



HIMACHAL PRADESH PUBLIC WORKS DEPARTMENT
Office of the Executive Engineer, Electrical Division No.1, HPPWD, Shimla-9
Web. www.hppwd.gov.in E-mail: ee-eled1-hp@nic.in Phone/Fax No.0177-2621398

No. PW-ED-I-AB – Tender /2025-26 **524-26**
To

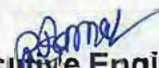
Dated:- **2/05/2025**

✓ The Executive Engineer (IT)
HPPWD, Nirman Bhawan,
Nigam Vihar, Shimla-171002.

Subject:- Publication of Tender Notice.

Enclosed please find herewith the tender notice of works as given in the Notice Inviting Tender No. PW-ED-II-GA. Tender/2024-25-6203-10 dated 29-01-2025 for uploading on department website as per Notification vide Secy. (PW) to Govt. of Himachal Pradesh letter No. PBW (B) A (3) 1/2024 dated 03-01-2024 as the works mentioned in the tender Notice are urgent in nature and public interest.

DA:- As above


Executive Engineer,
Electrical Division No-1,
HP. PWD, Kasumpti, Shimla-9.

Copy to the Superintending Engineer, 1st Electrical Circle, HP. PWD, Kasumpti, Shimla-9 for information please.

Copy to the Computer cell O/O the Executive Engineer, (IT Cell), Nirman Bhawan, Nigam Vihar Shimla-2 for information and for uploading the tenders on department website as per notification given above please.


Executive Engineer,
Electrical Division No-1,
HP. PWD, Kasumpti, Shimla-9.

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

Sealed percentage rate tenders are hereby invited by the Executive Engineer Electrical Division No. I HPPWD Shimla-9 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: | 19.05.2025 Up to 1.00 P.M |
| (ii) Date of sale of tenders | 21.05.2025 Up to 2 PM to 5.00 PM |
| (iii) Last date of receipt of bids: - | 19.05.2025 Up to 10.30 A.M |
| (iv) Date of bid opening: - | 21.05.2025 at 11.00 A.M |

S. No.	Name of work	Estimated cost	Earnest money	Time	Cost of Tender	Eligible class of registration
1	Providing Special Repair to E.I Block B type III set No. 15,9, Block A set No. 8 Block A type IV set No. 1 at Raj Bhawan Shimla-2.	Rs. 99,775/-	2000/-	Two Months	350/-	"D"
2	Providing Special repair to E.I type V set No. 17, Type VI set No. 63, type III set No. 74,18 Pari Mehal, type IV set No. 25,58, type III set No. 150, type I set NO. 16 at Kasumpti.	Rs. 95,953/-	1900/-	Two Months	350/-	"D"
3	Providing Special repair to E.I Type VI set No.2, Type V set No. 10,15,19,12A,18 Type IV set No.39,58,20,25 Type III set No. 143,125,60 at Kasumpti Shimla-9.	Rs. 99,440/-	2000/-	Two Months	350/-	"D"
4	Providing Special repair to E.I in Kothi No. 4,2 G.F, 2 F,F Cottage No. 3,10,1 Type IV set No. 6,4,27,17, type III set No. 14 at Brokhurst Chotta Shimla-2.	Rs. 97,667/-	1900/-	Two Months	350/-	"D"
5	Providing Special repair to E.I Type VI set No.12A, 17, Type III set No. 4.9 type II set No. 10 Ground, 19,9 type I set No. 13 Melhi Type VI set No. 7, type III set No. 70, type II set No. 16,13 Kasumpti Shimla-9	Rs. 78,122/-	1600/-	Two Months	350/-	"D"
6	Providing Special repair to E.I type V set No. 14, Type VI set No. 18,10,7 type III set No. 22,7 Block 4 set No. 30, servant Q No. 5 Mehli.	Rs. 99,664/-	2000/-	Two Months	350/-	"D"
7	Providing, special repair/ additional Alternation to E.I. in Club cottage at US Club Shimla.	Rs. 99,455/-	2000/-	Two Months	350/-	"D"
8	Providing Special repair to E.I type VI set No. 7 Parimehal at Kasumpti Shimla-9.	Rs. 97224/-	1850	Two Months	350/-	"D"

9	Providing & Replacement of unserviceable Electrical Appliances (Pillar Heater, room Heater D/Rod) for the year 2024-2025 in the residences of Hon'ble MLA's at Vidhan Sabha and Metropole Shimla-4.	Rs. 99,280/-	2000/-	Two Months	350/-	specialized
10	Providing Special repair/Additional Alternation to E.I in various (Block J-III/106, Block M-II/94, Block K-III/114, Block-32-II/132, Block-E-I/39 and A-III/2 type-IV etc.) Type I,II,III,IV Nabha at Shimla-4.	Rs. 67,123/-	1350/-	Two Months	350/-	"D"
11	Providing Special repair to E.I Block ABC Room No. 306,107 Block-D Room no. 321,325,507,514,318 Milkef Ground floor Nirman Bhawan Nigam Vidhar Shimla-2.	Rs. 99,393/-	2000/-	Two Months	350/-	"D"
12	Providing Special repair /Additional Alternation in various Branches, Room No. 101 to 111 Admin Block at HP High Court Shimla.	Rs. 99,156/-	2000/-	Two Months	350/-	"D"
13	Providing special repair to E.I in Pine Grove Lokyukta, Block no,8set no-2, Block 9 set no-12, 3 set no-3. Driver Block set no-5,6,4. L I G Block Type I set no-3 Transit set no-12,3,5,1 at Rajbhawan under ESD-II Shimla-2.	Rs. 99,621/-	2000/-	Three Months	350/-	"D"
14	Providing Special repair to E.I Block A type IV set No. 2,4,3,5, Block-B type II set No. 12 at Raj Bhawan Shimla-2.	Rs.99,799/-	2000/-	Two Months	350/-	"D"
15	Providing Special repair to E.I type III set No. 12,21 type I set No. 212 at Kasumpti Shimla-9.	Rs. 97,775/-	1950/-	Two Months	350/-	"D"
16	Providing Special repair to E.I in Block No. I set No. 3, Block K set No. 5 Block I set No. 6, Block I set No. 1 Knowswood, Block 9 set No. 2, Block 5 set No. 1, Block 5 set No. 3, Block 9 set No. 8 Bans court, Kristan Hall, NMH-7 at Raj bhawan Shimla-2.	Rs. 99,511/-	2000/-	Two Months	350/-	"D"
17	Providing Special repair to E.I in Room Chief Secy. CM Office, gate No.2, 3rd floor Ladies Bathe, Photostat, 108,207,102,113, 205,229,112,225, 313C,335, 223,205,219 Ground floor Ladies Bath , Room No.9 G.F, Reception Guard room at Ellerslie Shimla-2.	Rs.99,964/-	2000/-	Two Months	350/-	"D"

18	Providing Special repair to E.I type VI set No. 1,2,15 type V set No. 17,10,22 type IV set No. 40,11,17,18,31,48 type III set No. 113,76,44,70,124,125 type II set No. 2 Transit at Kasumpti Shimla-2.	Rs. 96,709/-	2000/-	Two Months	350/-	"D"
19	Providing special repair to E.I type III set No. 1,11,126,17,129,150,8, Transit, 105 type II set No. 19,210, type I set No. 3, 208,217,215,11,2 Servant Q No. 5 at Kasumpti Shimla-9.	Rs.96,106/-	1950/-	Two Months	350/-	"D"
20	Providing Special repair to E.I Type IV set No. 29,49,21 type III set No. 19,148, 140, 20,55,73, 107,135,46,158,42,43,162 type II set No. 14,22 at Kasumpti Shimla-9.	Rs.99,433/-	2000/-	Two Months	350/-	"D"
21	C/O Car parking at Bangala colony Tehsil & Distt. Shimla HP (SH:- Providing Balance works of E.I therein).	Rs. 98,612/-	2000/-	Two Months	350/-	"D"
22	Replacement of Batteries of 6 KVA & 3 KVA UPS installed in speaker Office and Assembly Hall at Vidhan Sabha Shimla-4.	Rs98,136/-	2000/-	Two Months	350/-	"D"
23	Providing Special repair to E.I Block D Room No. 319,515,514,512,513,322,142, Gents & Ladies Toilet 4 th , 5 th ,6 th Floor PWD Office, 5 th Floor Nodal Officer room, technical Section, Sport room, Conference room, Block ABC ACR Cell Room No. 503,502 Block ABC Room No.305,109,105,16,9,12,11,G.F at Nirman Bhawan Nigam Vihar Shimal-2.	Rs. 96,913/-	1950/-	Two Months	350/-	"D"
24	Providing Special repair to E.I Room No. Block ABC, 104,206,108 Ground Floor room No. 8,13 1, Basement room No. 2,7 Old Conference Hall, Third Floor corridor at Nirman Bhawan Nigam Vidhar Shimla-2.	Rs.99,625/-	2000/-	Two Months	350/-	"D"
25	Providing Special repair to E.I in Cabinet Hall & replacement of defective switchgear in Ellerisle Building at HP Sectt. Shimla-2.	Rs. 97,953/-	1950/-	Two Months	350/-	"D"
26	Providing Special repair to E.I in Yats place G.F set No. 1,2 ENC out house, tuoirny out House set No.3 type III set No. 6,12 RajBhawan, Type III Store line set No.5,6 Type II set No.3 Barns court at Raj Bhawan Shimla-2.	Rs. 99,412/-	2000/-	Two Months	350/-	"D"
27	Providing Special repair to E.I in LIG Block Type I set No. 3, LIG transit set No. 12,15 Jakhu, Servant Q No. 32, Block No. 1 set No. 1,2, Block No. 2 set No. 25,26, HPPWD sub Division -2 Benmore, mainfield lodge,	99,621/-	2000/-	Two Months	350/-	"D"

	Forest lodge, Police Guard room, Yats Cottage, ground floor set No. 1 yats Place at Rajbhawan Shimla-2					
28	Providing Charging station Near gate No. 3 at Vidhan Sabha Complex Shimla-4.	Rs. 86,031/-	1750/-	Two Months	350/-	"D"
29	Providing Special repair to E.I in Creche, Admin Block Ground and First Floor, Police Gumti, Advocate General Building at HP High Court Shimla-2.	Rs. 92,496/-	1850/-	Two Months	350/-	"D"

It is to certify those tenders are being called on emergent nature in exigency of Public interest.

TERMS AND CONDITIONS:-

1. 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, Elect Division No I HPPWD Shimla-9 accompanied with the application for receipt of tender form along with cost of form.
2. The contractor/firm should possess the following documents (photo copy to be self attested with application for obtaining the tenders documents.
 - a) Latest enlistment/renewal orders with application for electrical works.
 - b) GST Number issued by the Sale Tax Department.
 - c) PAN (Permanent Account Number) issued by the Income Tax Department and copy of EPF issued from competent authority.
3. The Executive Engineer, Electrical Division No.I, HPPWD Shimla-9 reserves the right to reject any tender without assigning any reason(s)
4. The Cess charges @ 1% will be deducted from the gross amount of work done of the contractor.
5. The work will be completed by the contractor within the stipulated period.
6. The tender shall be issued to only those contractor/firms who are eligible suitable and competent.
7. 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.
8. The contractor /firm having necessary documents and past adequate experience shall be preferred.
9. 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 11.00 AM.
13. GST will be deducted as per rates fixed by the Government.


Executive Engineer,
Electrical Division No. I,
HPPWD, Kasumpti Shimla-9.

No.PW.ED.I.AB.Tender/2025-2026-

Dated:-

Copy forwarded to the following for information :-

1. Deputy Commissioner Shimla.
2. 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. I,
HPPWD, Kasumpti Shimla-9.

SCHEDULE OF QUANTITY

1
Estimated Cost Rs. :- 99775.00
Earnest Money Rs. :- 1950.00
Time:- Two Months

Name of work:- Providing special repair to E.I in Block B Type III set no-15,9, Block A set no-8, Block A Type IV set no-1 at Rajbhawan under ESD-II Shimla-2.						
Sl. No.	Items of work	Quantity	Rate		Amount.	
			In figures	In words		
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq. mm. FRLS PVC insulated copper conductor single core cable etc. as required.					
1.1	Group A	20.00 Point	852.00	Rupees Eight Hundred Fifty Two Only	17040.00	
1.2	Group B	1.00 Point	1022.00	Rupees One Thousand Twenty Two Only	1022.00	
2	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.	1.00 each	305.00	Rupees Three Hundred Five Only	305.00	
3	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	2.00 Each	431.00	Rupees Four Hundred Thirty One Only	862.00	
4	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	6.00 Each	544.00	Rupees Five Hundred Forty Four Only	3264.00	
5	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.	1.00 each	441.00	Rupees Four Hundred Forty One Only	441.00	
6	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 3 pin 5/6 A modular socket outlet and 2 nos. 5/6 A modular switch, connections etc. as required. (For light plugs to be used in non residential buildings).	4.00 Each	639.00	Rupees Six Hundred Thirty Nine Only	2556.00	
7	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.					
7.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	21.00 Metre	209.00	Rupees Two Hundred Nine Only	4389.00	
7.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	39.00 Metre	315.00	Rupees Three Hundred Fifteen Only	12285.00	
7.3	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	17.00 Metre	523.00	Rupees Five Hundred Twenty Three Only	8891.00	
7.4	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	2.00 Metre	558.00	Rupees Five Hundred Fifty Eight Only	1116.00	
8	Providing and installation of following type of LED Batten with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours, THD<15% in white finish and seprated energy efficient constant current, non-integral, electronic driver;relevant LM 79/80 compliance fromUN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make					
8.1	LED Batten Light 10W	3.00 Each	541.00	Rupees Five Hundred Forty One Only	1623.00	
8.2	LED Batten Light 20W	13.00 Each	631.00	Rupees Six Hundred Thirty One Only	8203.00	
9	Providing and installation of following type of Surface mounting square type LED Downlight with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 85lm/Watt with minimum 25000 burning hours, THD<15% in white finish and seprated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make					
9.1	Square LED Down Light 18W Surface	2.00 each	1811.00	Rupees One Thousand Eight Hundred Eleven Only	3622.00	
10	Providing and installation of following type of LED Bulk Head with PDC/GRCA housing (aluminium extrusion), anti glare polycarbonate diffuser,surge protection 2 KV luminaire efficacy > 85lm/Watt with minimum 50000 burning hours, THD <15% in white finish industrial grade IP 65 rated and seprated energy efficient constant current, non-integral, electronic driver;relevant LM 79/80 compliance fromUN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make					
10.1	LED Bulk Head Light 10W	4.00 Each	1126.00	Rupees One Thousand One Hundred Twenty Six Only	4504.00	

11	Providing and installation exhaust fan of following sizes in the existing opening. Double ball bearing type metal frame including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: of Approved Make Domestic type.						
11.1	Exhaust Fan, Light duty, (Domestic) 225/230 mm sweep	3.00	Each	2156.00	Rupees Two Thousand One Hundred Fifty Six Only	5468.00	
12	Providing and installation ventilating 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: of Approved Make						
12.1	Ventilation Fan, 200 mm sweep	2.00	Each	2036.00	Rupees Two Thousand Thirty Six Only	4072.00	
13	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connection etc as required.	9.00	Each	69.00	Rupees Sixty Nine Only	621.00	
14	Supplying and fixing following plano type switch/ socket on the existing switch box/ cover including connections etc. as required.						
14.1	5/6 amps switch	33.00	each	41.00	Rupees Forty One Only	1353.00	
14.2	3 pin 5/6 A socket outlet	14.00	each	59.00	Rupees Fifty Nine Only	826.00	
14.3	15/16 A switch	8.00	each	94.00	Rupees Ninety Four Only	752.00	
14.4	15 pin 15/16 A socket outlet	8.00	each	110.00	Rupees One Hundred Ten Only	880.00	
15	Supplying and fixing of fancy wall bracket suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, lamp holder, but excluding lamp including making connections, testing etc. as required: of Approved Make						
15.1	Wall light fixture Polycarbonate body, suitable for 9 W retrofit LED lamp B22 base.	5.00	Each	900.00	Rupees Nine Hundred Only	4500.00	
16	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with lined copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/isolator)						
16.1	16 way, Double door	1.00	Each	3164.00	Rupees Three Thousand One Hundred Sixty Four Only	3164.00	
17	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
17.1	63 A DP	1.00	Each	1479.00	Rupees One Thousand Four Hundred Seventy Nine Only	1479.00	
18	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
18.1	63 A	1.00	Each	2812.00	Rupees Two Thousand Eight Hundred Twelve Only	2812.00	
19	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, 'C' curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
19.1	Single pole	8.00	Each	241.00	Rupees Two Hundred Forty One Only	1928.00	
20	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	2.00	Each	91.00	Rupees Ninety One Only	182.00	
21	Providing and installation of following type of Decorative LED bulb ; suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clips & loop in loop out wire, connections, testing and commissioning etc. as required. Make: Philips, GE, Bajaj, Jaguar, or any other approved by Engineer-in-Charge.						
21.1	LED Bulb 9 Watt	5.00	each	123.00	Rupees One Hundred Twenty Three Only	615.00	
	Conditions:-				Total	99775.00	
i	Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 1000/- Only.						
ii	It is certify that the tender is being called on emergent signature in exigency of Public interest.						
i	Quoted rates in Figures						
ii	Quoted rates in words						

i Quoted rates in Figures
ii Quoted rates in words


Executive Engineer,
Electrical Division No.1.
H.P. PWD, Kasumpti, Shimla-9.

SCHEDULE OF QUANTITY

2

Estimated Cost Rs. :- 95953.00
Earnest Money Rs. :- 1900.00
Time:- Two Months

Name of work:- Providing Special repair to E.I type V set No. 17, Type VI set No. 63, type III set No. 74,18 Pari Mehal, type IV set No. 25,58, type III set No. 150, type I set NO. 16 at Kasumpti.

Sl. No.	Items of work	Quantity	Rate		Amount.
			In figures	In words	
1.00	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in PVC casing & capping, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.				
1.10	Group B	4.00	Point	Rupees Eight Hundred Forty Seven Only	3388.00
1.20	Group A	4.00	Point	Rupees Seven Hundred Forty Six Only	2984.00
2.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in PVC casing & capping as required				
2.10	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	41.00	mtrs	Rupees One Hundred Eighty One Only	7421.00
2.20	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	24.00	mtrs	Rupees Two Hundred Eighty Seven Only	6888.00
3.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
3.10	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	5.00	mtrs	Rupees Two Hundred Nine Only	1045.00
4.00	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.	5.00	each	Rupees Three Hundred Five Only	1525.00
5.00	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.	5.00	each	Rupees Four Hundred Forty One Only	2205.00
6.00	Providing and installation of following type of LED Batten with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours, THD<15% in white finish and separated energy efficient constant current, non-Integral, electronic driver;relevant LM 79/80 compliance fromUNNABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make				
6.10	LED Batten Light 10W	2.00	each	Rupees Five Hundred Forty Seven Only	1094.00
6.20	LED Batten Light 20W	15.00	each	Rupees Six Hundred Thirty One Only	9465.00

7.00	Providing and installation of following type of Surface mounting square type LED Downlight with polycarbonate housing, anti glare polycarbonate diffuser, surge protection 2.5 KV luminaire efficacy > 85lm/Watt with minimum 25000 burning hours, THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make	7.00	each	1887.00	Rupees One Thousand Eight Hundred Eighty Seven Only	13209.00
7.10	Square LED Down Light 24W Surface					
8.00	Providing and installation exhaust fan of following sizes in the existing opening, Double ball bearing type metal frame including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: of Approved Make Domestic type.					
8.10	Exhaust Fan, Light duty, (Domestic) 225/230 mm sweep	4.00	each	2156.00	Rupees Two Thousand One Hundred Fifty Six Only	8624.00
9.00	Supplying and fixing of fancy wall bracket suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, lamp holder, but excluding lamp including making connections, testing etc. as required: of Approved Make					
9.10	Wall light fixture Polycarbonate body, suitable for 9 W retrofit LED lamp B22 base.	5.00	each	900.00	Rupees Nine Hundred Only	4500.00
10.00	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
10.10	Single pole	10.00	each	241.00	Rupees Two Hundred Forty One Only	2410.00
11.00	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.					
11.10	5/6 amps switch	48.00	each	41.00	Rupees Forty One Only	1968.00
11.20	5/6 amps switch Two ways	2.00	each	54.00	Rupees Fifty Four Only	108.00
11.30	3 pin 5/6 A socket outlet	20.00	each	59.00	Rupees Fifty Nine Only	1180.00
11.40	Bell push	1.00	each	77.00	Rupees Seventy Seven Only	77.00
11.50	15/16 A switch	10.00	each	94.00	Rupees Ninety Four Only	940.00
11.60	6 pin 15/16 A socket outlet	10.00	each	110.00	Rupees One Hundred Ten Only	1100.00
12.00	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	1.00	each	91.00	Rupees Ninety One Only	91.00
13.00	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes with 8 bar pressure rating Five star BEE rating and safety valve installation by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:-					
13.10	6 Liter capacity water heater (Cat-A)	1.00	Each	10433.00	Rupees Ten Thousand Four Hundred Thirty Three Only	10433.00
13.20	25 Liter capacity water heater (Cat-A)	1.00	Each	14683.00	Rupees Fourteen Thousand Six Hundred Eighty Three Only	14683.00

14.00	Providing and installation of following type of Decorative LED bulb : suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clips & loop in loop out wire, connections, testing and commissioning etc. as required. Make: Philips, Syska, GE, Bajaj, C&S, Jaguar, or any other approved by Engineer-in-Charge.	5.00	Each	123.00	Rupees One Hundred Twenty Three Only	615.00
14.10	LED Bulb 9 Watt				Total	95953.00
1.01	Conditions:-					
1.02	Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs.700/- Only.					
1.03	It is to certify that the tender is being called on emergent nature in exigency of Public interest					
i	Quoted rates in Figures					
ii	Quoted rates in words					


 Executive Engineer,
 Electrical Division No.I.
 HP/PWD. Kasumpti, Shimla-9.

SCHEDULE OF QUANTITY

3

Estimated Cost Rs. :- 99440.00
Earnest Money Rs. :- 2000.00
Time:- Two Months

Name of work:-Providing Special repair to E.I Type VI set No.2, Type V set No. 10,15,19,12A,18 Type IV set No.39,58,20,25 Type III set No. 143,125,60 at Kasumpti Shimla-9.

Sl. No.	Items of work	Quantity	Rate		Amount.
			In figures	In words	
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in PVC casing & capping, with plano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.				
1.2	Group B	1.00	Point	Rupees Eight Hundred Forty Seven Only	847.00
2	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface Casing Capping, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
2.1	Group B	2.00	Point	Rupees Eight Hundred Seventy Only	1740.00
3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in PVC casing & capping as required				
3.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	17.00	mtrs	Rupees One Hundred Eighty One Only	3077.00
3.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	13.00	mtrs	Rupees Two Hundred Eighty Seven Only	3731.00
4	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
4.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	8.00	Metre	Rupees Sixty Six Only	528.00
4.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	15.00	Metre	Rupees One Hundred Forty Four Only	2160.00
5	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	8.00	Each	Rupees Four Hundred Thirty One Only	3448.00
6	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A plano type switch, connections, painting etc. as required.	2.00	Each	Rupees Three Hundred Five Only	610.00
7	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A plano type switch, connections, painting etc. as required.	2.00	each	Rupees Four Hundred Forty One Only	882.00
8	Providing and installation of following type of LED batten with aluminium housing, anti glare polycarbonate diffuser and energy efficient constant current, integral electronic driver; suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clamps, connections, testing etc. as required: of Approved Make				

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8.1	LED Batten Light 10W	1.00	each	547.00	Rupees Five Hundred Forty Seven Only	547.00
8.2	LED Batten Light 20W	23.00	each	631.00	Rupees Six Hundred Thirty One Only	14513.00
9	Providing and installation of following type of surface mounting square/round type LED panel Light with aluminium die cast housing in white finish with anti glare polycarbonate diffuser and separated energy efficient constant current, non-integral, electronic driver, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make				Rupees NIL Only	0.00
9.1	Square LED Panel Light 10/12W Surface	14.00	each	1659.00	Rupees One Thousand Six Hundred Fifty Nine Only	23226.00
9.2	Square LED Panel Light 18/20W Surface	1.00	each	1811.00	Rupees One Thousand Eight Hundred Eleven Only	1811.00
10	Providing and installation 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: of Approved Make					
10.1	Exhaust Fan, Light duty, (Domestic) 225 mm sweep	1.00	each	2156.00	Rupees Two Thousand One Hundred Fifty Six Only	2156.00
10.2	Exhaust Fan, Light duty, (Domestic) 300 mm sweep	1.00	each	2495.00	Rupees Two Thousand Four Hundred Ninety Five Only	2495.00
11	Providing and installation ventilating 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: of Approved Make					
11.1	Ventilating Fan 200 mm sweep	2.00	each	2036.00	Rupees Two Thousand Thirty Six Only	4072.00
11.2	Supplying and fixing PVC batten/ angle holder including connections etc. as required.	1.00	each	89.00	Rupees Eighty Nine Only	89.00
12	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.					
12.1	5/6 amps switch	3.00	each	41.00	Rupees Forty One Only	123.00
12.2	3 pin 5/6 A socket outlet	1.00	each	59.00	Rupees Fifty Nine Only	59.00
12.3	15/16 A switch	5.00	each	94.00	Rupees Ninety Four Only	470.00
12.4	6 pin 15/16 A socket outlet	8.00	each	110.00	Rupees One Hundred Ten Only	880.00
13	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/isolator)					
13.1	6 way , Double door	2.00	Each	2187.00	Rupees Two Thousand One Hundred Eighty Seven Only	4374.00
14	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
14.1	DP 40 Amp	1.00	each	1330.00	Rupees One Thousand Three Hundred Thirty Only	1330.00
14.2	DP 63 Amp	3.00	each	1479.00	Rupees One Thousand Four Hundred Seventy Nine Only	4437.00
15	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
15.1	Single pole	3.00	each	241.00	Rupees Two Hundred Forty One Only	723.00

16	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, making good the damages, electrical connections, testing etc. complete as required:-						
16.1	6 Liter capacity water heater	2.00	each	10433.00	Rupees Ten Thousand Four Hundred Thirty Three Only	20866.00	
17	Providing and installation of following type of Decorative LED bulb ; suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clips & loop in loop out wire, connections, testing and commissioning etc. as required. Make: Philips, Syska, GE, Bajaj, C&S, Jaguar, or any other approved by Engineer-in-Charge.						
17.1	LED bulb 9 watt	2.00	Each	123.00	Rupees One Hundred Twenty Three Only	246.00	
	1.01 Conditions:-			Total		99440.00	
	1.02 Rates are including of all taxes, all heights all leads and lifts for internal and external works for all floor levels.						
	1.03 Useful materials should be handed over to the Assistant Engineer Electrical Sub Division No.II Shimla-2, otherwise credit for useful materials will be charged.						
	1.04 Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of Indian standards.						

i Quoted rates in Figures

ii Quoted rates in words

Executive Engineer,
Electrical Division No.I.
HP PWD, Kasumpti, Shimla-9.

SCHEDULE OF QUANTITY

4

Estimated Cost Rs. :- 97667.00
Earnest Money Rs. :- 1900.00

Time:- Two Months

Name of work:- Providing Special repair to E.I type V set No. 14, Type VI set No. 18,10,7 type III set No. 22,7 Block 4 set No. 30, servant Q No. 5 Mehli.

Sl. No.	Items of work	Quantity	Rate		Amount.
			In figures	In words	
1.00	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in PVC casing & capping, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.				
1.10	Group B	8.00	Point	Rupees Eight Hundred Forty Seven Only	6776.00
2.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in PVC casing & capping as required				0.00
2.10	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	10.00	Mtrs	Rupees One Hundred Eighty One Only	1810.00
2.20	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	16.00	Mtrs	Rupees Two Hundred Eighty Seven Only	4592.00
3.00	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.	7.00	each		2135.00
4.00	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.	7.00	each	Rupees Four Hundred Forty One Only	3087.00
5.00	Providing and installation of following type of LED Ballen with polycarbonate housing, anti glare polycarbonate diffuser, surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours, THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make				
5.10	LED Ballen Light 10W	1.00	Each	Rupees Five Hundred Forty Seven Only	547.00
5.20	LED Ballen Light 20W				
6.00	Providing and installation of following type of LED Bulk Head with PDC/CRCA housing (aluminium extrusion), anti glare polycarbonate diffuser, surge protection 2 KV luminaire efficacy > 85lm/Watt with minimum 50000 burning hours, THD<15% in white finish industrial grade IP 65 rated and separated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make	10.00	Each	Rupees Six Hundred Thirty One Only	6310.00

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6.10	LED Bulk Head Light 10W	2.00	Each	1126.00	Rupees One Thousand One Hundred Twenty Six Only	2252.00
7.00	Providing and installation of following type of Surface mounting square type LED Downlight with polycarbonate housing, anti glare polycarbonate diffuser, surge protection 2.5 KV luminaire efficacy > 85lm/Watt with minimum 25000 burning hours, THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make					
7.10	Square LED Down Light 15W Surface	7.00	Each	1735.00	Rupees One Thousand Seven Hundred Thirty Five Only	12145.00
8.00	Providing and installation of following type of LED bedlight with multiple shades suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories if required including connections, testing and commissioning etc. as required. Make: Philips, Syska, GE, Bajaj, C&S, Jaguar, or any other approved by Engineer-in-Charge.					
8.10	LED bedlight 12W	6.00	Each	1100.00	Rupees One Thousand One Hundred Only	6600.00
9.00	Providing and installation of LED street light with extruded aluminium heat sink, with anti glare polycarbonate diffuser and energy efficient constant current, integral electronic driver; suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clips & loop in loop out wire, connections, G I bracket testing and commissioning etc. as required. Make: Philips, Syska, GE, Bajaj, C&S, Panasonic or any other approved by Engineer-in-Charge as required:-					
9.10	LED street light 50 watt	3.00	Each	1835.00	Rupees One Thousand Eight Hundred Thirty Five Only	5505.00
10.00	Providing and installation ventilating 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: of Approved Make					
10.10	ventilating fan Fan, 250 mm sweep	1.00	Each	2196.00	Rupees Two Thousand One Hundred Ninety Six Only	2196.00
11.00	Providing and installation exhaust fan of following sizes in the existing opening, Double ball bearing type metal frame including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: of Approved Make Domestic type.					
11.10	Exhaust Fan, Light duty, (Domestic) 225/230 mm sweep	1.00	Each	2156.00	Rupees Two Thousand One Hundred Fifty Six Only	2156.00
12.00	P/F environmental friendly, ultra modern, energy saving, surface mounted, decorative over bulk head edge-lit LED luminaire AC 220-240 V, 50/60Hz comprising of high brightness LEDs complete with connections testing & commissioning etc as required. LED bulb 3W approved make syska havells bajaj or any other approved by engineer in charge					
12.10	LED Bulb 9Watt	8.00	Each	123.00	Rupees One Hundred Twenty Three Only	984.00
13.00	Supplying and fixing PVC batter/ angle holder including connections etc. as required.	7.00	Each	89.00	Rupees Eighty Nine Only	623.00
14.00	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	2.00	Each	91.00	Rupees Ninety One Only	182.00
15.00	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.					
15.10	2 way 5/6 A switch	3.00	Each	54.00	Rupees Fifty Four Only	162.00

16.00	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.						
16.10	Armoured cable 6 sq. mm (twin core)	50.00	Metre	212.00		Rupees Two Hundred Twelve Only	10600.00
17.00	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
17.10	Single pole	10.00	Each	241.00		Rupees Two Hundred Forty One Only	2410.00
18.00	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
18.10	63 A DP	1.00	Each	1479.00		Rupees One Thousand Four Hundred Seventy Nine Only	1479.00
19.00	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes with 8 bar pressure rating Five star BEE rating and safety valve installation by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:-						
19.10	6 Liter capacity water heater (Cat-A)	1.00	Each	10433.00		Rupees Ten Thousand Four Hundred Thirty Three Only	10433.00
19.20	25 Liter capacity water heater (Cat-A)	1.00	Each	14683.00		Rupees Fourteen Thousand Six Hundred Eighty Three Only	14683.00
				Total			97667.00
1.01	Conditions:-						
1.02	Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs.900/- Only.						
1.03	It is to certify that the tender is being called on emergent nature in exigency of Public Interest.						
i	Quoted rates in Figures						
ii	Quoted rates in words						


 Executive Engineer,
 Electrical Division No.1.
 HP PWD, Kasumpti, Shimla-9.

SCHEDULE OF QUANTITY

5

Estimated Cost Rs. :- 78122.00
Earnest Money Rs. :- 1600.00

Time:- Two Months

Name of work:-Providing Special repair to E.I Type VI set No.12A, 17, Type III set No. 4.9 type II set No. 10 Ground, 19,9 type I set No. 13 Melhi Type VI set No. 7, type III set No. 70, type II set No. 16,13 Kasumpti Shimla-9

Sl. No.	Items of work	Quantity	Rate		Amount.
			In figures	In words	
1.00	Wiring for light point/ exhaust fan point/ call bell point with 1.5 sq mm FRLS PVC insulated copper conductor single core cable in PVC casing & capping, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.				
1.1	Group A	5.00	Point	Rupees Seven Hundred Forty Six Only	3730.00
1.2	Group B	5.00	Point	Rupees Eight Hundred Forty Seven Only	4235.00
2	Wiring for light point/ exhaust fan point/ call bell point with 1.5 sq mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required.				
2.1	Group A	7.00	Point	Rupees Eight Hundred Fifty Two Only	5954.00
3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in PVC casing & capping as required				
3.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	21.00	mtrs	Rupees One Hundred Eighty One Only	3801.00
3.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	7.00	mtrs	Rupees Two Hundred Eighty Seven Only	2009.00
4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
4.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	8.00	mtrs	Rupees Two Hundred Nine Only	1672.00
4.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	14.40	mtrs	Rupees Three Hundred Fifteen Only	4536.00
5	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.	12.00	Each	Rupees Three Hundred Five Only	3660.00
6	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.	6.00	each	Rupees Four Hundred Forty One Only	2646.00
7	Providing and installation of following type of LED batten with aluminium housing, anti glare polycarbonate diffuser and energy efficient constant current, integral electronic driver, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clamps, connections, testing etc. as required: of Approved Make				
7.1	LED Batten Light 10W	2.00	each	Rupees Five Hundred Forty Seven Only	1094.00
7.2	LED Batten Light 20W	14.00	each	Rupees Six Hundred Thirty One Only	8834.00
8	Providing and installation of environmental friendly, ultra modern, energy saving, surface mounted, decorative over bulk head edge-lit LED luminaire comprising of high brightness LEDs complete with connections, testing & commissioning etc as required.				
8.1	LED Bulkhead LED 10 Watt	1.00	each	Rupees One Thousand One Hundred Twenty Six Only	1126.00
9	Providing and installation 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: of Approved Make				
9.1	Exhaust Fan, Light duty, (Domestic) 225 mm sweep	3.00	each	Rupees Two Thousand One Hundred Fifty Six Only	6468.00
9.2	Exhaust Fan, Light duty, (Domestic) 300 mm sweep	2.00	each	Rupees Two Thousand Four Hundred Ninety Five Only	4990.00
10	Supplying and fixing PVC batten/ angle holder including connections etc. as required.	10.00	each	Rupees Eighty Nine Only	890.00
11	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.				
11.1	5/6 amps switch	12.00	each	Rupees Forty One Only	492.00

11.2	3 pin 5/6 A socket outlet	5.00	each	59.00	Rupees Fifty Nine Only	295.00
11.3	Bell push	1.00	each	67.00	Rupees Sixty Seven Only	67.00
11.4	15/16 A switch	7.00	each	94.00	Rupees Ninety Four Only	658.00
11.5	6 pin 15/16 A socket outlet	8.00	each	110.00	Rupees One Hundred Ten Only	880.00
12	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	1.00	each	91.00	Rupees Ninety One Only	91.00
13	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
13.1	OP 40 Amp	1.00	each	1330.00	Rupees One Thousand Three Hundred Thirty Only	1330.00
13.2	DP 63 Amp	2.00	each	1479.00	Rupees One Thousand Four Hundred Seventy Nine Only	2958.00
14	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
14.1	Single pole	11.00	each	241.00	Rupees Two Hundred Forty One Only	2651.00
15	Providing and installation of following type of Decorative LED bulb : suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clips & loop in loop out wire, connections, testing and commissioning etc. as required. Make: Philips, Syska, GE, Bajaj, C&S, Jaguar, or any other approved by Engineer-in-Charge.					
15.01	LED bulb 9 watt	8.00	Each	123.00	Rupees One Hundred Twenty Three Only	984.00
16	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.					
16.01	Armoured cable 6 sq. mm (twin core)	12.00	Metre	212.00	Rupees Two Hundred Twelve Only	2544.00
17	Providing and installation of following type of LED flood lights suitable for rough services with aluminium die cast housing in white/warm white finish with anti glare polycarbonate diffuser and separated energy efficient constant current, non-integral, electronic driver, having input voltage: AC 220-240 V, 50/60Hz, and suitable for highlighting architectural features or area lighting complete with all accessories, connections, testing etc. as required: of Approved Make					
17.01	Flood Light 50 Watt	2.00	Each	2142.00	Rupees Two Thousand One Hundred Forty Two Only	4284.00
18	Providing and fixing following hense make cable junction box IP 66/67 weather proof with terminals for incoming/outgoing cables of size 10 to 16 sq. mm i/c making necessary connections, testing and commissioning etc. as required.	1.00	each	683.00	Rupees Six Hundred Eighty Three Only	683.00
19	Providing and fixing 25 W LED Strip light (5W/mtr) with colour temperature 3000K and lumens output of 72 lm/W suitable for input voltage 220-240V, 50-60HZ frequency range, energy efficient constant current electronic driver, complete with all accessories, connections, testing etc. as required: . Make: Wipro, Twinkle, Syska, Bajaj, C&S, Panasonic or as approved by Engineer-in-charge.					
19.01	LED Strip Light 25 watt	50.00	Mtrs	91.00	Rupees Ninety One Only	4550.00
1.01	Conditions:-			Total		78122.00
1.02	Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 1000/- Only.					
1.03	It is certify that the tender is being called on emergent nature in exigency of Public Interest.					
i	Quoted rates in Figures					
ii	Quoted rates in words					

Executive Engineer,
Electrical Division No.1.
H. PWD, Kasumpti, Shimla-2

SCHEDULE OF QUANTITY

6

Estimated Cost Rs. :-

99664.00

Earnest Money Rs. :-

2000.00

Time:- Two Months

Name of work:- Providing Special repair to E.I type V set No. 14, Type VI set No. 18,10,7 type III set No. 22,7 Block 4 set No. 30, servant Q No. 5 Mehli.

Sl. No.	Items of work	Quantity	Rate		Amount.
			In figures	In words	
1.00	Wiring for light point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required.				
1.10	Group B	6.00	point	Rupees One Thousand Twenty Six Only	6156.00
2.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in PVC casing & capping as required				
2.10	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	22.00	mtrs	Rupees One Hundred Eighty One Only	3982.00
2.20	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	15.00	mtrs	Rupees Two Hundred Eighty Seven Only	4305.00
3.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
3.10	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	40.00	mtrs	Rupees Two Hundred Nine Only	8360.00
3.20	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	29.00	mtrs	Rupees Three Hundred Fifteen Only	9135.00
4.00	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.	25.00		Rupees Three Hundred Five Only	7625.00
5.00	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.	13.00	each	Rupees Four Hundred Forty One Only	5733.00
6.00	Providing and installation of following type of LED Batten with polycarbonate housing, anti glare polycarbonate diffuser, surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours, THD<15% in white finish and seprated energy efficient constant current, non-integral, electronic driver, relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make				
6.10	LED Batten Light 10W	10.00	Each	Rupees Five Hundred Forty Seven Only	5470.00
6.20	LED Batten Light 20W	15.00	Each	Rupees Six Hundred Thirty One Only	9465.00
7.00	Providing and installation of following type of Surface mounting square type LED Downlight with polycarbonate housing, anti glare polycarbonate diffuser, surge protection 2.5 KV luminaire efficacy > 85lm/Watt with minimum 25000 burning hours, THD<15% in white finish and seprated energy efficient constant current, non-integral, electronic driver, relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make				
7.10	Square LED Down Light 12 W Surface	3.00	each	Rupees One Thousand Six Hundred Fifty Nine Only	4977.00

7.20	Square LED Down Light 18W Surface	1.00	each	1811.00	Rupees One Thousand Eight Hundred Eleven Only	1811.00
8.00	Providing and installation exhaust fan of following sizes in the existing opening. Double ball bearing type metal frame including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: of Approved Make Domestic type.					
8.10	Exhaust Fan, Light duty, (Domestic) 225/230 mm sweep	3.00	Each	2156.00	Rupees Two Thousand One Hundred Fifty Six Only	6468.00
8.20	Supplying and fixing PVC battens/ angle holder including connections etc. as required.	8.00	each	89.00	Rupees Eighty Nine Only	712.00
9.00	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
9.10	Single pole	11.00	Each	241.00	Rupees Two Hundred Forty One Only	2651.00
10.00	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
10.10	63 A DP	1.00	Each	1479.00	Rupees One Thousand Four Hundred Seventy Nine Only	1479.00
11.00	Supplying and fixing following plano type switch/ socket on the existing switch box/ cover including connections etc. as required.					
11.10	5/6 amps switch	61.00	each	41.00	Rupees Forty One Only	2501.00
11.20	5/6 amps switch Two ways	9.00	each	54.00	Rupees Fifty Four Only	486.00
11.30	3 pin 5/6 A socket outlet	28.00	each	59.00	Rupees Fifty Nine Only	1652.00
11.40	Bell push	2.00	each	77.00	Rupees Seventy Seven Only	154.00
11.50	15/16 A switch	22.00	each	94.00	Rupees Ninety Four Only	2068.00
11.60	6 pin 15/16 A socket outlet	22.00	each	110.00	Rupees One Hundred Ten Only	2420.00
12.00	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	7.00	each	91.00	Rupees Ninety One Only	637.00
13.00	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes with 8 bar pressure rating Five star BEE rating and safety valve installation by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:-					
13.10	6 Liter capacity water heater (Cat-A)	1.00	Each	10433.00	Rupees Ten Thousand Four Hundred Thirty Three Only	10433.00
14.00	Providing and installation of following type of Decorative LED bulb ; suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clips & loop in loop out wire, connections, testing and commissioning etc. as required. Make: Philips, Syska, GE, Bajaj, C&S, Jaguar, or any other approved by Engineer-in-Charge.					
14.10	LED Bulb 9 Watt	8.00	Each	123.00	Rupees One Hundred Twenty Three Only	984.00
1.01	Conditions:-			Total		99664.00
1.02	Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs.1000/- Only.					
1.03	It is to certify that the tender is being called on emergent nature in exigency of Public interest.					
i	Quoted rates in Figures					
ii	Quoted rates in words					


Executive Engineer,
Electrical Division No.I.
HP. PWD. Kasumpti, Shimla-9.

SCHEDULE OF QUANTITY

7

Estimated Cost Rs. :- 99455.00
Earnest Money Rs. :- 1750.00
Time:- Two Months

Name of work:- -Providing special repair/ Additional Alternation to E.I in Club Cottage At US Club Shimla

Sl. No.	Items of work	Quantity	Rate		Amount.
			In figures	In words	
1.00	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.				
1.01	Group B	12.00	Each	Rupees One Thousand Twenty Six Only	12312.00
2.00	Supplying and drawing following size of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
2.01	3 x 1.5 sq. mm	10.00	Meter	Rupees Ninety Three Only	930.00
2.02	3 x 4 sq. mm	12.00	Meter	Rupees Two Hundred Five Only	2460.00
3.00	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.	2.00	Each	Rupees One Thousand One Hundred Thirty Five Only	2270.00
4.00	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel conduit including dismantling as required. (Group-A)	5.00	Each	Rupees Four Hundred Seventy Only	2350.00
5.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.			Rupees NIL Only	0.00
5.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	26.00	Meter	Rupees Two Hundred Nine Only	5434.00
5.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	22.00	Meter	Rupees Three Hundred Fifteen Only	6930.00
5.03	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	25.00	Meter	Rupees Five Hundred Twenty Three Only	13075.00
6.00	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in FRLSont including providing and fixing 3 pin 5/6 amps socket outlet and 5/6 amps piano type switch, connection, painting etc. as required. (For light plugs to be used in non residential buildings).	9.00	Each	Rupees Three Hundred Five Only	2745.00

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7.00	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in FRLSont including providing and fixing 6 pin 5/6 & 15/16 amps socket outlet and 15/16 amps piano type switch, connection, painting etc. as required.	6.00	Each	441.00	Rupees Four Hundred Forty One Only	2646.00
9.00	Supplying and fixing Higher Rating (50 to 63 A) 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.. as required. Approved make Havells L&T, ABB, legrand, Schneider & C&S.					
9.01	MCB DP 50/63 A 'C' curve	2.00	each	1479.00	Rupees One Thousand Four Hundred Seventy Nine Only	2958.00
11.00	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes with 8 bar pressure rating Five star BEE rating and safety valve installation by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:-					
11.01	25 Liter capacity water heater (Cat-A)	1.00	each	14683.00	Rupees Fourteen Thousand Six Hundred Eighty Three Only	14683.00
12.00	Providing and installation of instant Electric water heater (Geyser) of various sizes with 8 bar pressure rating 3kw element and safety valve installation by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:-					
12.01	3 Liter capacity water heater (Cat-A)	1.00	each	5183.00	Rupees Five Thousand One Hundred Eighty Three Only	5183.00
13.00	Installation of ventilating /exhaust fan in the existing opening, including making good BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor the damage, connection, testing, commissioning etc. as required. Supply & Erection of Ventilating Fan) following size complete with motor,, with minimum power consumption, rigid frame with rubber mounting for silent operation,, in the existing opening including cost of making the hole to suit the size of above fan making good the damage, Carriage Charges connection, testing, commissioning etc. as required to complete the job to the entire satisfaction of EIC.					
13.01	Exhaust Fan, 150 mm sweep	4.00	each	2115.00	Rupees Two Thousand One Hundred Fifteen Only	8460.00
16.00	Supplying and fixing fancy Pendant type light with three lamp (clear glass, Rose gold mesh with Chrome finishing pendant) holder of superior quality with bulb & make complete with all accessories/Chain etc. complete in all respect including making connections, testing etc. as required. Make , Jaquar , Philips, Havells or as approved by Engineer-in-Charge.	2.00	each	1320.00	Rupees One Thousand Three Hundred Twenty Only	2640.00
17.00	Providing and installation of following type of LED batten with aluminium housing, anti glare polycarbonate diffuser and energy efficient constant current, integral electronic driver, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clamps, connections, testing etc. as required. of Approved Make Engineer-in-Charge.					
17.01	Wattage of LED fittings- As per following parameters					
17.02	Total lumens of the LED fittings- as per individual fittings mention below					
17.03	Diffuser-polycarbonate diffuser/PNMA					

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17.04	Operating voltage-140V to 270V, AC supply					
17.05	Input frequency-50 Hz + 1 Hz					
17.06	Power factor-Minimum 0.90					
17.07	Luminaire efficacy-> 100 lm/w					
17.08	Color rendering index-CRI shall be greater than 80					
17.09	Working/ operating temperature-0 to + 45c or better					
17.10	Color temperature-6000K to 10%					
17.11	Electronic Driver					
17.12	Drive current (LED)-As per OEM.					
17.13	Operating voltage-140 V to 270 V AC supply or better					
17.14	Type of driver-Constant current output driver					
17.15	THD-Less than 10%					
17.16	Surge Protection-2.5 KV minimum					
17.17	Efficiency Driver->85%					
17.18	Protection-Should have under voltage and over voltage protection.					
17.19	Guarantee of LED fittings including LED driver-2 years against manufacturing defect.					
17.20	Fixture-Should comply with LM 79 test from NABL/UL lab.					
17.21	LED Type/ Make/ Model-Power CREE/ OSRAM/ NICHIA/ Philips LUMILED with life more than 25000 burning hours @70% lumen maintenance complying with LM 80 test report from the manufacturer.					
17.22	Life of LED-25000 burning hours at 70% lumen maintenance	2.00	each	547.00	Rupees Five Hundred Forty Seven Only	1094.00
17.23	LED Batten Light >1000 Lumens.	9.00	each	631.00	Rupees Six Hundred Thirty One Only	5679.00
17.24	LED Batten Light >2000 Lumens.					
18.00	Providing and installation of following type of LED Bulk Head with PDC/CRCA housing (aluminium extrusion), anti glare polycarbonate diffuser, complete with all accessories, connections, testing etc. as required: of Approved Make. Approved Make Philips, Havells, Bajaj, wipro Goldmedal & Panasonic as per following specification.					
18.01	Wattage of LED fittings- As per following parameters					
18.02	Total lumens of the LED fittings- Minimum 800 lumen					
18.03	Diffuser-polycarbonate diffuser/PNMA					
18.04	Operating voltage-140V to 270V, AC supply					
18.05	Input frequency-50 Hz + 1 Hz					
18.06	Power factor-Minimum 0.90					
18.07	Luminaire efficacy->80 lm/w					
18.08	Color rendering index-CRI shall be greater than 80					
18.09	Working/ operating temperature-0 to + 45c or better					
18.10	Color temperature-6000K to 10%					

18.11	Electronic Driver							
18.12	Drive current (LED)-As per OEM.							
18.13	Operating voltage-140 V to 270 V AC supply or better							
18.14	Type of driver-Constant current output driver							
18.15	THD-Less than 10%							
18.16	Surge Protection-2 KV minimum							
18.17	Efficiency Driver->85%							
18.18	Protection-Should have under voltage and over voltage protection.							
18.19	Guarantee of LED fittings including LED driver-2 years against manufacturing defect.							
18.20	Fixture-Should comply with LM 79 test from NABL/UL lab.							
18.21	LED Type/ Make/ Model-Power CREE/ OSRAM/ NICHIA/ Philips LUMILED with life more than 25000 burning hours @70% lumen maintenance complying with LM 80 test report from the manufacturer.							
18.22	Life of LED-50000 burning hours at 70% lumen maintenance	3.00	each	1126.00			Rupees One Thousand One Hundred Twenty Six Only	3378.00
18.23	LED Bulk head with bulb							
19.00	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.	3.00	each	41.00			Rupees Forty One Only	123.00
19.01	5/6 amps switch	1.00	each	94.00			Rupees Ninety Four Only	94.00
19.02	15/16 amp switch							
20.00	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.							
20.01	25mm	13.00	meter	125.00			Rupees One Hundred Twenty Five Only	1625.00
21.00	supplying and fixing New Generation saving and environmental friendly long life LED street light made up pressure die cast aluminium housing with high efficiency LED as lighting source and lens embedded PC cover having Bottom Opening separate driver compartment with IP66 protection and impact resistant of IK08 etc. Suitable for 230-240 V 50 HZ complete in all respect including making connections, testing etc. as required Make, Jaquar, Philips, Havells or as approved by Engineer-in-Charge LED Street light fitting 30 W.	1.00	each	2386.00			Rupees Two Thousand Three Hundred Eighty Six Only	2386.00
1.01 Conditions:-				Total				99455.00
1.02 Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 700/- Only.								
1.03 It is to certify that the tender is being called on emergent nature in exigency of Public interest								
i	Quoted rates in Figures							
ii	Quoted rates in words							


 Executive Engineer,
 Electrical Division No.1.
 H.P. PWD, Kasumpti, Shimla-9.

SCHEDULE OF QUANTITY

8
Estimated Cost Rs. :- 97224.00
Earnest Money Rs. :- 1850.00
Time:- Two Months

Name of work:-Providing Special repair to E.I. Type IV set no-7 Parimehal at Kasumpti Shimla-9.

Sl. No.	Items of work	Quantity	Rate		Amount.
			In figures	In words	
1.00	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in PVC casing & capping, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.				
1.1	Group B	21.00	Point	Rupees Eight Hundred Forty Seven Only	17787.00
2	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in PVC casing & capping as required				
2.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	26.00	mtrs	Rupees One Hundred Eighty One Only	4706.00
2.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	42.00	mtrs	Rupees Two Hundred Eighty Seven Only	12054.00
2.3	4 X 4 sq. mm + 1 X 4 sq. mm earth wire	37.00	Mtrs	Rupees Four Hundred Seventy Six Only	17612.00
3	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.	23.00		Rupees Three Hundred Five Only	7015.00
4	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.	12.00	each	Rupees Four Hundred Forty One Only	5292.00
5	Providing and installation of following type of LED Batten, with polycarbonate housing, anti glare polycarbonate diffuser, surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours, THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver/relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make				
5.1	LED Batten Light 10W	2.00	Each	Rupees Five Hundred Forty Seven Only	1094.00
5.2	LED Batten Light 20W	7.00	Each	Rupees Six Hundred Thirty One Only	4417.00
6	Providing and installation of following type of Surface mounting square type LED Downlight with polycarbonate housing, anti glare polycarbonate diffuser, surge protection 2.5 KV luminaire efficacy > 80lm/Watt with minimum 25000 burning hours, THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make				
6.1	Square LED Down Light 18W Surface	5.00	each	Rupees One Thousand Eight Hundred Eleven Only	9055.00

7	Providing and installation of following type of LED Bulk Head with PDC/CRCA housing (aluminium extrusion), anti glare polycarbonate diffuser, surge protection 2 KV luminaire efficacy > 85lm/Watt with minimum 50000 burning hours, THD<15% in white finish industrial grade IP 65 rated and separated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make	1.00	Each	1126.00	Rupees One Thousand One Hundred Twenty Six Only	1126.00
7.1	LED Bulk Head Light 10W					
8	Providing and installation exhaust fan of following sizes in the existing opening, Double ball bearing type metal frame including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: of Approved Make Domestic type.					
8.1	Exhaust Fan, Light duty, (Domestic) 225/230 mm sweep	2.00	Each	2156.00	Rupees Two Thousand One Hundred Fifty Six Only	4312.00
8.2	Supplying and fixing PVC batten/ angle holder including connections etc. as required.	4.00	each	89.00	Rupees Eighty Nine Only	356.00
9	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 KA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
9.1	Single pole	15.00	Each	241.00	Rupees Two Hundred Forty One Only	3615.00
10	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
10.1	63 A DP	2.00	Each	1479.00	Rupees One Thousand Four Hundred Seventy Nine Only	2958.00
11	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	1.00	each	91.00	Rupees Ninety One Only	91.00
12	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/isolator)					
12.1	8 way , Double door	1.00	Each	2570.00	Rupees Two Thousand Five Hundred Seventy Only	2570.00
12.2	16 way , Double door	1.00	Each	3164.00	Rupees Three Thousand One Hundred Sixty Four Only	3164.00
1.01	Conditions:-			Total		97224.00
1.02	Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 1000/- Only.					
1.03	It is to certify that the tender is being called on emergent nature in exigency of Public interest.					
i	Quoted rates in Figures					
ii	Quoted rates in words					


Executive Engineer,
Electrical Division No.I.
HP. PWD. Kasumpti, Shimla-9.

SCHEDULE OF QUANTITY

9

Estimated Cost Rs. :- 99280.00
Earnest Money Rs. :- 2000.00
Time:- Two Months

Name of work:- Providing & Replacement of unserviceable Electrical Appliances (Pillar heater , Room Heater D/Rod) for the year 2024-2025 in the residences of Hon'ble MLA'S at Vidhan Sabha and Metropole Shimla ~ 4.					
Sl. No.	Items of work	Quantity	Rate		Amount.
			In figures	In words	
1.00	Supplying The following Electrical Appliances i.e. Heater etc. of superior quality & make as detailed below conforming ISI marked (IS:369-1992 & IS:302-1992 part-2) as ammended upto date. Complete all respect				
1.01	Providing of Pillar Type Heater double Rod 1500 watt & complete with all accessories as required.(Belcon / Gopi or its equivalent make)	15.00	each	Rupees Three Thousand Four Hundred Only	51000.00
2.00	Providing of Room Heater D/Rod at site as required prince / Bajaj or its equivalent make	7.00	each	Rupees One Thousand Eight Hundred Forty Only	12880.00
3.00	Providing of OFR Room Heater , 13 Fin 2500 watts Oil Filled Room Heater with 400W PTC Ceramic Fan Heater (Make: Usha,Bajaj)	2.00	each	Rupees Seventeen Thousand Seven Hundred Only	35400.00
1.01	Conditions:-		Total		99280.00
1.02	Rates are including of all taxes, all heights all leads and lifts for internal and external works for all floor levels.				
1.03	Useful materials should be handed over to the Assistant Engineer Electrical Sub Division No.I Vidhan Sabha, otherwise credit for useful materials will be charged.				
1.04	Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of indian standards.				

i Quoted rates in Figures

ii Quoted rates in words


Executive Engineer,
Electrical Division No.I.
HP PWD, Kasumpti, Shimla-9.

SCHEDULE OF QUANTITY

10

Estimated Cost Rs. :-

67123.00

Earnest Money Rs. :-

1750.00

Time:- Two Months

SEE

Name of work:- Providing Special Repair/Additional Alternation to E.I in various (BLOCK J-III/106 ,BLOCK M-II/94,BLOCK M-III/121, BLOCK K-III/114,BLOCK--32-III/123,BLOCK-E-I/39and A-III/2 Type-IV etc.) Type I, II, III, IV Nabha at Shimla 4.

Sl. No.	Items of work	Quantity	Rate		Amount.
			In figures	In words	
1.00	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.				
1.01	Group A	4.00	point	Rupees Eight Hundred Fifty Two Only	3408.00
2.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
2.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	24.00	Meter	Rupees Two Hundred Nine Only	5016.00
2.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	32.00	Meter	Rupees Three Hundred Fifteen Only	10080.00
3.00	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.	10.00	each	Rupees Three Hundred Five Only	3050.00
4.00	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.	9.00	each	Rupees Four Hundred Forty One Only	3969.00
5.00	Supplying of call bell/ buzzer suitable for single phase, 230 V, complete as required.	3.00	each	Rupees Ninety One Only	273.00
6.00	Providing and installation exhaust fan of following sizes in the existing opening, Double ball bearing type metal in the existing opening to suit the size of the above fan,including connections, testing and commissioning etc. as required: Domestic type Approved Make Orient, Havells, Goldmedal, Bajaj & atomberg.				
6.01	Exhaust Fan, Light duty, (Domestic) 225/230 mm sweep	1.00	each	Rupees Two Thousand One Hundred Fifty Six Only	2156.00
7.00	Providing and installation of following type of LED Batten with PDC/CRCA housing(aluminium extrusion), anti glare polycarbonate diffuser,surge protection 4 KV luminaire efficacy > 110lm/Watt with minimum 25000 burning hours, THD<15% in white finish industrial grade IP 40 rated and seprated energy efficient constant current, non-integral, electronic driver;relevant LM 7980 complaiance fromUN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make				
	Wattage of LED fittings- As per following parameters				
	Total lumens of the LED fittings- as per individual fittings mention below				

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	THD-Less than 10%								
	Surge Protection-2.5 KV minimum								
	Efficiency Driver->85%								
	Protection-Shall have under voltage and over voltage protection.								
	Guarantee of LED fittings including LED driver-2 years against manufacturing defect.								
	Fixture-Should comply with LM 79 test from NABL/UL lab.								
	LED Type/ Make/ Model-Power CREE/ OSRAM/ NICHIA/ Philips LUMILED with life more than 25000 burning hours @70% lumen maintenance complying with LM 80 test report from the manufacturer.								
8.01	Life of LED-25000 burning hours at 70% lumen maintenance LED Batten Light > 1000 Lumens.	2.00	each	547.00			Rupees Five Hundred Forty Seven Only		1094.00
7.00	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.								
7.01	Single pole	3.00	each	241.00			Rupees Two Hundred Forty One Only		723.00
8.00	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.								
8.01	63 A DP	1.00	each	1479.00			Rupees One Thousand Four Hundred Seventy Nine Only		1479.00
9.00	Installation of ventilating/exhaust fan in the existing opening, including making good BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor the damage, connection, testing, commissioning etc. as required. Supply & Erection of Ventilating Fan) following size complete with motor,, with minimum power consumption, rigid frame with rubber mounting for silent operation, in the existing opening to suit the size of above fan making good the damage, Carriage Charges connection, testing, commissioning etc. as required to complete the job to the entire satisfaction of EIC.. Approved Make Orient. Havells. Goldmedal Bajaj & alomberg.								
9.01	Exhaust Fan, 200 mm sweep	1.00	each	2732.00			Rupees Two Thousand Seven Hundred Thirty Two Only		2732.00
10.00	Providing and fixing Flood light luminaire with high power LED and unique flood optics to ensure uniform distribution and save upto 50% w.r.t. convectional system and maintenance system, ideal for area lighting high-mast, LED Flood , complete with all accessories testing and commissioning etc. as required. Make: Twinkle , Syska, GE, Bajaj,jaquar ,Havell , C&S, Panasonic or any other approved by Engineer-in-Charge..								
10.01	LED Flood 100 Watt	1.00	each	3484.00			Rupees Three Thousand Four Hundred Eighty Four Only		3484.00

11.00	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes with 8 bar pressure rating, 5 star BEE rating and safety valve. Installation by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required. Approved make Jaguar, Havells, Goldmedal, Bajaj & Racold.					
11.01	25 Litr capacity water heater (Cat-A)	1.00	each	14683.00	Rupees Fourteen Thousand Six Hundred Eighty Three Only	14683.00
12.00	Supplying and fixing of fancy wall bracket suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, lamp holder, but excluding lamp including making connections, testing etc. as required: of Approved Make					
12.01	Wall light fixture Polycarbonate body, suitable for 9 W retrofit LED lamp B22 base.	4.00	each	1004.00	Rupees One Thousand Four Only	4016.00
13.00	Supplying and fixing fancy Pendant type light with Three lamp holder of superior quality & make complete with all accessories/Chain etc. as required complete with holder including connections etc. as required:-	1.00	each	1500.00	Rupees One Thousand Five Hundred Only	1500.00
1.01	Conditions:-			Total		67123.00
1.02	Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 700/- Only.					
1.03	It is to certify that the tender is being called on emergent nature in exigency of Public interest					
i	Quoted rates in Figures					
ii	Quoted rates in words					

Executive Engineer,
Electrical Division No.I.
HP, PWD, Kasumpti, Shimla-9.

SCHEDULE OF QUANTITY

11

Estimated Cost Rs. :- 99393.00

Earnest Money Rs. :- 2000.00

Time:- Two Months

Name of work:- Providing Special repair to E.I Block ABC Room No. 306,107 Block-D Room no. 321,325,507,514,318 Milkef Ground floor Nirman

Sl. No.	Items of work	Quantity	Rate		Amount.
			In figures	In words	
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required.				
1.1	Group C	14.00	each		
2	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.	13.00	each	Rupees One Thousand One Hundred Twenty Three Only	15722.00
3	Supplying and fixing metal box of 225mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in FRLSont including providing and fixing 3 No 3 pin 5/6 amps socket outlet and 3 No 5/6 amps piano type switch, connection, painting etc. as required.	8.00	each	Rupees Four Hundred Forty One Only	5733.00
4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
4.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	8.00	mtrs	Rupees Two Hundred Nine Only	1672.00
4.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	48.00	mtrs	Rupees Three Hundred Fifteen Only	15120.00
4.3	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	54.00	mtrs	Rupees Two Hundred Fifty Three Only	13662.00
4.4	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	17.00	Metre	Rupees Five Hundred Twenty Three Only	8891.00
5	Providing and installation of following type of LED Batten with polycarbonate housing, anti glare polycarbonate diffuser, surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours, THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make LED Batten Light 20W				
5.1		5.00	each	Rupees Six Hundred Thirty One Only	3155.00
6	Supplying and Fixing of Cassing Capping of size 25 X 12mm with fire retardant properties, smooth finishing that ensures quick pulling of wire, thermally stable, corrosion free along with the accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit complete in all respects as required and approved by Engineer-in-charge				
6.1	25 mm	18.00	mtrs	Rupees Eighty Six Only	1548.00

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7	Providing and installation of following type of Surface mounting square type LED Downlight with polycarbonate housing, anti glare polycarbonate diffuser, surge protection 2.5 KV luminaire efficacy > 85lm/Watt with minimum 25000 burning hours, THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make	6.00	Each	1887.00	Rupees One Thousand Eight Hundred Eighty Seven Only	11322.00
7.1	Square LED Down Light 24W Surface					
8	Providing and installation of following type of Surface/ recess mounting 2 feet by 2 feet type LED Panel with PDC/CRCA housing, anti glare prismatic multi layer diffuser, surge protection 2.5 KV luminaire efficacy > 120 lm/Watt with UGR<19 minimum 50000 burning hours, THD<10% in white finish and separated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make					
8.1	LED Panel 2x2 36 watt	1.00	Each	3052.00	Rupees Three Thousand Fifty Two Only	3052.00
9	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.					
9.1	Armoured cable 10 sq: mm (twin core)	10.00	mtr	262.00	Rupees Two Hundred Sixty Two Only	2620.00
10	Providing and installation ventilating 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: of Approved Make					
10.1	Ventilation Fan, 200 mm sweep	1.00	Each	2036.00	Rupees Two Thousand Thirty Six Only	2036.00
11	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)					
11.1	8 way, Double door	2.00	Each	2570.00	Rupees Two Thousand Five Hundred Seventy Only	5140.00
12	Supplying and fixing following rating, following poles 10ka 240/415v 'C' curves miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
12.1	63 A DP	2.00	each	1479.00	Rupees One Thousand Four Hundred Seventy Nine Only	2958.00

13	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 KA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
13.1	Single pole	10.00	each	241.00	Rupees Two Hundred Forty One Only	2410.00
1.01	Conditions:-			Total		99393.00
1.02	Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 1000/- Only.					
1.03	It is certify that the tender is being called on emergent nature in exigency of Public Interest.					
i	Quoted rates in Figures					
ii	Quoted rates in words					


 Executive Engineer,
 Electrical Division No.I.
 HP-PWD, Kasumpti, Shimla-9.

SCHEDULE OF QUANTITY

12

Estimated Cost Rs. :- 99156.00
Earnest Money Rs. :- 2000.00
Time:- Two Months

Name of work:- Providing Special Repair/ Additional Alternation in Various Brnaches, Room No. 101 to 111 Admin Block at HP High Court Shimla.

Sl. No.	Items of work	Quantity	Rate		Amount.
			In figures	In words	
1	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required				
1.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	14.00	Meter	Rupees Two Hundred Four Only	2856.00
1.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	27.00	Meter	Rupees Three Hundred Thirty Five Only	9045.00
2	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.	3.00	each	Rupees Two Hundred Seventy Two Only	816.00
3	Supplying and fixing suitable size GI box with modular plate and cover in FRLS on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	2.00	each	Rupees Six Hundred Twenty Two Only	1244.00
4	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Approved make Havells, L&T, ABB, legrand, Schneider & C&S.				
4.01	Single pole. Cat-A.	3.00	each	Rupees Three Hundred Fifteen Only	945.00
5	Supplying and fixing Higher Rating (80 to 125A) 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
5.01	MCB DP 50/63 A 'C' curve	1.00	each	Rupees One Thousand Five Hundred Forty Nine Only	1549.00
6	Providing and installation of following type of LED Batten with polycarbonate housing, anti glare polycarbonate diffuser, complete with all accessories, connections, testing etc. as required of Approved Make Philips, havells, Wipro, Bajaj, Panasonic, Goldmedal & Chengli. as per following specification.				
	Wattage of LED fittings- As per following parameters				
	Total lumens of the LED fittings- as per individual fittings mention below				
	Diffuser-polycarbonate diffuser/PMMA				
	Operating voltage-140V to 270V, AC supply				
	Input frequency-50 Hz + 1 Hz				
	Power factor-Minimum 0.90				
	Luminaire efficacy-> 100 lm/w				
	Color rendering index-CRI shall be greater than 80				
	Working/ operating temperature-0 to + 45c or better				
	Color temperature-6000K to 10%				

	Electronic Driver								
	Drive current (LED)-As per OEM.								
	Operating voltage-140 V to 270 V AC supply or better								
	Type of driver-Constant current output driver								
	THD-Less than 10%								
	Surge Protection-2.5 KV minimum								
	Efficiency Driver->85%								
	Protection-Should have under voltage and over voltage protection.								
	Guarantee of LED fittings including LED driver-2 years against manufacturing defect.								
	Fixture-Should comply with LM 79 test from NABL/JUL lab.								
	LED Type/ Make/ Model-Power CREE/ OSRAM/ NICHIA/ Philips LUMILED with life more than 25000 burning hours @70% lumen maintenance complying with LM 80 test report from the manufacturer.								
6.01	Life of LED-25000 burning hours at 70% lumen maintenance				2.00	each	563.00	Rupees Five Hundred Sixty Three Only	1126.00
6.02	LED Batten Light >1000 Lumens.				6.00	each	649.00	Rupees Six Hundred Forty Nine Only	3894.00
7	LED Batten Light >2000 Lumens. Providing and installation 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: of Approved Make Engineer-in-Charge.								
7.01	Exhaust Fan, Light duty, 225 mm sweep				1.00	each	2216.00	Rupees Two Thousand Two Hundred Sixteen Only	2216.00
8	Supply & Erection of LED long luminaries PDC/CRCA housing complete in all respect to be installed on surface with the help of Steel rawl plug etc. The fitting should be of Philips/ Wipro/ Bajaj/ Trilux/ Lighting Technology/ Crompton/ Havells/ Panasonic/ Jaquar make only. The job includes the cost of testing, commissioning and making connection with copper wire from adjacent light point, other petty material and labour etc. as required to complete the same to the entire satisfaction of EIC. Specification of LED fittings: Wattage of LED fittings- As per following parameters Total lumens of the LED fittings- as per individual fittings mention below								
	Body of fittings-CRCA steel sheet with opal acrylic diffuser/ Extruded al. Housing CRCA front frame opal diffuser/CRCA power coated housing with high efficiency translucent diffuser.								
	Operating voltage-150 V to 265 V, AC supply or better.								
	Input frequency-50 Hz + 1 Hz								
	Power factor-Minimum 0.95								
	Luminaire efficacy->100 lm/w								
	Color rendering index-CRI shall be 80 (minimum)								
	Working/ operating temperature-0 to + 45c or better								
	Color temperature-6000K to 6500K								
	Electronic Driver								
	Drive current (LED)-As per OEM.								

	Operating voltage-150 V to 265 V AC supply or better								
	Type of driver-Constant current output driver								
	THD-Less than 10%								
	Surge Protection-2.5 KV minimum								
	Efficiency Driver->85%								
	Protection-Shall have under voltage and over voltage protection.								
	Guarantee of LED fittings including LED driver-2 years against manufacturing defect.								
	Fixture-Should comply with LM 79 test from NABL/JUL lab.								
	LED Type/ Maker/ Model-Power CREE/ OSRAM/ NICHIU Philips LUMILED with life more than 50,000 burning hours @70% lumen maintenance complying with LM 80 test report from the manufacturer.								
	Life of LED-50000 burning hours at 70% lumen maintenance								
8.01	Round LED Down Light Surface > 1200 Lumens.					each	549.00	Rupees Six Hundred Forty Nine Only	22066.00
8.02	Round LED Down Light Surface > 2400 Lumens.					each	1196.00	Rupees One Thousand One Hundred Ninety Six Only	46644.00
9	Providing and installation of following type of recess mounting 2 feet by 2 feet type LED Panel with PDC/CRCA housing ,anti glare prismatic multilayer diffuser complete with all accessories, connections, testing etc. as required: of Approved Make Bajaj, Havells, Goldmedal, Panasonic, Phillips, Wipro, LT & Chengli. Wattage of LED fittings- As per following parameters Total Lumens of the fittings-4320 Lumens. Diffuser-Prismatic multilayer diffuser UGR<19 Operating voltage-140 V to 270 V, AC supply or better. Input frequency-50 Hz + 1 Hz Power factor-Minimum 0.90 Luminaire efficiency> 120 lm/w Color rendering index-CRI shall be 80 Working/ operating temperature-0 to + 45c or better Color temperature-6000K to 10% Electronic Driver Drive current (LED)-As per OEM. Operating voltage-140 V to 270 V AC supply or better Type of driver-Constant current output driver THD-Less than 10% Surge Protection-2.5 KV minimum Efficiency Driver->85% Protection-Shall have under voltage and over voltage protection. Guarantee of LED fittings including LED driver-2 years against manufacturing defect.								
	Fixture-Should comply with LM 79 test from NABL/JUL lab.								

LED Type/ Make/ Model-Power CREE/ OSRAM/ NICHIA/ Philips LUMILED with life more than 50,000 burning hours @70% lumen maintenance complying with LM 80 test report from the manufacturer.					
Life of LED-50000 burning hours at 70% lumen maintenance					
LED Panel 2x2 ~3600 Lumens.		1.00	each	6755.00	Rupees Six Thousand Seven Hundred Fifty Five Only
9.01					6755.00
1.01 Conditions:-				Total	99156.00
1.02 Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 700/- Only.					
1.03 It is certify that the tender is being called on emergency in exigency of Public interest.					
i	Quoted rates in Figures				
ii	Quoted rates in words				


 Executive Engineer,
 Electrical Division No.I.
 HP/PWD. Kasumpti, Shimla-9.

SCHEDULE OF QUANTITY

13
Estimated Cost Rs. :- 99621.00
Earnest Money Rs. :- 2000.00
Time:- Three Months

Name of work:- Providing special repair to E.I in Pine Grove Lokyukta, Block no,8set no-2, Block 9 set no-12, 3 set no-3. Driver Block set no-5,6,4. L I G Block Type I set no-3 Transit set no-12,3,5,1 at Rajbhawan under ESD-II Shimla-2.

Sl. No.	Items of work	Quantity	Rate		Amount.
			In figures	In words	
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in PVC casing & capping, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.				
1.1	Group A	16.00			
2	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.	13.00	Each	Rupees Three Hundred Twenty Three Only	4199.00
3	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.	7.00	Each	Rupees Four Hundred Ninety One Only	3437.00
4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in PVC casing & capping as required				
4.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	43.00	mtrs	Rupees One Hundred Eighty Six Only	7998.00
4.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	36.00	mtrs	Rupees Three Hundred Sixteen Only	11376.00
5	Providing and installation of following type of LED Batten with polycarbonate housing, anti glare polycarbonate diffuser, surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours, THD<15% in white finish and seprated energy efficient constant current, non-integral, electronic driver;relevent LM 79/80 compliance fromUN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make				
5.1	LED Batten Light 10W	2.00	Each	Rupees Five Hundred Sixty Three Only	1126.00
5.2	LED Batten Light 20W	23.00	Each	Rupees Six Hundred Forty Nine Only	14927.00
6	Providing and installation exhaust fan of following sizes in the existing opening, Double ball bearing type metal frame including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: of Approved Make Domestic type.				
6.1	Exhaust Fan, Light duty, (Domestic) 225/230 mm sweep	6.00	Each	Rupees Two Thousand Two Hundred Sixteen Only	13296.00
7	Providing and installation of following type of LED Bulk Head with PDC/CRCA housing (aluminium extrusion), anti glare polycarbonate diffuser, surge protection 2 KV luminaire efficacy > 85lm/Watt with minimum 50000 burning hours, THD<15% in white finish industrial grade IP 65 rated and seprated energy efficient constant current, non-integral, electronic driver;relevent LM 79/80 compliance fromUN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make				
7.1	LED Bulk Head Light 10W	3.00	Each	Rupees One Thousand One Hundred Fifty Seven Only	3471.00
7.2	Supplying and fixing PVC batten/ angle holder including connections etc. as required.	5.00	Each	Rupees One Hundred Two Only	510.00
8	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.				
8.1	5/6 amps switch	25.00	Each	Rupees Fifty Eight Only	1450.00
8.2	3 pin 5/6 A socket outlet	5.00	each	Rupees Sixty One Only	305.00
8.3	15/16 A switch	10.00	Each	Rupees One Hundred Six Only	1060.00
8.4	6 pin 15/16 A socket outlet	10.00	Each	Rupees One Hundred Thirty Seven Only	1370.00
9	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				

9.1	63 A DP	1.00	Each	1549.00	Rupees One Thousand Five Hundred Forty Nine Only	1549.00
10	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
10.1	Single pole	5.00	Each	315.00	Rupees Three Hundred Fifteen Only	1575.00
10.2	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	2.00	Each	208.00	Rupees Two Hundred Eight Only	416.00
11	Providing and installation of instant Electric water heater (Geyser) of various sizes with 8 bar pressure rating 3kw element and safety valve installation by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:-					
11.1	3 Liter capacity water heater (Cat-A)	1.00	Each	5327.00	Rupees Five Thousand Three Hundred Twenty Seven Only	5327.00
12	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes with 8 bar pressure rating Five star BEE rating and safety valve installation by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:-					
12.1	25 Liter capacity water heater (Cat-A)	1.00	Each	15090.00	Rupees Fifteen Thousand Ninety Only	15090.00
13	Supplying and Fixing of Capping of size 25 X 12mm with fire retardant properties, smooth finishing that ensures quick pulling of wire, thermally stable, corrosion free along with the accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit complete in all respects as required and approved by Engineer-in-charge					
13.1	25 mm	3.32	Mtrs	78.00	Rupees Seventy Eight Only	259.00
1.01	Conditions:-			Total		99621.00
1.01	Condition:- The Credit for old dismantled material will be recovered from the contractor on US basis @ Rs. 1000/- Only.					
1.02	It is certify that the tender is being called on emergency in exigency of Public interest.					
i	Quoted rates in Figures					
ii	Quoted rates in words					


 Executive Engineer,
 Electrical Division No.1.
 HP, PWD, Kasumpti, Shimla-9.

14

99799.00

2000.00

Time:- Two Months

Name of work:- Providing special repair to E.I in Block A Type IV set no -2,4,3,5, Block-B Type II set no-12 at Rajbhawan under ESD-II Shimla-2.					
Sl. No.	Items of work	Quantity	Rate		Amount.
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required.				
1.2	Group B	22.00	Point	1022.00	Rupees One Thousand Twenty Two Only 22484.00
2	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.	17.00	each	305.00	Rupees Three Hundred Five Only 5185.00
3	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.	10.00	each	441.00	Rupees Four Hundred Forty One Only 4410.00
4	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 2 Nos 6 pin 5/6 socket outlet and 2 Nos 5 Amp piano type switch, connections, painting etc. as required.	6.00	each	361.00	Rupees Three Hundred Sixty One Only 2166.00
5	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
5.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	31.00	Metre	209.00	Rupees Two Hundred Nine Only 6479.00
5.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	44.00	Metre	315.00	Rupees Three Hundred Fifteen Only 13860.00
5.3	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	10.00	Metre	523.00	Rupees Five Hundred Twenty Three Only 5230.00
5.4	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	7.00	Metre	558.00	Rupees Five Hundred Fifty Eight Only 3906.00
6	Providing and installation of following type of LED Batten with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours,THD<15% in white finish and seprated energy efficient constant current, non-integral, electronic driver,relevant LM 79/80 compliance fromUN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz. complete with all accessories, connections, testing etc. as required: of Approved Make				
6.1	LED Batten Light 10W	3.00	Each	541.00	Rupees Five Hundred Forty One Only 1623.00
6.2	LED Batten Light 20W	13.00	Each	631.00	Rupees Six Hundred Thirty One Only 8203.00

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7	Providing and installation of following type of LED Bulk Head with PDC/CRCA housing (aluminium extrusion), anti glare polycarbonate diffuser, surge protection 2 KV luminaire efficacy > 85lm/Watt with minimum 50000 burning hours, THD<15% in white finish industrial grade IP 65 rated and separated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required; of Approved Make	1.00	Each	1126.00	Rupees One Thousand One Hundred Twenty Six Only	1126.00
7.1	LED Bulk Head Light 10W	1.00	Each	1126.00	Rupees One Thousand One Hundred Twenty Six Only	1126.00
8	Providing and installation exhaust fan of following sizes in the existing opening. Double ball bearing type metal frame including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required; of Approved Make Domestic type.	5.00	Each	2156.00	Rupees Two Thousand One Hundred Fifty Six Only	10780.00
8.1	Exhaust Fan, Light duty, (Domestic) 225/230 mm sweep	5.00	Each	2156.00	Rupees Two Thousand One Hundred Fifty Six Only	10780.00
9	Providing and installation ventilating 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; of Approved Make	2.00	Each	2036.00	Rupees Two Thousand Thirty Six Only	4072.00
9.1	Ventilation Fan, 200 mm sweep	2.00	Each	2036.00	Rupees Two Thousand Thirty Six Only	4072.00
10	Supplying and fixing PVC batten/ angle holder including connections etc. as required.	9.00	each	89.00	Rupees Eighty Nine Only	801.00
	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with lined copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)					
11.1	16 way . Double door	1.00	Each	3164.00	Rupees Three Thousand One Hundred Sixty Four Only	3164.00
12	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.	1.00	Each	1479.00	Rupees One Thousand Four Hundred Seventy Nine Only	1479.00
12.1	63 A DP	1.00	Each	1479.00	Rupees One Thousand Four Hundred Seventy Nine Only	1479.00
13	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
13.1	63 A	1.00	Each	2812.00	Rupees Two Thousand Eight Hundred Twelve Only	2812.00
14	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
14.1	Single pole	8.00	Each	241.00	Rupees Two Hundred Forty One Only	1928.00

15	Supplying and fixing call bell/ buzzer suitable for single phase. 230 V. complete as required.	1.00	Each	91.00	Rupees Ninety One Only	91.00
1.01	Conditions:-					
1.02	Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 1000/- Only.					
1.03	It is certify that the tender is being called on emergency in exigency of Public interest.					
i	Quoted rates In Figures					
ii	Quoted rates in words					
				Total		99799.00


 Executive Engineer,
 Electrical Division No.I.
 H.P. PWD. Kasumpti, Shimla-9.

SCHEDULE OF QUANTITY

15

Estimated Cost Rs. :- 97775.00

Earnest Money Rs. :- 1950.00

Time:- Two Months

Name of work:- Providing Special repair to E.I type III set No. 12,21 type I set No. 212 at Kasumpti Shimla-9.

Sl. No.	Items of work	Quantity	Rate		Amount.
			In figures	In words	
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
1.1	Group A	19.00	Point	Rupees One Thousand Ninety Only	20710.00
2	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required.				
2.1	Group A	4.00	Point	Rupees Eight Hundred Fifty Two Only	3408.00
3	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.	16.00	Each	Rupees Three Hundred Five Only	4880.00
4	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.	11.00	Each	Rupees Four Hundred Forty One Only	4851.00
5	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in PVC casing & capping as required				
5.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	5.00	mters	Rupees One Hundred Eighty One Only	905.00
6	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.			Rupees NIL Only	0.00
6.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	27.00	mters	Rupees Three Hundred One Only	8127.00
6.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	32.00	mters	Rupees Four Hundred Seven Only	13024.00
6.3	2 X 10sq. mm + 1 X 6 sq. mm earth wire	1.00	Metre	Rupees Six Hundred Eighty Eight Only	688.00
6.4	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	17.00	Metre	Rupees Six Hundred Forty Five Only	10965.00
7	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
7.1	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	4.00	Metre	Rupees Three Hundred Fifteen Only	1260.00

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8	Providing and installation of following type of LED Batten with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours,THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver;relevant LM 79/80 compliance fromUN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make						
8.1	LED Batten Light 10W	2.00	Each	547.00	Rupees Five Hundred Forty Seven Only	1094.00	
8.2	LED Batten Light 20W	8.00	Each	631.00	Rupees Six Hundred Thirty One Only	5048.00	
9	Providing and installation of following type of Surface mounting square type LED Downlight with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 85lm/Watt with minimum 25000 burning hours,THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make						
9.1	Square LED Down Light 12W Surface	1.00	Each	1659.00	Rupees One Thousand Six Hundred Fifty Nine Only	1659.00	
10	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)						
10.1	16 way , Double door	1.00	Each	3164.00	Rupees Three Thousand One Hundred Sixty Four Only	3164.00	
11	Providing and installation of following type of LED Bulk Head with PDC/CRCA housing (aluminium extrusion), anti glare polycarbonate diffuser,surge protection 2 KV luminaire efficacy > 85lm/Watt with minimum 50000 burning hours,THD<15% in white finish industrial grade IP 65 rated and separated energy efficient constant current, non-integral, electronic driver;relevant LM 79/80 compliance fromUN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make						
11.1	LED Bulk Head Light 10W	1.00	Each	1126.00	Rupees One Thousand One Hundred Twenty Six Only	1126.00	
12	Providing and installation exhaust fan of following sizes in the existing opening, Double ball bearing type metal frame including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: of Approved Make Domestic type.						
12.1	Exhaust Fan, Light duty, (Domestic) 225/230 mm sweep	3.00	Each	2156.00	Rupees Two Thousand One Hundred Fifty Six Only	6468.00	
13	Providing and installation ventilating 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: of Approved Make						
13.1	Ventilation Fan, 200 mm sweep	1.00	Each	2036.00	Rupees Two Thousand Thirty Six Only	2036.00	
14	Supplying and fixing PVC batten/ angle holder including connections etc. as required.	3.00	Each	89.00	Rupees Eighty Nine Only	267.00	
15	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	1.00	Each	91.00	Rupees Ninety One Only	91.00	

16	Providing and installation of following type of Decorative LED bulb ; suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clips & loop in loop out wire, connections, testing and commissioning etc. as required. Make: Philips, Syska, GE, Bajaj, C&S, Jaguar, or any other approved by Engineer-in-Charge.	4.00	Each	123.00	Rupees One Hundred Twenty Three Only	492.00
16.1	LED bulb 9 watt					
17	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.	2.00	Each	1479.00	Rupees One Thousand Four Hundred Seventy Nine Only	2958.00
17.1	63 A DP					
18	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.	10.00	Each	241.00	Rupees Two Hundred Forty One Only	2410.00
18.1	Single pole					
19	Supplying and fixing of fancy wall bracket suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, lamp holder, but excluding lamp including making connections, testing etc. as required: of Approved Make	4.00	Each	536.00	Rupees Five Hundred Thirty Six Only	2144.00
19.1	Wall light fixture Polycarbonate body, suitable for 9 W retrofit LED lamp B22 base.					
1.01	Conditions:-			Total		9775.00
1.02	Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 1000/- Only.					
1.03	It is certify that the tender is being called on emergentnature in exigency of Public interest.					
i	Quoted rates in Figures					
ii	Quoted rates in words					


 Executive Engineer,
 Electrical Division No.I.
 HP. PWD, Kasumpti, Shimla-9.

SCHEDULE OF QUANTITY

16

Estimated Cost Rs. :- 99511.00
Earnest Money Rs. :- 2000.00
Time:- Two Months

Name of work:- Providing Special repair to E.I in Block No. 1 set No. 3, Block K set No. 5 Block I set No. 6, Block I set No. 6, Block I set No. 1, Block 5 set No. 3, Block 9 set No. 8 Bans court, Kristan Hall, NMH-7 at Raj bhawan Shimla-2.					
Sl. No.	Items of work	Quantity	Rate		Amount
			In figures	In words	
1	Wiring for light point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required.				
1.1	Group A	22.00	Point	Rupees Eight Hundred Fifty Two Only	18744.00
1.2	Group B	5.00	Point	Rupees One Thousand Twenty Six Only	5130.00
2	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.	19.00	each	Rupees Three Hundred Five Only	5795.00
3	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.	9.00	each	Rupees Four Hundred Forty One Only	3969.00
4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
4.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	35.00	Metre	Rupees Two Hundred Nine Only	7315.00
4.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	34.00	Metre	Rupees Three Hundred Fifteen Only	10710.00
4.3	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	18.00	Metre	Rupees Five Hundred Twenty Three Only	9414.00
4.4	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	4.00	Metre	Rupees Five Hundred Fifty Eight Only	2232.00
5	Providing and installation of following type of LED Batten with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours,THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver;relevent LM 79/80 compliance fromUN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make				
5.1	LED Batten Light 10W	2.00	Each	Rupees Five Hundred Forty One Only	1082.00
5.2	LED Batten Light 20W	20.00	Each	Rupees Six Hundred Thirty One Only	12620.00
6	Providing and installation of following type of Surface mounting square type LED Downlight with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 85lm/Watt with minimum 25000 burning hours,THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver; relevent LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make				
6.1	Square LED Down Light 12W Surface	2.00	Each	Rupees One Thousand Six Hundred Fifty Nine Only	3318.00
6.2	Square LED Down Light 18W Surface	2.00	each	Rupees One Thousand Eight Hundred Eleven Only	3622.00

7	Providing and installation of following type of LED Bulk Head with PDC/CRCA housing (aluminium extrusion), anti glare polycarbonate diffuser, surge protection 2 KV luminaire efficacy > 85lm/Watt with minimum 50000 burning hours, THD < 15% in white finish industrial grade IP 65 rated and separated energy efficient constant current, non-integral, electronic driver/relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make	3.00	Each	1126.00	Rupees One Thousand One Hundred Twenty Six Only	3378.00
7.1	LED Bulk Head Light 10W					
8	Providing and installation exhaust fan of following sizes in the existing opening. Double ball bearing type metal frame including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: of Approved Make Domestic type.					
8.1	Exhaust Fan, Light duty. (Domestic) 225/230 mm sweep	1.00	Each	2156.00	Rupees Two Thousand One Hundred Fifty Six Only	2156.00
9	Providing and installation ventilating 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: of Approved Make					
9.1	Ventilation Fan, 200 mm sweep	1.00	Each	2036.00	Rupees Two Thousand Thirty Six Only	2036.00
10	Supplying and fixing PVC batten/ angle holder including connections etc. as required.	1.00	each	89.00	Rupees Eighty Nine Only	89.00
11	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.					
11.1	5/6 amps switch	13.00	each	41.00	Rupees Forty One Only	533.00
11.2	3 pin 5/6 A socket outlet	11.00	each	59.00	Rupees Fifty Nine Only	649.00
11.3	15/16 A switch	6.00	each	94.00	Rupees Ninety Four Only	564.00
11.4	6 pin 15/16 A socket outlet	6.00	each	110.00	Rupees One Hundred Ten Only	660.00
12	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)					
12.1	8 way, Double door	1.00	Each	2300.00	Rupees Two Thousand Three Hundred Only	2300.00
13	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
13.1	63 A DP	1.00	Each	1749.00	Rupees One Thousand Seven Hundred Forty Nine Only	1749.00
14	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
14.1	Single pole	6.00	Each	241.00	Rupees Two Hundred Forty One Only	1446.00
1.01	Conditions:-			Total		99511.00
1.02	Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 1000/- Only.					
1.03	It is certify that the tender is being called on emergent/nature in exigency of Public interest.					
i	Quoted rates in Figures					
ii	Quoted rates in words					


Executive Engineer,
 Electrical Division No.I.
 H.P. PWD. Kasumpti, Shimla-9.

SCHEDULE OF QUANTITY

17

Estimated Cost Rs. :- 99964.00

Earnest Money Rs. :- 2000.00

Time:- Two Months

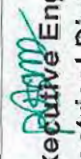
Name of work:- Providing Special repair to E.I in Room Chief Secy. CM Office, gate No.2, 3rd floor Ladies Bathe, Photostat, 108,207,102,113, 205,229,112,225, 313C,335, 223,205,219 Ground floor Ladies Bath , Room No.9 G.F, Reception Guard room at Ellerslie Shimla-2.

Sl. No.	Items of work	Quantity	Rate		Amount.
			In figures	In words	
1.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.				
1.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	1.00	301.00	Rupees Three Hundred One Only	301.00
1.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	45.00	407.00	Rupees Four Hundred Seven Only	18315.00
2.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in PVC casing & capping as required				
2.01	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	26.00	287.00	Rupees Two Hundred Eighty Seven Only	7462.00
3.00	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
3.01	2 x 4 sq. mm	11.00	144.00	Rupees One Hundred Forty Four Only	1584.00
4.00	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.				
4.01	Armoured cable 10 sq. mm (twin core)	31.00	262.00	Rupees Two Hundred Sixty Two Only	8122.00
5.00	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	3.00	544.00	Rupees Five Hundred Forty Four Only	1632.00
6.00	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.	10.00	441.00	Rupees Four Hundred Forty One Only	4410.00
7.00	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.	6.00	305.00	Rupees Three Hundred Five Only	1830.00
8.00	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	1.00	431.00	Rupees Four Hundred Thirty One Only	431.00
9.00	Supplying and fixing metal box of 225mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in FRLS including providing and fixing 3 No 3 pin 5/6 amps socket outlet and 3 No 5/6 amps piano type switch, connection, painting etc. as required.	6.00	544.00	Rupees Five Hundred Forty Four Only	3264.00
10.00	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.				
10.01	6 Module	1.00	164.00	Rupees One Hundred Sixty Four Only	164.00

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11.00	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.	2.00	Each	143.00	Rupees One Hundred Forty Three Only	286.00
11.01	15/16 A switch					
11.02	6 pin 15/16 A socket outlet	1.00	Each	186.00	Rupees One Hundred Eighty Six Only	186.00
12.00	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.					
12.01	25 mm	10.00	Metre	125.00	Rupees One Hundred Twenty Five Only	1250.00
13.00	Providing and installation of following type of LED Batten with polycarbonate housing, anti glare polycarbonate diffuser, surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours, THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make					
13.01	LED Batten Light 20W	4.00	Each	631.00	Rupees Six Hundred Thirty One Only	2524.00
14	Providing and installation ventilating 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: of Approved Make					
14.01	Ventilation Fan, 150 mm sweep	1.00	Each	1833.00	Rupees One Thousand Eight Hundred Thirty Three Only	1833.00
14.02	Ventilation Fan, 250 mm sweep	1.00	Each	2196.00	Rupees Two Thousand One Hundred Ninety Six Only	2196.00
15.00	Providing and installation exhaust fan of following sizes in the existing opening, Double ball bearing type metal frame including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: of Approved Make Domestic type.					
15.01	Exhaust Fan, Light duty, (Domestic) 225/230 mm sweep	1.00	Each	2156.00	Rupees Two Thousand One Hundred Fifty Six Only	2156.00
16.00	Providing and installation of following type of Surface mounting 2 feet by 2 feet type LED Panel with PDC/CRCA housing, anti glare prismatic multilayer diffuser, surge protection 2.5 KV luminaire efficacy > 120 lm/Watt with UGR<19 minimum 50000 burning hours, THD<10% in white finish and separated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make					
16.01	LED Panel 2X2 30 watt	1.00	Each	2973.00	Rupees Two Thousand Nine Hundred Seventy Three Only	2973.00
16.02	LED Panel 2X2 36 watt	2.00	each	3052.00	Rupees Three Thousand Fifty Two Only	6104.00
17.00	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with lined copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/isolator)					
17.01	8 way , Double door	1.00	Each	2570.00	Rupees Two Thousand Five Hundred Seventy Only	2570.00
18.00	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					

18.01	Single pole Supplying and fixing following raling, followings poles 10ka 240/415v 'C' curves miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.	4.00	Each	241.00	Rupees Two Hundred Forty One Only	964.00
19.00						
19.01	63 A DP	1.00	Each	1479.00	Rupees One Thousand Four Hundred Seventy Nine Only	1479.00
20.00	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
20.01	63 A	1.00	Each	2812.00	Rupees Two Thousand Eight Hundred Twelve Only	2812.00
21.00	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes with 8 bar pressure rating Five star BEE rating and safety valve installation by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:-					
21.01	6 Liter capacity water heater (Cat-A)	1.00	Each	10433.00	Rupees Ten Thousand Four Hundred Thirty Three Only	10433.00
22.00	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes with 8 bar pressure rating Five star BEE rating and safety valve installation by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:-					
22.01	25 Liter capacity water heater (Cat-A)	1.00	Each	14683.00	Rupees Fourteen Thousand Six Hundred Eighty Three Only	14683.00
1.01	Conditions:-			Total		99964.00
1.02	Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 1000/- Only.					
1.03	It is certify that the tender is being called on emergency nature in exigency of Public interest.					
i	Quoted rates in Figures					
ii	Quoted rates in words					


 Executive Engineer,
 Electrical Division No.I.
 H.P. PWD, Kasumpti, Shimla-9.

SCHEDULE OF QUANTITY

18

Estimated Cost Rs. :- 96709.00

Earnest Money Rs. :- 2000.00

Time:- Two Months

Name of work:- Providing Special repair to E.I type VI set No. 1,2,15 type V set No. 17,10,22 type IV set No. 40,11,17,18,31,48 type III set No. 113,76,44,70,124,125 type II set No. 2 Transit at Kasumpti Shimla-2.

Sl. No.	Items of work	Quantity	Rate		Amount.
			In figures	In words	
1.00	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in PVC casing & capping, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.				
1.10	Group A	4.00	Point	Rupees Seven Hundred Forty Six Only	2984.00
2.00	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required.				
2.10	Group A	3.00	Point	Rupees Eight Hundred Fifty Two Only	2556.00
2.20	Group B	10.00	Point	Rupees One Thousand Twenty Six Only	10260.00
3.00	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.	18.00	Each	Rupees Three Hundred Five Only	5490.00
4.00	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.	16.00	Each	Rupees Four Hundred Forty One Only	7056.00
5.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in PVC casing & capping as required				
5.10	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	9.00	mtrs	Rupees One Hundred Eighty One Only	1629.00
5.20	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	25.00	mtrs	Rupees Two Hundred Eighty Seven Only	7175.00
6.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
6.10	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	16.00	mtrs	Rupees Two Hundred Nine Only	3344.00
6.20	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	6.00	mtrs	Rupees Three Hundred Fifteen Only	1890.00
6.30	4 X 4 sq. mm + 1 X 4 sq. mm earth wire	5.00	mtrs	Rupees Five Hundred Twenty Three Only	2615.00

SEE

7.00	Providing and installation of following type of LED Batten with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours,THD<15% in white finish and seprated energy efficient constant current, non-integral, electronic driver;relevant LM 79/80 compliance fromUN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make								
7.10	LED Batten Light 10W	5.00	Each	547.00				Rupees Five Hundred Forty Seven Only	2735.00
7.20	LED Batten Light 20W	20.00	Each	631.00				Rupees Six Hundred Thirty One Only	12620.00
8.00	Providing and installation of following type of Surface mounting round type LED Downlight with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 85lm/Watt with minimum 25000 burning hours,THD<15% in white finish and seprated energy efficient constant current, non-integral, electronic driver relevant LM 79/80 compliance from UN/NABL Lab; suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make								
8.10	Square LED Down Light 12W Surface	1.00	Each	1659.00				Rupees One Thousand Six Hundred Fifty Nine Only	1659.00
8.20	Square LED Down Light 24W Surface	1.00	Each	1887.00				Rupees One Thousand Eight Hundred Eighty Seven Only	1887.00
9.00	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/isolator)								
9.10	8 way , Double door	1.00	Each	2570.00				Rupees Two Thousand Five Hundred Seventy Only	2570.00
9.20	16 way , Double door	1.00	Each	3164.00				Rupees Three Thousand One Hundred Sixty Four Only	3164.00
10.00	Providing and installation of following type of LED Bulk Head with PDC/CRCA housing (aluminium extrusion), anti glare polycarbonate diffuser,surge protection 2 KV luminaire efficacy > 85lm/Watt with minimum 50000 burning hours,THD<15% in white finish industrial grade IP 65 rated and seprated energy efficient constant current, non-integral, electronic driver;relevant LM 79/80 compliance fromUN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make								
10.10	LED Bulk Head Light 10W	3.00	Each	1126.00				Rupees One Thousand One Hundred Twenty Six Only	3378.00
11.00	Providing and installation exhaust fan of following sizes in the existing opening, Double ball bearing type metal frame including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: of Approved Make Domestic type.								
11.10	Exhaust Fan, Light duty, (Domestic) 225/230 mm sweep	3.00	Each	2156.00				Rupees Two Thousand One Hundred Fifty Six Only	6468.00
12.00	Providing and installation ventilating 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: of Approved Make								
12.10	Ventilation Fan, 200 mm sweep	1.00	Each	2036.00				Rupees Two Thousand Thirty Six Only	2036.00
13.00	Supplying and fixing PVC batten/ angle holder including connections etc. as required.	10.00	Each	89.00				Rupees Eighty Nine Only	890.00

14.00	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.						
14.10	5/6 amps switch	9.00	Each	41.00	Rupees Forty One Only		369.00
14.20	2 way 5/6 A switch	2.00	Each	54.00	Rupees Fifty Four Only		108.00
14.30	15/16 A switch	9.00	Each	94.00	Rupees Ninety Four Only		846.00
14.40	3 pin 5/6 A socket outlet	6.00	Each	59.00	Rupees Fifty Nine Only		354.00
14.50	6 pin 15/16 A socket outlet	7.00	Each	110.00	Rupees One Hundred Ten Only		770.00
15.00	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	1.00	Each	91.00	Rupees Ninety One Only		91.00
16.00	Providing and installation of following type of Decorative LED bulb ; suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clips & loop in loop out wire, connections, testing and commissioning etc. as required. Make: Philips, Syska, GE, Bajaj, C&S, Jaguar, or any other approved by Engineer-in-Charge.						
16.10	LED bulb 9 watt	6.00	Each	123.00	Rupees One Hundred Twenty Three Only		738.00
17.00	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
17.10	63 A DP	3.00	Each	1479.00	Rupees One Thousand Four Hundred Seventy Nine Only		4437.00
18.00	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 KA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
18.10	Single pole	14.00	Each	241.00	Rupees Two Hundred Forty One Only		3374.00
19.00	Supplying and fixing of fancy wall bracket suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, lamp holder, but excluding lamp including making connections, testing etc. as required: of Approved Make						
19.10	Wall light fixture Polycarbonate body, suitable for 9 W retrofit LED lamp B22 base.	6.00	Each	536.00	Rupees Five Hundred Thirty Six Only		3216.00
1.01	Conditions:-			Total			96709.00
1.02	Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs.1000/- Only.						
1.03	It is to certify that the tender is being called on emergent nature in exigency of Public interest						

i Quoted rates In Figures
ii Quoted rates in words


Executive Engineer,
Electrical Division No.I.
Hq. PWD, Kasumpti, Shimla-9.

SCHEDULE OF QUANTITY

19

Estimated Cost Rs. :- 96106.00

Earnest Money Rs. :- 1950.00

Time:- Two Months

Name of work:-Providing special repair to E.I type III set No. 1,11,126,17,129,150,8, Transit, 105 type II set No. 3, 208,217,215,11,2
Servant Q No. 5 at Kasumpti Shimla-9.

Sl. No.	Items of work	Quantity	Rate		Amount.
			In figures	In words	
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in PVC casing & capping, with piano type switch, phenolic laminated sheet, suitable size M.S box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.				
1.1	Group A	12.00	Point	Rupees Seven Hundred Forty Six Only	8952.00
2	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required.				
2.1	Group A	14.00	Point	Rupees Eight Hundred Fifty Two Only	11928.00
3	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.	18.00	Each	Rupees Three Hundred Five Only	5490.00
4	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.	14.00	Each	Rupees Four Hundred Forty One Only	6174.00
5	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in PVC casing & capping as required 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	30.00	mtrs	Rupees One Hundred Eighty One Only	5430.00
5.1					
5.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	29.00	mtrs	Rupees Two Hundred Eighty Seven Only	8323.00
6	Providing and installation of following type of LED Batten with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours,THD<15% in white finish and seprated energy efficient constant current, non-integral, electronic driver;relevant LM 79/80 compliance fromLUN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make				
6.1	LED Batten Light 10W	3.00	Each	Rupees Five Hundred Forty Seven Only	1641.00
6.2	LED Batten Light 20W	14.00	Each	Rupees Six Hundred Thirty One Only	8834.00

7	Providing and installation of following type of Surface mounting round type LED Downlight with polycarbonate housing, anti glare polycarbonate diffuser, surge protection 2.5 KV luminaire efficacy > 85lm/Watt with minimum 25000 burning hours, THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver relevant LM 79/80 compliance from UN/NABL Lab; suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make	1.00	Each	1659.00	Rupees One Thousand Six Hundred Fifty Nine Only	1659.00
7.1	Square LED Down Light 12W Surface	1.00	Each	1887.00	Rupees One Thousand Eight Hundred Eighty Seven Only	1887.00
7.2	Square LED Down Light 24W Surface					
8	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)					
8.1	16 way, Double door	1.00	Each	3164.00	Rupees Three Thousand One Hundred Sixty Four Only	3164.00
9	Providing and installation of following type of LED Bulk Head with PDC/CRCA housing (aluminium extrusion), anti glare polycarbonate diffuser, surge protection 2 KV luminaire efficacy > 85lm/Watt with minimum 50000 burning hours, THD<15% in white finish industrial grade IP 65 rated and separated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make					
9.1	LED Bulk Head Light 10W	1.00	Each	1126.00	Rupees One Thousand One Hundred Twenty Six Only	1126.00
10	Providing and installation exhaust fan of following sizes in the existing opening, Double ball bearing type metal frame including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: of Approved Make Domestic type.					
10.1	Exhaust Fan, Light duty, (Domestic) 225/230 mm sweep	9.00	Each	2156.00	Rupees Two Thousand One Hundred Fifty Six Only	19404.00
11	Supplying and fixing PVC batten/ angle holder including connections etc. as required.	15.00	Each	89.00	Rupees Eighty Nine Only	1335.00
12	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.					
12.1	5/6 amps switch	17.00	Each	41.00	Rupees Forty One Only	697.00
12.2	15/16 A switch	8.00	Each	94.00	Rupees Ninety Four Only	752.00
12.3	3 pin 5/6 A socket outlet	4.00	Each	59.00	Rupees Fifty Nine Only	236.00
12.4	6 pin 15/16 A socket outlet	9.00	Each	110.00	Rupees One Hundred Ten Only	990.00
13	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	3.00	Each	91.00	Rupees Ninety One Only	273.00
14	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
14.1	63 A DP	3.00	Each	1479.00	Rupees One Thousand Four Hundred Seventy Nine Only	4437.00

15	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
15.1	Single pole	14.00	Each	241.00	Rupees Two Hundred Forty One Only	3374.00
1.01	Conditions:-			Total		96106.00
1.02	Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs 1000/- Only.					
1.03	It is to certify that the tender is being called on emergent nature in exigency of Public interest.					
i	Quoted rates in Figures					
ii	Quoted rates in words					


Executive Engineer,
Electrical Division No.1.
HP PWD, Kasumpti, Shimla-9.

SCHEDULE OF QUANTITY

20

Estimated Cost Rs. :-

99433.00

Earnest Money Rs. :-

2000.00

Time:-

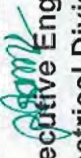
Two Months

Name of work:- Providing Special repair to E.I in Type IV set no-29,49,21. Type III set no- 19,148,140,20, 55,73,107,135,46,1 58,42,43, 162. Type II set no-14,22 at Kasumpti Shimla-9.

Sl. No.	Items of work	Quantity	Rate		Amount.
			In figures	In words	
1.00	Wiring for light point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in PVC casing & capping, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.				
1.10	Group A	3.00	Point	Rupees Seven Hundred Forty Six Only	2238.00
2.00	Wiring for light point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required.				
2.10	Group A	15.00	Point	Rupees Eight Hundred Fifty Two Only	12780.00
2.20	Group B	11.00	Point	Rupees One Thousand Twenty Six Only	11286.00
3.00	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.	15.00	Each	Rupees Three Hundred Five Only	4575.00
4.00	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.	20.00	Each	Rupees Four Hundred Forty One Only	8820.00
5.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in PVC casing & capping as required				
5.10	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	15.00	mtrs	Rupees One Hundred Eighty One Only	2715.00
5.20	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	10.00	mtrs	Rupees Two Hundred Eighty Seven Only	2870.00
5.30	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	1.00	mtrs	Rupees Four Hundred Seventy Six Only	476.00
6.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
6.10	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	2.00	mtrs	Rupees Two Hundred Nine Only	418.00
6.20	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	22.00	mtrs	Rupees Three Hundred Fifteen Only	6930.00

7.00	Providing and installation of following type of LED Batten with polycarbonate housing, anti glare polycarbonate diffuser, surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours, THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make	1.00	Each	547.00	Rupees Five Hundred Forty Seven Only	547.00
7.10	LED Batten Light 10W	5.00	Each	631.00	Rupees Six Hundred Thirty One Only	3155.00
7.20	LED Batten Light 20W					
8.00	Providing and installation of following type of Surface mounting square type LED Downlight with PDC/CRCA housing, anti glare polycarbonate diffuser, surge protection 2.5 KV luminaire efficacy > 100 lm/Watt with minimum 50000 burning hours, THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make	3.00	Each	1659.00	Rupees One Thousand Six Hundred Fifty Nine Only	4977.00
8.10	Square LED Down Light 12W Surface	2.00	Each	1811.00	Rupees One Thousand Eight Hundred Eleven Only	3622.00
8.20	Square LED Down Light 18W Surface	1.00	Each	2570.00	Rupees Two Thousand Five Hundred Seventy Only	2570.00
9.00	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with lined copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				Rupees NIL Only	
9.10	8 way , Double door					
10.00	Providing and installation exhaust fan of following sizes in the existing opening, Double ball bearing type metal frame including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: of Approved Make Domestic type.	6.00	Each	2156.00	Rupees Two Thousand One Hundred Fifty Six Only	12936.00
10.10	Exhaust Fan, Light duty, (Domestic) 225/230 mm sweep					
11.00	Providing and installation ventilating 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: of Approved Make	2.00	Each	2036.00	Rupees Two Thousand Thirty Six Only	4072.00
11.10	Ventilation Fan, 200 mm sweep	11.00	Each	89.00	Rupees Eighty Nine Only	979.00
12.00	Supplying and fixing PVC batten/ angle holder including connections etc. as required.	4.00	Each	41.00	Rupees Forty One Only	164.00
13.00	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.	3.00	Each	94.00	Rupees Ninety Four Only	282.00
13.10	5/6 amps switch	3.00	Each	59.00		177.00
13.20	15/16 A switch	1.00	Each	91.00	Rupees Ninety One Only	91.00
13.30	6 pin 15/16 A socket outlet					
14.00	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.					
15.00	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					

15.10	63 A DP	3.00	Each	1479.00	Rupees One Thousand Four Hundred Seventy Nine Only	4437.00
16.00	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
16.10	Single pole	13.00	Each	241.00	Rupees Two Hundred Forty One Only	3133.00
17.00	Providing and installation of instant Electric water heater (Geyser) of various sizes with 8 bar pressure rating 3kw element and safety valve installation by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:-					
17.10	3 Liter capacity water heater (Cat-A)	1.00	Each	5183.00	Rupees Five Thousand One Hundred Eighty Three Only	5183.00
	1.01 Conditions:-			Total		99433.00
	1.02 Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 1000/- Only.					
	1.03 It is to certify that the tender is being called on emergent nature in exigency of Public interest					
i	Quoted rates in Figures					
ii	Quoted rates in words					


 Executive Engineer,
 Electrical Division No.I.
 H.P. PWD. Kasumpti, Shimla-9.

DRAFT SCHEDULE OF QUANTITY

21

Estimated Cost Rs. :- 98612.00

Earnest Money Rs. :- 2000.00

Time:- Two Months

EE

Name of work:- C/O Car Parking at Bangala Colony Tehsil & Distt Shimla H.P (SH):- Providing Balance work of E.I. therein)

Sl. No.	Items of work	Quantity	Rate		Amount.
			In figures	In words	
1	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.				
1.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	103.00	204.00	Rupees Two Hundred Four Only	21012.00
2	Providing and Installation of following type of Surface mounting square type LED Downlight with polycarbonate housing, anti glare polycarbonate diffuser, surge protection 2.5 KV luminaire efficacy > 85lm/Watt with minimum 25000 burning hours, THD<15% in white finish and seprated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make				
	Wattlage of LED fittings- As per following parameters				
	Total lumens of the LED fittings- as per individual fittings mention below				
	Body of fittings-CRCA steel sheet with opal acrylic diffuser/ Extruded al. Housing CRCA front frame opal diffuser/CRCA power coated housing with high efficiency translucent diffuser.				
	Operating voltage-150 V to 265 V, AC supply or better.				
	Input frequency-50 Hz + 1 Hz				
	Power factor-Minimum 0.95				
	Luminaire efficacy->100 lm/w				
	Color rendering index-CRI shall be 80 (minimum)				
	Working/ operating temperature-0 to + 45c or better				
	Color temperature-6000K to 6500K				
	Electronic Driver				
	Drive current (LED)-As per OEM.				
	Operating voltage-150 V to 265 V AC supply or better				
	Type of driver-Constant current output driver				
	THD-Less than 10%				
	Surge Protection-2.5 KV minimum				
	Efficiency Driver->85%				
	Protection-Should have under voltage and over voltage protection.				
	Guarantee of LED fittings including LED driver-2 years against manufacturing defect.				
	Fixture-Should comply with LM 79 test from NABL/UL lab.				

	LED Type/ Make/ Model-Power GREE/ OSRAM/ NICHIA/ Philips LUMILED with life more than 50,000 burning hours @70% lumen maintenance complying with LM 80 test report from the manufacturer.						
2.01	Life of LED-25000 burning hours at 70% lumen maintenance Round LED Down Light Surface > 1500 Lumens.	40.00	each	1940.00	Rupees One Thousand Nine Hundred Forty Only	77600.00	
1.01	Conditions:- i Rates should be quoted for all heights including all leads and lifts for internal and external works for all floor levels. ii Useful materials should be handed over to the Assistant Engineer Electrical Sub Division No.1 Vidhan Sabha, otherwise credit for useful materials will be charged. iii Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to Bureau of Indian standards. i Quoted rates in Figures ii Quoted rates in words			Total		98612.00	

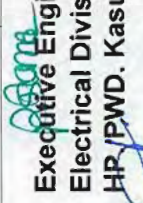
Executive Engineer,
Electrical Division No.1.
H.P. PWD. Kasumpti, Shimla-9.

SCHEDULE OF QUANTITY

22
Estimated Cost Rs. :- 98136.00
Earnest Money Rs. :- 2000.00
Time:- Two Months

Name of work:- Replacement of Batteries of 6KVA & 3KVA UPS installed in Speaker Office and Assembly Hall at Vidhan Sabha Shimla-4

Sl. No.	Items of work	Quantity	In figures	Rate		Amount.
				In words		
1.00	Providing and fixing 12V/18Ah SMF battery to the existing UPS system, battery must be able to generate 18AH energy in a single recharge, Nominal voltage 12v 300-400 cycle Minimum warranty of the battery should be of 2 year under standard operating condition, should be ISO90001,ISO 14001 certified,make: Amaron,Exide,Quanta or any other approved by the engineer in charge.	18	each	3697.5	Rupees Three Thousand Six Hundred Ninety Seven and Paise Fifty Only	59160.00
2.00	Providing and fixing 12V/42Ah SMF battery to the existing UPS system, battery must be able to generate 42AH energy in a single recharge, Nominal voltage 12v 300-400 cycle at 80S DOD, Minimum warranty of the battery should be of 2 year under standard operating condition, should be ISO90001,ISO 14001 certified,make: Amaron,Exide,Quanta or any other approved by the engineer in charge.	6	each	6496	Rupees Six Thousand Four Hundred Ninety Six Only	38976.00
1.01	Conditions:-			Total		98136.00
1.02	Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs.6100/- Only.					
1.03	It is to certify that the tender is being called on emergent nature in exigency of Public Interest					
i	Quoted rates in Figures					
ii	Quoted rates in words					


Executive Engineer,
Electrical Division No.I.
HP/PWD, Kasumpti, Shimla-9.

SCHEDULE OF QUANTITY

23

Estimated Cost Rs. :- 99913.00

Earnest Money Rs. :- 1950.00

Time:- Two Months

Name of work:- Providing special repair to E I Block D Room no- 319,515,514,513,322,142, Gents & Ladies Toilet 4th ,5th ,6th Floor, PWD Office, 5th Floor nodal Office room, Technical Section, Sport room, Conference room . Block ABC ACR Cell Room no- 503,502 . Block ABC Room no- 305,109,105,15,9,12,11 G.F at Nirman Bhawan Nigam Vihar Shimla-2.

Sl. No.	Items of work	Quantity	Rate		Amount.
			In figures	In words	
1	Wiring for light point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required.				
1.1	Group C	3.00	each	Rupees One Thousand One Hundred Twenty Three Only	3369.00
2	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.	2.00	each	Rupees Three Hundred Five Only	610.00
3	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	11.00	each	Rupees Three Hundred Sixty Five Only	4015.00
4	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	7.00	each	Rupees Five Hundred Forty Four Only	3808.00
5	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 nos. 3 pin 5/6 amps modular socket outlets and 2 nos 5/6 amps modular switches, connection etc. as required.	7.00	each	Rupees Three Hundred Sixty One Only	2527.00
6	Supplying and fixing metal box of 225mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in FRLSont including providing and fixing 3 No 3 pin 5/6 amps socket outlet and 3 No 5/6 piano type switch, connection, painting etc. as required.	1.00	each	Rupees Five Hundred Forty Four Only	544.00
7	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
7.1	3 x 1.5 sq. mm	7.00	mtrs	Rupees Ninety Three Only	651.00
7.2	3 x 4 sq. mm	12.00	mtrs	Rupees Two Hundred Five Only	2460.00
7.3	3X2.5 Sq mm	34.00	mtrs	Rupees One Hundred Thirty Seven Only	4658.00
8	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
8.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	2.00	mtrs	Rupees Two Hundred Nine Only	418.00
8.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	44.00	mtrs	Rupees Three Hundred Fifteen Only	13860.00
8.3	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	45.00	mtrs	Rupees Two Hundred Fifty Three Only	11385.00

9	Providing and installation of following type of LED Batten with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours,THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver;relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make	16.00	each	631.00	Rupees Six Hundred Thirty One Only	10096.00
9.1	LED Batten Light 20W					
10	Providing and installation of following type of LED Bulk Head with PDC/CRCA housing (aluminium extrusion), anti glare polycarbonate diffuser,surge protection 2 KV luminaire efficacy > 85lm/Watt with minimum 50000 burning hours,THD<15% in white finish industrial grade IP 65 rated and separated energy efficient constant current, non-integral, electronic driver;relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make	3.00	Each	1126.00	Rupees One Thousand One Hundred Twenty Six Only	3378.00
10.1	LED Bulk Head Light 10W					
11	Providing and installation of following type of Surface mounting square type LED Downlight with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 85lm/Watt with minimum 25000 burning hours,THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make	3.00	Each	1659.00	Rupees One Thousand Six Hundred Fifty Nine Only	4977.00
11.1	Square LED Down Light 12W Surface					
12	Providing and installation of following type of recess mounting 2 feet by 2 feet type LED Panel with PDC/CRCA housing ,anti glare prismatic multi layer diffuser,surge protection 2.5 KV luminaire efficacy > 120 lm/Watt with UGR<19 minimum 50000 burning hours,THD<10% in white finish and separated energy efficient constant current, non-integral, electronic driver;relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make	4.00	Each	3052.00	Rupees Three Thousand Fifty Two Only	12208.00
12.1	LED Panel 2x2 36 watt					
13	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.	3.00	Each	186.00	Rupees One Hundred Eighty Six Only	558.00
13.1	S.P. 15/16 amps, one way Piano switch, ISI marked					
14	Providing and Installation of Wall mounting fan of following sizes i/e hang the same in position on the wall,connections,testing and commissioning etc.as required with best satisfaction of Engineer in charge. Make: Havell's, Bajaj, Crompton Greaves, Usha, Kahitan etc.	2.00	each	3233.00	Rupees Three Thousand Two Hundred Thirty Three Only	6466.00
14.1	Wall Mounting Fan 400 mm sweep					
15	Providing and installation ventilating 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: of Approved Make	4.00	Each	2036.00	Rupees Two Thousand Thirty Six Only	8144.00
15.1	Ventilation Fan, 200 mm sweep					

16	Supplying and Fixing of Casing Capping of size 25 X 12mm with fire retardant properties, smooth finishing that ensures quick pulling of wire, thermally stable, corrosion free along with the accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit complete in all respects as required and approved by Engineer-in-charge	3.00	mtrs	86.00	Rupees Eighty Six Only	258.00
16.1	25 mm					
17	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.					
17.1	20 mm	6.00	Metre	108.00	Rupees One Hundred Eight Only	648.00
17.2	25 mm	15.00	mtrs	125.00	Rupees One Hundred Twenty Five Only	1875.00
1.01	Conditions:-			Total		96913.00
1.02	Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs.1000/- Only.					
1.03	It is to certify that the tender is being called on emergent nature in exigency of Public Interest.					
i	Quoted rates in Figures					
ii	Quoted rates in words					


 Executive Engineer,
 Electrical Division No.I.
 HP PWD, Kasumpti, Shimla-9.

SCHEDULE OF QUANTITY

24

Estimated Cost Rs. :- 99625.00
Earnest Money Rs. :- 2000.00
Time:- Two Months

Name of work:- Providing Special repair to E.I Room No. Block ABC, 104,206,108 Ground Floor room No. 8,13 1, Basement room No. 2,7 Old Conference Hall, Third Floor corridor at Nirman Bhawan Nigam Vidhar Shimla-2.

Sl. No.	Items of work	Quantity	Rate		Amount.
			In figures	In words	
1.00	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	2.00	Each	Rupees Four Hundred Thirty One Only	862.00
2.00	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.	2.00	each	Rupees Three Hundred Five Only	610.00
3.00	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.	9.00	each	Rupees Four Hundred Forty One Only	3969.00
4.00	Supplying and fixing metal box of 225mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 No 3 pin 5/6 amps socket outlet and 3 No 5/6 amps piano type switch, connection, painting etc. as required.	9.00	each	Rupees Five Hundred Forty Four Only	4896.00
5.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
5.10	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	20.00	mtrs	Rupees Two Hundred Nine Only	4180.00
5.20	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	40.00	mtrs	Rupees Three Hundred Fifteen Only	12600.00
5.30	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	58.00	mtrs	Rupees Two Hundred Fifty Three Only	14674.00
5.40	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	18.00	mtrs	Rupees Five Hundred Twenty Nine Only	9522.00
6.00	Providing and installation of following type of LED Batten with polycarbonate housing ,anti glare polycarbonate diffuser, surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours, THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver, relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make				
6.10	LED Batten Light 20W	4.00	each	Rupees Six Hundred Thirty One Only	2524.00
7.00	Providing and installation of following type of LED retrofit lamp B-22/E14/E27 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: Philips, Syska, GE, Bajaj, C&S, Panasonic or any other approved by Engineer-in-Charge.				
7.10	LED Bulb 9W	3.00	each	Rupees One Hundred Sixty Two Only	486.00

8.00	Providing and installation of following type of Surface mounting square type LED Downlight with polycarbonate housing, anti glare polycarbonate diffuser, surge protection 2.5 KV luminaire efficacy > 85lm/Watt with minimum 25000 burning hours, THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver, relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make	7.00	Each	1887.00	Rupees One Thousand Eight Hundred Eighty Seven Only	13209.00
8.10	Square LED Down Light 24W Surface					
9.00	Providing and installation of following type of recess mounting 2 feet by 2 feet type LED Panel with PDC/CRCA housing, anti glare prismatic multi-layer diffuser, surge protection 2.5 KV luminaire efficacy > 120 lm/Watt with UGR<19 minimum 50000 burning hours, THD<10% in white finish and separated energy efficient constant current, non-integral, electronic driver, relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make	1.00	Each	3052.00	Rupees Three Thousand Fifty Two Only	3052.00
9.10	LED Panel 2x2 36 watt	3.00	Each	359.00	Rupees Three Hundred Fifty Nine Only	1077.00
10.00	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.					
11.00	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.	7.00	Each	164.00	Rupees One Hundred Sixty Four Only	1148.00
11.10	6 Module					
12.00	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.					
12.10	5/6 amps switch	11.00	each	41.00	Rupees Forty One Only	451.00
12.20	3 pin 5/6 amp socket outlet	9.00	Each	59.00	Rupees Fifty Nine Only	531.00
12.30	S.P. 15/16 amps, one way Piano switch, ISI marked	5.00	Each	94.00	Rupees Ninety Four Only	470.00
12.30	3 pin 15/16 amp socket outlet	5.00	Each	110.00	Rupees One Hundred Ten Only	550.00
13.00	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.					
13.10	Armoured cable 10 sq. mm (twin core)	25.00	mtr	262.00	Rupees Two Hundred Sixty Two Only	6550.00
14.00	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)					
14.10	8 way, Double door	2.00	Each	2570.00	Rupees Two Thousand Five Hundred Seventy Only	5140.00
15.00	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
15.10	63 A DP	2.00	each	1479.00	Rupees One Thousand Four Hundred Seventy Nine Only	2958.00
16.00	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 KA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				Rupees NIL Only	0.00

16.10	Single pole	9.00	each	241.00	Rupees Two Hundred Forty One Only	2169.00
17.00	Supplying and Fixing of Casing Capping of size 25 X 12mm with fire retardant properties, smooth finishing that ensures quick pulling of wire, thermally stable corrosion free along with the accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit complete in all respects as required and approved by Engineer-in-charge				Rupees NIL Only	0.00
17.10	25 mm	8.00	mtrs	86.00	Rupees Eighty Six Only	688.00
18.00	Providing and fixing following raling, four pole, 415 volts, On-Load change over switch unit, panel mounting, front handle operation, including drilling holes in the cubical, making connections, etc. as required.					
18.10	100 A TPN, On Load Change over switch (Panel mounted type)	1.00	Each	7309.00	Rupees Seven Thousand Three Hundred Nine Only	7309.00
	1.01 Conditions:-			Total		99625.00
	1.02 Rates are including of all taxes, all heights all leads and lifts for internal and external works for all floor levels.					
	1.03 Useful materials should be handed over to the Assistant Engineer Electrical Sub Division No.II Shimla-2, otherwise credit for useful materials will be charged.					
	1.04 Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of Indian standards.					

i Quoted rates in Figures

ii Quoted rates in words

Executive Engineer,
Electrical Division No.I.
HP/EPWD, Kasumpti, Shimla-9.

SCHEDULE OF QUANTITY

25

Estimated Cost Rs. :- 97953.00

Earnest Money Rs. :- 1950.00

Time:- Two Months

Name of work:- Providing special repair to EI in Cabinet Hall & replacement of defective switchgear in Ellerslie Building at HP Sectt Shimla-2.

Sl. No.	Items of work	Quantity	In figures	Rate		Amount.
				In words		
1.00	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	4.00	each	Rupees Four Hundred Six Only		1624.00
2.00	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3nos 3 pin 5/6 A modular socket outlet and 2 nos 5/6 A modular switch, connections etc. as required.	1.00	each	Rupees One Thousand Seventy Eight Only		1078.00
3.00	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	2.00	Each	Rupees Six Hundred Twenty Two Only		1244.00
4.00	Supplying and drawing following sizes of PVC insulated round sheathed & multicore annealed bare copper conductor Flexible cable in the existing surface/ recessed steel/ PVC conduit as required.					
4.10	2.5 Sq mm 3 core	55.00	Metre	Rupees One Hundred Forty Three Only		7865.00
5.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.					
5.10	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	64.00	Metre	Rupees Two Hundred Four Only		13056.00
5.20	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	42.00	Metre	Rupees Two Hundred Sixty Two Only		11004.00
5.30	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	13.00	Metre	Rupees Four Hundred Fifty Seven Only		5941.00
6.00	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including outting the wall and making good the same in case of recessed conduit as required.					
6.10	32 mm	18.00	Metre	Rupees One Hundred Eighteen Only		2124.00
7.00	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with lined copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)					
7.10	8 way , Double door	1.00	Each	Rupees Two Thousand Six Hundred Fifty Only		2650.00
8.00	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
8.10	63 A DP	1.00	Each	Rupees One Thousand Five Hundred Forty Nine Only		1549.00
9.00	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					

9.10	Single pole		4.00	Each	315.00	Rupees Three Hundred Fifteen Only	1260.00
10.00	S/F of MCCB 3 Pole 415 Volt. with Thermal Magnetic Release for overload and short circuit protection breaking Capacity (Ics=100% Icu with positive isolation) with/ without Spreader/ Rotary Handle.						
10.10	MCCB 200 Amp. 10 ka 3 Pole Release without rotary handle		2.00	Each	11137.00	Rupees Eleven Thousand One Hundred Thirty Seven Only	22274.00
11.00	S/F of MCCB 4 Pole 415 Volt. with Thermal Magnetic Release for overload and short circuit protection breaking Capacity (Ics=100% Icu with positive isolation) with/ without Spreader/ Rotary Handle.						
11.10	MCCB 4 Pole 415 Volt 200 Amp		1.00	Each	26284.00	Rupees Twenty Six Thousand Two Hundred Eighty Four Only	26284.00
1.01	Conditions:-				Total		97953.00

i Rates should be quoted for all heights including all leads and lifts for internal and external works for all floor levels.

ii Useful materials should be handed over to the Assistant Engineer Electrical Sub Division No.II, Sectt. Shimla-2 otherwise credit for useful materials will be charged.

iii Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of Indian standards.

i Quoted rates in Figures

ii Quoted rates in words


 Executive Engineer,
 Electrical Division No.I.
 HP. PWD. Kasumpti, Shimla-9.

SCHEDULE OF QUANTITY

26

Estimated Cost Rs. :- 99412.00

Earnest Money Rs. :- 2000.00

Time:- Two Months

Name of work:- Providing Special repair to E.I in Yats place G.F set No. 1,2 ENC out house, tuoirmy out house, set No.3 type III set No. 6,12 RajBhawan, Type III Store line set No.5,6 Type II set No.3 Barns court at Raj Bhawan Shimla-2.

Sl. No.	Items of work	Quantity	Rate		Amount.
			In figures	In words	
1.00	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
1.01	Group A	8.00	Point	Rupees One Thousand Ninety Only	8720.00
2.00	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required.				
2.01	Group A	2.00	Point	Rupees Eight Hundred Fifty Two Only	1704.00
3.00	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in PVC casing & capping, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.				
3.01	Group A	1.00	Point	Rupees Seven Hundred Forty Six Only	746.00
4.00	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.	16.00	Each	Rupees Three Hundred Five Only	4880.00
5.00	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.	8.00	Each	Rupees Four Hundred Forty One Only	3528.00
6.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in PVC casing & capping as required				
6.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	32.00	mtrs	Rupees One Hundred Eighty One Only	5792.00
6.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	15.00	mtrs	Rupees Two Hundred Eighty Seven Only	4305.00
7.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.				
7.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	8.00	mtrs	Rupees Three Hundred One Only	2408.00
7.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	25.00	mtrs	Rupees Four Hundred Seven Only	10175.00

7.03	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	6.00	534.00	606.00	Rupees Six Hundred Six Only	3636.00
8.00	Providing and installation of following type of LED Batten with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours,THD<15% in white finish and seprated energy efficient constant current, non-integral, electronic driver;relevant LM 79/80 compliance fromUN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make					
8.01	LED Batten Light 10W	5.00	Each	547.00	Rupees Five Hundred Forty Seven Only	2735.00
8.02	LED Batten Light 20W	20.00	Each	631.00	Rupees Six Hundred Thirly One Only	12620.00
9.00	Providing and installation of following type of Surface mounting square type LED Downlight with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 85lm/Watt with minimum 25000 burning hours, THD<15% in white finish and seprated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make					
9.01	Square LED Down Light 12W Surface	3.00	Each	1659.00	Rupees One Thousand Six Hundred Fifty Nine Only	4977.00
9.02	Square LED Down Light 18W Surface	7.00	Each	1811.00	Rupees One Thousand Eight Hundred Eleven Only	12677.00
10.00	Providing and installation of following type of LED Bulk Head with PDC/CRCA housing (aluminium extrusion), anti glare polycarbonate diffuser,surge protection 2 KV luminaire efficacy > 85lm/Watt with minimum 50000 burning hours,THD<15% in white finish industrial grade IP 65 rated and seprated energy efficient constant current, non-integral, electronic driver;relevant LM 79/80 compliance fromUN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make					
10.01	LED Bulk Head Light 10W	1.00	Each	1126.00	Rupees One Thousand One Hundred Twenty Six Only	1126.00
11.00	Supplying and fixing PVC batten/ angle holder including connections etc. as required.	4.00	Each	89.00	Rupees Eighty Nine Only	356.00
12.00	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.					
12.01	5/6 amps switch	44.00	Each	41.00	Rupees Forty One Only	1804.00
12.02	3 pin 5/6 A socket outlet	13.00	each	59.00	Rupees Fifty Nine Only	767.00
12.03	15/16 A switch	11.00	Each	94.00	Rupees Ninety Four Only	1034.00
12.04	6 pin 15/16 A socket outlet	9.00	Each	110.00	Rupees One Hundred Ten Only	990.00
13.00	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
13.01	63 A DP	1.00	Each	1479.00	Rupees One Thousand Four Hundred Seventy Nine Only	1479.00
14.00	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
14.01	Single pole	8.00	Each	241.00	Rupees Two Hundred Forty One Only	1928.00
15.00	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	5.00	Each	91.00	Rupees Ninety One Only	455.00

16.00	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/isolator)	1.00	Each	2570.00	Rupees Two Thousand Five Hundred Seventy Only	2570.00
16.01	8 way, Double door					
17.00	Providing and installation of instant Electric water heater (Geyser) of various sizes with 8 bar pressure rating 3kw element and safety valve installation by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:-	1.00	Each	5183.00	Rupees Five Thousand One Hundred Eighty Three Only	5183.00
17.01	3 Liter capacity water heater (Cat-A)					
18.00	Supplying and Fixing of Casing Capping of size 25 X 12mm with fire retardant properties, smooth finishing that ensures quick pulling of wire thermally stable, corrosion free along with the accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit complete in all respects as required and approved by Engineer-in-charge					
18.01	25 mm	8.00	Mtrs	86.00	Rupees Eighty Six Only	688.00
19.00	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.					
19.01	6 Module	3.00	Each	164.00	Rupees One Hundred Sixty Four Only	492.00
20.00	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
20.01	5/6 amps switch	2.00	Each	88.00	Rupees Eighty Eight Only	176.00
20.02	3 pin 5/6 A socket outlet	2.00	Each	114.00	Rupees One Hundred Fourteen Only	228.00
20.03	15/16 A switch	3.00	Each	143.00	Rupees One Hundred Forty Three Only	429.00
20.04	6 pin 15/16 A socket outlet	3.00	Each	186.00	Rupees One Hundred Eighty Six Only	558.00
21.00	Providing and installation of following type of Decorative LED batten with aluminium housing, anti glare polycarbonate diffuser and energy efficient constant current, integral electronic driver; suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clips & loop in loop out wire, connections, testing and commissioning etc. as required. Make: Philips, Syska, GE, Bajaj, C&S, Jaguar, or any other approved by Engineer-in-Charge.					
21.01	LED Bulb 9 watt	2.00	each	123.00	Rupees One Hundred Twenty Three Only	246.00
1.01	Conditions:-			Total		99412.00
1.02	Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 1000/- Only.					
1.03	It is to certify that the tender is being called on emergent nature in exigency of Public interest.					
i	Quoted rates in Figures					
ii	Quoted rates in words					


Executive Engineer,
Electrical Division No.1.
HP. PWD. Kasumpti, Shimla-9.

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SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 99621.00
Earnest Money Rs. :- 2000.00

Time:- Two Months

Name of work:- Providing Special repair to E.I in LIG Block type I set no. 3, LIG Transit set No. 12,15 Jakhu, Servant Q No. 32, Block No. 1 set No. 1,2 Block No. 2 set No. 25,26 HPPWD Sub Division -2 Benmore, mainfield Lodge, Forest Lodge, Police Guard room, Yats Cottage, Ground floor set No. 1 Yats Place at Raj Bhawan Shimla-2.

Sl. No.	Items of work	Quantity	Rate		Amount.
			In figures	In words	
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required.				
1.1	Group B	1.00	1026.00	Rupees One Thousand Twenty Six Only	1026.00
2	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in PVC casing & capping, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.				
2.1	Group A	8.00	746.00	Rupees Seven Hundred Forty Six Only	5968.00
3	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.	23.00	305.00		7015.00
4	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.	9.00	441.00	Rupees Four Hundred Forty One Only	3969.00
5	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in PVC casing & capping as required				
5.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	33.00	181.00	Rupees One Hundred Eighty One Only	5973.00
5.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	34.00	287.00	Rupees Two Hundred Eighty Seven Only	9758.00
6	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
6.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	5.00	209.00	Rupees Two Hundred Nine Only	1045.00
6.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	13.00	315.00	Rupees Three Hundred Fifteen Only	4095.00
7	Providing and installation of following type of LED Batten with polycarbonate housing, anti glare polycarbonate diffuser, surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours, THD<15% in white finish and seprated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make				

7.1	LED Batten Light 10W	5.00	Each	541.00	Rupees Five Hundred Forty One Only	2705.00
7.2	LED Batten Light 20W	18.00	Each	631.00	Rupees Six Hundred Thirty One Only	11358.00
8	Providing and installation of following type of Surface mounting square type LED Downlight with polycarbonate housing, anti glare polycarbonate diffuser, surge protection 2.5 KV luminaire efficacy > 85lm/Watt with minimum 25000 burning hours, THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make					
8.1	Square LED Down Light 12W Surface	5.00	Each	1659.00	Rupees One Thousand Six Hundred Fifty Nine Only	8295.00
8.2	Square LED Down Light 18W Surface	3.00	Each	1811.00	Rupees One Thousand Eight Hundred Eleven Only	5433.00
9	Providing and installation exhaust fan of following sizes in the existing opening, Double ball bearing type metal frame including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: of Approved Make Domestic type.					
9.1	Exhaust Fan, Light duty, (Domestic) 225/230 mm sweep	5.00	Each	2156.00	Rupees Two Thousand One Hundred Fifty Six Only	10780.00
10	Providing and installation of following type of LED Bulk Head with PDC/CRCA housing (aluminium extrusion), anti glare polycarbonate diffuser, surge protection 2 KV luminaire efficacy > 85lm/Watt with minimum 50000 burning hours, THD<15% in white finish industrial grade IP 65 rated and separated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make					
10.1	LED Bulk Head Light 10W	3.00	Each	1126.00	Rupees One Thousand One Hundred Twenty Six Only	3378.00
11	Supplying and fixing PVC batten/ angle holder including connections etc. as required.	2.00	Each	89.00	Rupees Eighty Nine Only	178.00
12	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.					
12.1	5/6 amps switch	23.00	Each	41.00	Rupees Forty One Only	943.00
12.2	3 pin 5/6 A socket outlet	4.00	each	59.00	Rupees Fifty Nine Only	236.00
12.3	15/16 A switch	5.00	Each	94.00	Rupees Ninety Four Only	470.00
12.4	6 pin 15/16 A socket outlet	3.00	Each	110.00	Rupees One Hundred Ten Only	330.00
13	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	1.00	Each	91.00	Rupees Ninety One Only	91.00
14	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
14.1	Single pole	3.00	Each	241.00	Rupees Two Hundred Forty One Only	723.00
15	Providing and installation of instant Electric water heater (Geyser) of various sizes with 8 bar pressure rating 3kw element and safety valve installation by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:-					
15.1	3 Liter capacity water heater	1.00	Each	5183.00	Rupees Five Thousand One Hundred Eighty Three Only	5183.00
16	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.					

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16.1	6 Module	3.00	Each	164.00	Rupees One Hundred Sixty Four Only	492.00
17	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
17.1	5/6 amps switch	3.00	Each	88.00	Rupees Eighty Eight Only	264.00
17.2	3 pin 5/6 A socket outlet	2.00	Each	114.00	Rupees One Hundred Fourteen Only	228.00
17.3	15/16 A switch	3.00	Each	143.00		429.00
17.4	6 pin 15/16 A socket outlet	3.00	Each	186.00	Rupees One Hundred Eighty Six Only	558.00
18	Providing and installation ventilating 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: of Approved Make					
18.1	Ventilation Fan, 150 mm sweep	1.00	Each	1833.00	Rupees One Thousand Eight Hundred Thirty Three Only	1833.00
19	Providing and installation of following type of Decorative LED Bulb with aluminium housing, anti glare polycarbonate diffuser and energy efficient constant current, integral electronic driver; suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clips & loop in loop out wire, connections, testing and commissioning etc. as required. Make: Philips, Syska, GE, Bajaj, C&S, Jaguar, or any other approved by Engineer-in-Charge.					
19.1	LED Bulb 9 watt	2.00	each	162.00	Rupees One Hundred Sixty Two Only	324.00
20	Providing and installation of following type of LED updown light suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories if required including connections, testing and commissioning etc. as required. Make: Philips, Syska, GE, Bajaj, C&S, Jaguar, or any other approved by Engineer-in-Charge.					
20.1	LED UP & Down Light	1.00	each	1132.00	Rupees One Thousand One Hundred Thirty Two Only	1132.00
21	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.					
21.1	Armoured cable 6 sq. mm (twin core)	15.00	Metre	262.00	Rupees Two Hundred Sixty Two Only	3930.00
22	Supplying and fixing following rating, following poles 10ka 240/415v 'C' curves miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					0.00
22.1	63 A DP	1.00	Each	1479.00	Rupees One Thousand Four Hundred Seventy Nine Only	1479.00
1.01	Conditions:-			Total		99621.00
1.02	Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs.1000/- Only.					
1.03	It is to certify that the tender is being called on emergent nature in exigency of Public interest.					
i	Quoted rates in Figures					
ii	Quoted rates in words					

Executive Engineer,
Electrical Division No.1.
HP PWD, Kasumpti, Shimla-9.

SEE

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 28.00
Earnest Money Rs. :- 86031.00
Time:- Two Months

Name of work:- Providing Charging Station Near Gate No. 3 at HP Vidhan sabha complex Shimla - 4

Sl. No.	Items of work	Quantity	In figures	Rate		Amount.
				In words		
1.00	Supplying and fixing Higher Rating (80 to 125A) 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
1.01	MCB DP 50/63 A 'C' curve	2.00	each	1479.00	Rupees One Thousand Four Hundred Seventy Nine Only	2958.00
2.00	Supplying and fixing following way, CRCA sheet steel enclosure, IP 30 - Metal Door, RAL9003, powder coated, suitable for surface and flush mounting, with provision to mount MCB/isolator/RCCB/RCCBO and other modular devices, including interconnections, earthing etc. as required. (But without MCB/RCCB/isolator etc.)					
2.01	4 way , Double door	1.00	each	1174.00	Rupees One Thousand One Hundred Seventy Four Only	1174.00
3.00	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.					
3.01	25 mm	36.00	Meter	221.00	Rupees Two Hundred Twenty One Only	7956.00
4.00	Providing laying & fixing of 1 No. Copper conductor, PVC insulated and PVC sheathed, unarmoured/XLPE Power cable, working voltage 1100 Volts Grade on surface etc. of the required size, complete in all respect making connections, testing etc. as required make Plaza Cable, Havells or as approved by Engineer in charge. Copper conductor cable 25 sq mm single core unarmoured.	80.00	Meter	546.00	Rupees Five Hundred Forty Six Only	43680.00
5.00	Earthing with advance chemical of copper electrode dia 50mm, length of rod 2mtr/2000mm with NABL certification with 25kg of BFC Silica bag including accessories, and providing masonry enclosure with cover plate having locking arrangements etc. as required.	1.00	each	11113.00	Rupees Eleven Thousand One Hundred Thirteen Only	11113.00

6.00	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.					
6.01	Armoured cable 16 sq. mm (four core)	50.00	Meter	383.00	Rupees Three Hundred Eighty Three Only	19150.00
	1.01 Conditions:-			Total		86031.00
	1.02 Rates are including of all taxes, all heights all leads and lifts for internal and external works for all floor levels.					
	1.03 Useful materials should be handed over to the Assistant Engineer Electrical Sub Division No. I Vidhan Sabha, otherwise credit for useful materials will be charged.					
i	Quoted rates in Figures					
ii	Quoted rates in words					


 Executive Engineer,
 Electrical Division No.I.
 H.P. PWD. Kasumpti, Shimla-9.

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 92496.20
Earnest Money Rs. :- 1850.00
Time:- Two Months

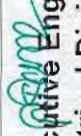
Name of work:- Providing special repair to E.I in Crèche, Admin block Ground and first floor, Police Gumti, Advocate General Building at HP High court Shimla-2.

Sl. No.	Items of work	Quantity	Rate		Amount.
			In figures	In words	
1.00	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
1.10	Group C	6.00	Point	Rupees One Thousand Two Hundred Eighty Three Only	7698.00
2.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
2.10	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	23.00	Meter	Rupees Two Hundred Nine Only	4807.00
2.20	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	34.80	Meter	Rupees Three Hundred Fifteen Only	10962.00
2.30	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	10.80	Meter	Rupees Five Hundred Twenty Four Only	5659.20
3.00	Supplying and fixing suitable size GI box with modular plate and cover in front on surface, or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	1.00	each	Rupees Four Hundred Thirty One Only	431.00
4.00	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	3.00	each	Rupees Five Hundred Forty Four Only	1632.00
5.00	Supply & Erection of LED long Luminaries PDC/CRCA housing complete in all respect to be installed on surface with the help of Steel rawl plug etc. The fitting should be of Philips/ Wipro/ Bajaj/ Trilux/ Lighting Technology/ Crompton/ Havells/ Panasonic/ Jaquar make only. The job includes the cost of testing, commissioning and making connection with copper wire from adjacent light point, other petty material and labour etc. as required to complete the same to the entire satisfaction of EIC. Specification of LED fittings:				
5.01	Wattage of LED fittings- As per following parameters				
5.02	Total lumens of the LED fittings- as per individual fittings mention below				
5.03	Body of fittings-CRCA steel sheet with opal acrylic diffuser/ Extruded al. Housing CRCA front frame opal diffuser/CRCA power coated housing with high efficiency translucent diffuser.				
5.04	Operating voltage-140 V to 270 V, AC supply or better.				
5.05	Input frequency-50 Hz + 1 Hz				

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5.06	Power factor-Minimum 0.95								
5.07	Luminaire efficacy->85 lm/w								
5.08	Color rendering index-CRI shall be 80 (minimum)								
5.09	Working/ operating temperature-0 to + 45c or better								
5.10	Color temperature-6000K to 6500K								
5.11	Electronic Driver								
5.12	Drive current (LED)-As per OEM.								
5.13	Operating voltage-150 V to 265 V AC supply or better								
5.14	Type of driver-Constant current output driver								
5.15	THD-Less than 15%								
5.16	Surge Protection-2.5 KV minimum								
5.17	Efficiency Driver->85%								
5.18	Protection-Should have under voltage and over voltage protection.								
5.19	Guarantee of LED fittings including LED driver-2 years against manufacturing defect.								
5.20	Fixture-Should comply with LM 79 test from NABL/UL lab.								
5.21	LED Type/ Make/ Model-Power CREE/ OSRAM/ NICHIA/ Philips LUMILED with life more than 50,000 burning hours @70% lumen maintenance complying with LM 80 test report from the manufacturer.								
5.22	Life of LED-25000 burning hours at 70% lumen maintenance								
5.23	Round LED Down Light Surface > 1500 Lumens.	2.00	each	1981.00				Rupees One Thousand Nine Hundred Eighty One Only	3982.00
6.00	Supplying and fixing PVC batten/ angle holder including connections etc. as required.	9.00	each	89.00				Rupees Eighty Nine Only	801.00
7.00	Installation of ventilating /exhaust fan in the existing opening, including making good BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor the damage, connection, testing, commissioning etc. as required. Supply & Erection of Ventilating Fan) following size complete with motor,, with minimum power consumption, rigid frame with rubber mounting for silent operation, in the existing opening including cost of making the hole to suit the size of above fan making good the damage, Carriage Charges connection, testing, commissioning etc. as required to complete the job to the entire satisfaction of EIC.								
7.10	Exhaust Fan, 200 mm sweep	1.00	each	2732.00				Rupees Two Thousand Seven Hundred Thirty Two Only	2732.00
7.20	Exhaust Fan, 250 mm sweep	11.00	each	2910.00				Rupees Two Thousand Nine Hundred Ten Only	32010.00
8.00	Supplying and fixing HRC fuse cylindrical conforms to IEC 60269-2 IS 13703 Range 2A to 800A, 415V, AC 50 Hz cylindrical 63 Amp with breaking capacity 80KA for type HF as required complete in all respects.	12.00	each	469.00				Rupees Four Hundred Sixty Nine Only	5628.00

9.00	Supplying and fixing HRC Bottle fuse link suitable for type FN 32/63 Amp offset A1L as required complete in all respects	4.00	each	150.00	Rupees One Hundred Fifty Only	600.00
10.00	Providing and fixing following rating, four pole, 415 volts, On-Load change over switch unit, panel mounting, front handle operation, including drilling holes in the cubical, making connections, etc. as required.					
10.10	125 amps, TPN	1.00	each	15574.00	Rupees Fifteen Thousand Five Hundred Seventy Four Only	15574.00
1.01	Conditions:-			Total		92496.20
1.02	Rates are including of all taxes, all heights all leads and lifts for internal and external works for all floor levels.					
1.03	Useful materials should be handed over to the Assistant Engineer Electrical Sub Division No.I Vidhan Sabha, otherwise credit for useful materials will be charged.					
I	Quoted rates in Figures					
II	Quoted rates in words					


 Executive Engineer,
 Electrical Division No.I.
 HP PWD, Kasumpti, Shimla-9.