thousand One Hundred Forty Seven only	4588.00
24.00	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
24.01	63 Amps. Cat-A.	4.00	Each	3333.00	Rs. Three Thousand Three Hundred Thirty Three only	13332.00
25.00	Providing and installation of Over/Under Voltage Protection Device for Protection against sudden voltage surges & sudden voltage drop that trips the attached circuit breaker during over/under voltage fault so that the equipments are protected from over/under voltage complete including making connections, testing and commissioning etc. as required, Make: Havells. L&T, Schneider or any other approved by Engineer-in-Charge.					
25.01	Single Phase Over/under Voltage Protection	4.00	Each	1469.00	Rs. One Thousand Four Hundred Sixty Nine only	5876.00
26.00	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:-					
26.01	Double door-12 way	4.00	Each	2298.00	Rs. Two Thousand Two Hundred Ninety Eight only	9192.00





27.00	Providing and fixing of following type Kit-kat Rewireable (Porcelain Fuse carrier & Base) fuse with Extension strips including HRC Fuse suitable for input voltage 220/415 V, 50/60Hz, complete in all respect as required:- Make: L&T, Havells or any other approved by Engineer-in-Charge.					
27.01	Kit-Kat Fuse 63 Amp.	4.00	Each	548.00	Rs. Five Hundred Forty Eight only	2192.00
28.00	Supplying & fixing wooden boxes of following sizes (nominal size) on surface or in recess suitable for fixing phenolic laminated sheet cover in front including painting etc. as required:-					
28.01	178mm.x102mm.x60mm. Deep	4.00	Each	128.00	Rs. One Hundred Twenty Eight only	512.00
	<b>Total:-</b>					<b>244492.00</b>

*Drift Schedule of Quantity approved  
for Rs. 2,44,492/- only (Rs. Two lakh,  
forty four thousand, four hundred,  
& Ninety Two only.)*

*Radul*

Executive Engineer,

Executive Engineer No-1

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**DRAFT SCHEDULE OF QUANTITY**

Estimated Cost:- Rs.2,53,628/- only

Earnest Money:- Rs.5100/- only

Time:- Six months

**Name of work:- Providing wiring and safety devices in Type-III residential quarters (4 sets) at CHC Sangla in District Kinnaur (H.P.)**

S.No.	Description of Items	Qty.	Unit	Rate		Amount
				In Figures	In words	
1.00	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in PVC casing & capping with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.					
1.01	Group A.	68.00	Point	682.00	Rs. Six Hundred Eighty Two only	46376.00
2.00	Wiring for twin control light point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with 2-way, 5/6 amps. modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.					
2.01	Group A.	8.00	Point	746.00	Rs. Seven Hundred Forty Six only	5968.00



3.00	Providing and installation of following type of Ultra slim decorative LED Batten with extruded aluminium heat sink, with anti glare polycarbonate diffuser and energy efficient constant current, integral electronic driver, suitable for input voltage: 220-240 V, 50/60 Hz, complete with all accessories, including mounting clips & loop in loop out wire, connections, testing and commissioning etc. as required, with two year warranty. Make: Philips, Twinkle, GE or any other approved by Engineer-in-Charge.					
3.01	LED Batten Light 20 Watt.	24.00	Each	421.00	Rs. Four Hundred Twenty One only	10104.00
4.00	Providing and installation of following type of LED Lamp 9W B22 holder base with polycarbonate body and aluminium heat sink; suitable for input voltage: AC 220-240 V, 50/60Hz, including mounting in existing fixture, testing etc. as required complete in all respects. Make: Havells, Philips, Bajaj or any other approved by Engineer-in-Charge.					
4.01	LED Bulb 9Watt.	16.00	Each	123.00	Rs. One Hundred Twenty Three only	1968.00
5.00	Providing and installation of surface mounted, LED Bulk head Fitting IP65 protection, comprising of high brightness LEDs, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including making connections, testing and commissioning etc. as required. Make: Twinkle, Philips, GE or any other approved by Engineer-in-Charge.					

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5.01	LED Bulk Head Fitting 6 Watt.	8.00	Each	698.00	Rs. Six Hundred Ninety Eight only	5584.00
6.00	Providing and installation of following type of surface/recess mounting round/square LED Downlight finish with drop down PC diffuser to deliver low glare illumination with optimized heat sink for efficient heat dissipation suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including making connections, testing and commissioning etc. as required with Two years Warranty. Make: Philips, Twinkle, GE or any other approved by Engineer-in-Charge.					
6.01	LED Downlight 6 Watt.	8.00	Each	527.00	Rs. Five Hundred Twenty Seven only	4216.00
6.02	LED Downlight 15 Watt.	4.00	Each	739.00	Rs. Seven Hundred Thirty Nine only	2956.00
7.00	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required					
7.01	Exhaust Fan, Light duty, (Domestic) 225 mm sweep	8.00	Each	1982.00	Rs. One Thousand Nine Hundred Eighty Two only	15856.00
8.00	Supplying and fixing bakelite batten/angle holder including connections etc. as required.	16.00	Each	66.00	Rs. Sixty Six only	1056.00
9.00	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required:-	4.00	Each	286.00	Rs. Two Hundred Eighty Six only	1144.00





10.00	Supplying and fixing following rating Piano-type switch /socket on the existing switch box / cover including connections etc. as required					
10.01	S.P. 5/6 Amps one way Modular switch.	32.00	Each	103.00	Rs. One Hundred Three only	3296.00
10.02	5 pin, 5/6 Amps Modular socket outlet.	32.00	Each	184.00	Rs. One Hundred Eighty Four only	5888.00
11.00	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required.	16.00	Each	606.00	Rs. Six Hundred Six only	9696.00
12.00	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required.	16.00	Each	780.00	Rs. Seven Hundred Eighty only	12480.00
13.00	Wiring for circuit / sub-main with following size PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in PVC casing & capping along with 1 No.HRRF/L/S/PVC insulated single core copper conductor cable of same size for earthing as required.					
13.01	2x1.5 Sq. mm.	60.00	Meter	126.00	Rs. One Hundred Twenty Six only	7560.00
13.02	2x4.0 Sq. mm.	64.00	Meter	197.00	Rs. One Hundred Ninety Seven only	12608.00
13.03	2x10 Sq. mm.	8.00	Meter	516.00	Rs. Five Hundred Sixteen only	4128.00

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14.00	Wiring for circuit/sub-main with 4x1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in PVC casing & capping along with 2 No.1.5 Sq.mm.(4X1.5+2X1.5) HRRF/S/PVC insulated single core copper conductor cable for earthing as required.	20.00	Meter	184.00	Rs. One Hundred Eighty Four only	3680.00
15.00	Wiring for light plug with 2x1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in PVC casing & capping along with 1 No.1.5 Sq.mm. HRRF/S/PVC insulated single core copper conductor cable for earthing as required.	60.00	Meter	126.00	Rs. One Hundred Twenty Six only	7560.00
16.00	Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in PVC casing & capping along with 2 No.4 Sq.mm. HRRF/S/PVC insulated single core copper conductor cable for earthing as required	48.00	Meter	348.00	Rs. Three Hundred Forty Eight only	16704.00
17.00	Providing, laying and fixing of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade on surface etc. of the required size					
17.01	Armoured cable 10 sq. mm (twin core)	72.00	R.Mtr.	237.00	Rs. Two Hundred Thirty Seven only	17064.00

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18.00	Earthing with G.I earth pipe 4.5 mtr. long and 40mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. ( but without charcoal or coke and salt ) complete as required.	2.00	Set	5084.00	Rs. Five Thousand Eighty Four only	10168.00
19.00	Extra for using salt and charcoal for pipe earth electrode complete as required.	2.00	Set	1059.00	Rs. One Thousand Fifty Nine only	2118.00
20.00	Providing and fixing 6 SWG (4 mm dia.) G.I. wire on surface or in recess for loop earthing as required.	30.00	Meter	59.00	Rs. Fifty Nine only	1770.00
21.00	Providing and fixing 6 SWG (4 mm dia.) G.I. wire on surface or in recess for loop earthing along with existing surface/recessed conduit/sub-main wiring/cable as required.	72.00	Meter	24.00	Rs. Twenty Four only	1728.00
22.00	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:-					
22.01	Single pole 5/6 Amp. Cat-A.	12.00	Each	235.00	Rs. Two Hundred Thirty Five only	2820.00
22.02	Single pole 15/16 Amp. Cat-A.	16.00	Each	235.00	Rs. Two Hundred Thirty Five only	3760.00
23.00	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:-					

23.01	Double pole. 63 Amp. Cat-A.	4.00	Each	1147.00	Rs. One Thousand One Hundred Forty Seven only	4588.00
24.00	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
24.01	63 Amps. Cat-A.	4.00	Each	3333.00	Rs. Three Thousand Three Hundred Thirty Three only	13332.00
25.00	Providing and installation of Over/Under Voltage Protection Device for Protection against sudden voltage surges & sudden voltage drop that trips the attached circuit breaker during over/under voltage fault so that the equipments are protected from over/under voltage complete including making connections, testing and commissioning etc. as required, Make: Havells. L&T, Schneider or any other approved by Engineer-in-Charge.					
25.01	Single Phase Over/under Voltage Protection	4.00	Each	1469.00	Rs. One Thousand Four Hundred Sixty Nine only	5876.00
26.00	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:-					
26.01	Double door-12 way	4.00	Each	2298.00	Rs. Two Thousand Two Hundred Ninety Eight only	9192.00



27.00	Providing and fixing of following type Kit-kat Rewireable (Porcelain Fuse carrier & Base) fuse with Extension strips including HRC Fuse suitable for input voltage 220/415 V, 50/60Hz, complete in all respect as required:- Make: L&T, Havells or any other approved by Engineer-in-Charge.					
27.01	Kit-Kat Fuse 63 Amp.	4.00	Each	468.00	Rs. Four Hundred Sixty Eight only	1872.00
28.00	Supplying & fixing wooden boxes of following sizes (nominal size) on surface or in recess suitable for fixing phenolic laminated sheet cover in front including painting etc. as required:-					
28.01	178mm.x102mm.x60mm. Deep	4.00	Each	128.00	Rs. One Hundred Twenty Eight only	512.00
	<b>Total:-</b>					<b>253628.00</b>

*Draft schedule of quantity approved  
for Rs. 253,628/- only (Rs. Two Lakh, fifty  
Three Thousand, six hundred & twenty  
eight only.)*

*Executive Engineer  
Electrical Division No.-II,  
APJ PWD (U.S. Club) Shimla-1*