



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-AB –Tender /2023-24

- 6 774-76

Dated:- 9/2/24

To

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

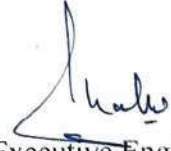
Subject: - Publication of Tender Notice.

Sir,

Jai Hind

Please find herewith the tender notice of works as given in the notice inviting Tender for uploading on department website as per Notification vide Pr. Secy. (PW) to Govt. of Himachal Pradesh letter No. PBW(B)1 2020 dated 27th May 2021 and PBW(B)A(3)/2020 dated 16th July 2021 and even file date 12.01.2023 as the works mentioned in the tender Notice is (are) urgent in nature and public interest.

DA: - As above.


Executive Engineer
Electrical Division No-I
HPPWD Shimla-171009.

1. Copy to the Superintending Engineer, Electrical Circle, Shimla for information please.
2. Copy to the Computer cell O/O the Executive Engineer (IT Cell) Nirman Bhawan Nigam Vihar Shimla-2.

✓
Executive Engineer
Electrical Division No-I
HPPWD Shimla-171009.



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

"Notice Inviting Tender"

Sealed percentage rate tenders on form No. 6 & 7 are invited by the Executive Engineer, Electrical Division No.1, HPPWD Shimla-9 for the following works on behalf of Governor of Himachal Pradesh from approved and eligible contractors enlisted in HPPWD Electrical, so as to reach in this office on or before 19/02/2024 up to 10.30 AM and will be opened on the same day at 11.30 AM in the presence of the intending contractors or their authorized representatives. The tender form can be had from this office against cash payment (Non-refundable) up to 01.00 PM on dated - 17/02/2024.

Sr. No.	Name of Work	Estimated Cost	EMD	Time:	Cost of Tender	Class of contractor Eligible
1	R/O of 4 Nos. Lifts in HP High Court Shimla for the year 2023-24 (w.e.f 01.03.2024 to 31.12.2024)	Rs. 4,72,860/-	9500/-	Nine Months	350/-	B&C
2	Providing Staff for running of electrical enquiry in Residential & Non residential Building at H.P High Court Shimla for the year 2023-24 (w.e.f 01-03-2024 to 31.12.2024).	Rs. 4,21,830/-	8500/-	Nine Months	350/-	B&C
3	Providing A/A to E.I to E.I in set No. 20, Block-12 set No. 7 Block-29 set No. 6 type-IV Block-1 & set No. 8 type-V at U.S. Club Shimla-2.	Rs. 2,16,858/-	4400/-	Three Months	350/-	C&D
4	Replacement of old unserviceable/ Damaged FCU in Hon'ble Speaker Office with new FCU (Decorative Fancy Low Noise) in HP Vidhan Sabha Shimla-4.	Rs. 4,29,548/-	8600/-	Three Months	350/-	B&C
5	Conversation of Store into residential accommodation as set No. 35,2GF-Type-I set No. 35/1, type-I,II,III sets and replacement of Main Switches, Armoured cable in Block-35B type-II (6 No. Sets) Nabha at Shimla-4 (SH:- Providing E.I therein).	Rs. 1,91,225/-	3900/-	Three Months	350/-	C&D
6	Providing Special repair/Additional alternation to E.I in various sets (Block No. 33 set No. 7,8,9,10,11,13 block No. 24 set No. 2,16 & Block No. 20 set No. 2,7 etc. (Type III, IV, V at U.S Club Shimla.	Rs. 2,98,014/-	6000/-	Three Months	350/-	C&D

7	Providing Special repair of E.I in old Industries building at Bamloe Now occupied by HP High Court at Shimla (SH:- Providing Special repair of main L.T Panel and laying cable tray in various floor therein).	Rs. 4,63,535/-	9300/-	Three Months	350/-	B&C
8	C/O Multistory parking Near Sankat Mochan Temple (SH:- Providing Solar Lights therein).	Rs. 4,46,042/-	9000/-	Six Months	350/-	B&C
9	Providing Special Repair/ Additional alteration of E.I in room No. 36 in Blood Bank, ENT AWRD and providing & installation of AC in audiology room at DDU Shimla.	Rs. 2,02,526/-	4100/-	One months	350/-	C&D
10	Providing rewiring in set No. 1, & set No. 8 at Lalpani and Peon residence (Dental) at DDU Shimla.	Rs. 1,33,276/-	2700/-	One months	350/-	C&D
11	Providing Special repair to Central heating System in Armsdale Building Phase-II at HP Sectt. Shimla-2 (Replacement of damage/ unserviceable valves and pressure Gauges therein).	Rs. 4,51,969/-	9100/-	Three Months	350/-	specialized
12	C/O Multi Storey Parking and office Accommodation at Secretariat Shimla (Armsdale Phase-III) (SH:- Providing Changeover Panels for 2 No. 250 KVA DG sets installed therein).	Rs. 2,33,022/-	4700/-	Three Months	350/-	specialized
13	Providing Special repair to E.I in Block No. 1 set No. 1, Block No.1 set No. 4, Block No. 1 set No. 8,4,6,3 Block No..2 set No. 6 Knollswood Chotta Shimla-2.	Rs. 1,11,377/-	2300/-	One Months	350/-	C&D
14	Providing Special repair to E.I in Type III Block B set No. 12,10 Block 8 set No. 2, Block 3 set No. 3, Block 10 set No. 6, Block 9 set No. 10, Transit set No. 11,16 sudtt. Block Set No. 4, Driver's Block set No. 3,2,6,4 Block 2 set No. 5, Block 1 set No. 4,5 and LIG Block 2 set No. 12 Barnes Court Shimla-2.	Rs. 1,53,808/-	3100/-	One Months	350/-	C&D
15	Providing Special repair to E.I in type VI set No.2,4,7 Type V set No. 11,12a, 14,19,21 Type IV Set No. 20,19, 18,22, 42, Type III set No. 33,6,10, 118,26, 66,22,146,161, 127,19,2,132,100 type II set No. 20,162,213,Kasumpti Type VI set	Rs. 2,65,201/-	5400/-	Three Months	350/-	C&D

	no. 12,18,9,8,12,23 type IV set No. 10,14,17,3, type III set No. 22,3 type II set No. 18 type I set No. 10,13 Servant Q No. 1 Melhi type IV set No. 26, Type II set No. 4,6 Trasit Rani Ground Shimla-9.					
16	Providing Special Repair to E.I in Yatts Cottage, New Minister house 1,2,9A,7,6 Kriston Hall and Benmore 5 at Shimla-2.	Rs. 1,88,660/-	3800/-	Three Months	350/-	C&D
17	Providing special Repair/ Additional to E.I in Judicial Academy at Ghandal Shimla.	Rs.1,38,387/-	2800/-	Three Months	350/-	C&D
18	Providing L.T Panel/Sub Panel for energy meters and Replacement Old sub-main, with cable in Royal Hotel Block-A type-II (Nabha at Shimla-4.	Rs. 2,51,713/-	5100/-	Three Months	350/-	C&D
19	Renovation of Toilet in G round floor at Block ABC, providing E.I in crèche and special repair in various rooms at HPPWD Headquarter Nirman Bhawan Nigam Vihar Shimla (H.P).	Rs. 1,52,837/-	3100/-	Three Months	350/-	C&D

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 favour 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 SaleTex 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. II HPPWD Shimla-9 reserves the right to reject any tender without assigning any reasons(s)
4. The case charge @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 11.30 a.m.

13. GST will be deducted as per rates fixed by the Government.

CERTIFICATE:-

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

Executive Engineer
Electrical Division No-I
HPPWD Shimla-171009.

No. PW-ED-II-GA-Tender/2023-2024- 6768-73

Dated:- 09-02-2024

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 Shimla-171009.

DRAFT SCHEDULE OF QUANTITY						
Estimated Cost:- Rs.4,72,860/- only Earnest Money:- Rs. 9500/- only Time:- Nine Months						
Name of work:- R/O of 4 Nos. Lifts in H.P. High Court Shimla For the year 2023-24. (w.e.f. 1-03-2024 to 31-12-2024.)						
S.No.	Description of Items	Qty.	Unit	Rate		Amount
				In Figures	In words	
1	Engagement of Skilled T-Mate/ operator for running and operation of lifts Including handelling the elevators skillfully , ensuring smooth functioning of lifts, avoiding overloading the finally to escape the users in case of any odd situation under intimation to the Engg. in charge at site.	30.00	p/month	15762	Rupees Fifteen Thousand Seven Hundred SixtyTwo Only	472860

Terms and Condition :-

Terms and Condition :-	
1	This contract shall cover the annual ie 10 months running, operation and testing of the 4 Nos lift as per the scope of the work contained in the main abstract
2	No payment will be made if the lift is still stand/not operated more than 72 Hours
3	The work shall be carried out as per direction and up to the satisfaction of Engineer - in - Charge
4	Contractor should submit the detail of person employed to the department with the ID proof of their qualification, ID card dully issued by the contractor/firm/Department/Chief Electrical Inspector Kasumpti Shimla along with duty roster
Total:-	
472860	

Draft Schedule of Quantity approved for Rs. 4,72,860/- only.
(Rs. Four lakh Seventy Two Thousand Eight hundred Sixty only.)

[Signature]
Executive Engineer,
Electrical Division No.
PPWD, Shimla-171001

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DRAFT SCHEDULE OF QUANTITY						Estimated Cost:- Rs.4,21,830/- only
						Earnest Money:- Rs. 8500/- only
						Time:- Nine Months
Name of work:- Providing staff for running of electrical enquiry in Residential & Non Residential buildings at H.P High Court Shimla For the year 2023-24. (w.e.f. 01-03-2024 to 31-12-2024.)						
S.No.	Description of Items	Qty.	Unit	Rate		Amount
				Figures	In words	
1	Engagement of Electricians/ Technicians/T-Mate in residential & non residential buildings to Assemble, install, test, and maintain electrical or electronic wiring, equipment, appliances, apparatus, and fixtures, using hand tools and power tools, Diagnose malfunctioning systems, apparatus, and components, using test equipment and hand tools, to locate the cause of a breakdown and correct the problem, Inspect electrical systems, equipment, and components to identify hazards, defects, and the need for adjustment or repair, to test electrical systems and continuity of circuits in electrical wiring, equipment, and fixtures, using testing devices such as ohmmeters, voltmeters,Meggar etc, repair or replace wiring, equipment, and fixtures, using hand tools and power tools.Work from ladders, scaffolds, and roofs to install, maintain or repair electrical wiring, equipment, and fixtures, Placing conduit (pipes or tubing) inside designated partitions, walls, or other concealed areas, and pull insulated wires or cables through the conduit to complete circuits between boxes. Perform physically demanding tasks, such as digging trenches to lay conduit and moving and lifting heavy objects, Provide assistance during emergencies by operating floodlights and generators etc or any other directions given by engineer in charge. For the period w.e.f. 01-03-2024 to 31-12-2024.	10.00	p/month	42183	Rupees FourtyTwo Thousand One Hundred EightyThree Only	421830
	Note:- The Electricians/ Technicians/T-mate & Trained helper should possess ITI certificate in wiremen/ Electrician trade done through a regular course from an institution recognized by the H.P. Govt.					
1.02	Terms and conditions:-					
1.03	Contractor will engage 3 No. Electrician-II from 9.00 am to 5.00 p.m. or as required by the controlling officer in case of emergency for attending the complaints of area under Electrical subdivision HP.Sectt.					
1.04	The staff employed should be trained and must have done ITI in Electrician Trade, should have knowledge of wiring, repair and maintenance and other basic technical terminology. Preferably should have experience in E.I. related works					
1.05	Competent Electrician will be required to attend break down call as and when intimated with the least possible time but not more than 24 hours in any case, there is no limit of break down calls. The sole responsibility shall be of the firm to keep the whole system in running condition round the clock.					
1.06	The work shall be carried out as per direction and up to the satisfaction of Engineer-in-Charge.					
Total:-						421830

Draft Schedule of Quantity approved for Rs. 4,21,830/- only.
(Rs. Four lakh Twenty one Thousand Eight hundred Thirty only).

Executive Engineer,
Electrical Division No. 1,
PPWD, Shimla-171001

DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs. 2,16,858/- only

Earnest Money:- Rs. 4400/- only

Time:- Three Months

Name of work:- Providing A/A to E.I in Set No 20,Block-12. Set no 7,block-29 .Set No 6 Type- IV Block 1 & Set No 8 Type V at U.S Club Shimla-2.

S.No.	Description of Items	Qty.	Unit	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	19	Each	823	Rupees Eight Hundred TwentyThree Only	15637
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	58	P/Mtr.	171	Rupees One Hundred SeventyOne Only	9952
2.02	2 X 4 sq. mm + 1 X 4 sq. mm	70	P/Mtr.	269	Rupees Two Hundred SixtyNine Only	18938
2.03	4 X 4 sq. mm + 2 X 4 sq. mm	21	P/Mtr.	452	Rupees Four Hundred FiftyTwo Only	9492
2.04	2 X 6 sq. mm + 1 X 6 sq. mm	5	P/Mtr.	363	Rupees Three Hundred SixtyThree Only	1815
2.05	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	15	P/Mtr.	518	Rupees Five Hundred Eighteen Only	7770
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 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).	16	Each	272	Rupees Two Hundred SeventyTwo Only	4352
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 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.	14	Each	414	Rupees Four Hundred Fourteen Only	5796
5.00	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.					
5.01	Single pole. Cat-A.	14	Each	257	Rupees Two Hundred FiftySeven Only	3598
5.02	Double pole Cat-A.	2	Each	1429	Rupees One Thousand Four Hundred TwentyNine Only	2858

6.00	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	5	Each	170	Rupees One Hundred Seventy Only	850
7.00	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					
7.01	LED Batten Light 10W					
7.02	LED Batten Light 20 W	7	Each	586	Rupees Five Hundred EightySix Only	4102
		16	Each	798	Rupees Seven Hundred NinetyEight Only	12768
8.00	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 seprated 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					
8.01	Square LED Panel Light 30W Surface	3	Each	3380	Rupees Three Thousand Three Hundred Eighty Only	10140
8.02	Square/round LED Panel Light 15/18W Surface	5	Each	2054	Rupees Two Thousand FiftyFour Only	10270
8.03	Square/round LED Panel Light 18/20W Surface	5	Each	2158	Rupees Two Thousand One Hundred FiftyEight Only	10790
9.00	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					
9.01	Exhaust Fan, Light duty, (Domestic) 300 mm sweep	4	Each	2090	Rupees Two Thousand Ninety Only	8360
10.00	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:-					
10.01	25 Liter capacity water heater (Cat-A)	1	Each	12753	Rupees Twelve Thousand Seven Hundred FiftyThree Only	12753
10.02	15 Liter capacity water heater (Cat-A)	1	Each	9478	Rupees Nine Thousand Four Hundred SeventyEight Only	9478
10.03	6 Liter Capacity water heater	1	Each	10405	Rupees Ten Thousand Four Hundred Five	10405
10.04	3 Liter capacity water heater	1	Each	5665	Rupees Five Thousand Six Hundred SixtyFive Only	5665
11.00	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					

11.01	Wall light fixture Polycarbonate body, suitable for 9 W LED lamp B22 base.	16	Each	1094	Rupees One Thousand NinetyFour Only	17504
12.00	Supplying and fixing brass batten/ angle holder including connection etc. as required.	3	Each	104	Rupees One Hundred Four Only	312
13.00	Providing and installation of following type of Led Bulk Head 10 watt in white finish with anti glare polycarbonate diffuser and seprated 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	4	Each	1732	Rupees One Thousand Seven Hundred ThirtyTwo Only	6928
14.00	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.					
14.01	5/6 amps switch	93	Each	43	Rupees FourtyThree Only	3999
14.02	3 pin 5/6 amps socket outlet	30	Each	68	Rupees SixtyEight Only	2040
14.03	15/16 amp switch	23	Each	124	Rupees One Hundred TwentyFour Only	2852
14.04	6 pin 15/16 socket outlet	23	Each	134	Rupees One Hundred ThirtyFour Only	3082
14.05	Bell push	3	Each	61	Rupees SixtyOne Only	183
15.00	Providing and fixing Led lamp adore plus 9 W B22 of havells or any other approved make.	8	Each	163	Rupees One Hundred SixtyThree Only	1304
16.00	Providing and fixing following size of backalite sheets as below:-					
16.01	5*5	19	Each	35	Rupees ThirtyFive Only	665
16.02	8*5	23	Each	50	Rupees Fifty Only	1150
16.03	10*5	15	Each	70	Rupees Seventy Only	1050
	Total:-					216858

Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 1500/- Only.

*Draft Schedule of Quantity approved for Rs. 2,16,858/-only.
(Rs. Two lakh Sixteen Thousand Eight hundred Fifty Eight only).*

Waly.
Executive Engineer,
Electrical Division No -
PPWD, Shimla-17100

DRAFT SCHEDULE OF QUANTITY						
<div>Estimated Cost:- Rs.4,29,548/- only</div> <div>Earnest Money:- Rs.8600 /- only</div> <div>Time:- Three Months</div>						
Name of work:- Replacement of Old Unserviceable/Damaged FCU in Hon'ble Speaker Office with new FCU (Decorative Fancy Low Noise) in HP Vidhan Sabha Shimla-4.						
S.No.	Description of Items	Qty.	Unit	Rate		Amount
				In Figures	In words	
1	Supplying, Installation, testing & commissioning of Decorative (fancy) low noise factory built cabinet type, floor mounted single skin hot water FCU suitable to give of 4500 kcal heat output at 60deg inlet water temperature complete with centrifugal blower mounted on double shaft motor of suitable for operation on single phase 230 V 50 Hz AC supply complete with Cu. tube Al. tinned hot water coil. drain pan inlet filter washable type with synthetic media complete with three speed control, ABS grill on in and out air, 3/4 " brass ball valve with strainer on inlet and 3/4 " brass wall valve on outlet complete with all necessary connections as required: (Gaps Iti/ Rapidcool/Dyna flow/Utratherm.	7	each	56087	Rupees Fifty Thousand & Eighty Seven Only.	392609
2	Providing and fixing of brass valve set size 19mm x5/8 with strainer one side flare & other side socket end suitable for 95 degree temperature with teflone seat complete as required.	7	each	5277	Rupees Five Thousand Two Hundred Seventy Seven Only.	36939
Total:-						429548

Draft schedule of Quantity approved for Rs. 4,29,548/- only
(R.S. - Four lakh Twenty Nine Thousand Five hundred Forty Eight)

Waher
Executive Engineer,
Electrical Division No.
GPPWD, Shimla-171001

DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs.1,91,225/- only
Earnest Money:- Rs. 3900/- only
Time:- Three Months

Name of work:- Conversion of Store into residential accomodation as set no. 35/2GF – Type I, Set No. 35/1 Type I, II, III Sets and Replacement of Main Switches, Armoured cable in Block-35B type-II (6 no.sets) Nabha at Shimla 4. (SH:- Providing E.I. therein).

S.No.	Description of Items	Qty.	Unit	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.					
1.01	Group A	16	point	716.00	Rupees Seven Hundred Sixteen Only	11456
2	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	44	Meter	171.00	Rupees One Hundred SeventyOne Only	7524
2.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	36	Meter	269.00	Rupees Two Hundred SixtyNine Only	9684
2.03	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	29	Meter	452.00	Rupees Four Hundred FiftyTwo Only	13108
2.04	2 X 10.0 sq. mm + 1 X 6 sq. mm earth wire	50	Meter	518.00	Rupees Five Hundred Eighteen Only	25900
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.	10	each	272.00	Rupees Two Hundred SeventyTwo Only	2720
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.	7	each	414.00	Rupees Four Hundred Fourteen Only	2898
5	Supplying and fixing PVC batten/ angle holder including connection etc. as required.	2	each	87.00	Rupees EightySeven Only	174
6	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	2	each	170.00	Rupees One Hundred Seventy Only	340
7	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. Cat-A.	9	each	257.00	Rupees Two Hundred FiftySeven Only	2313

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)					
8.01	12 way , Double door	1	each	2692	Rupees Two Thousand Six Hundred NinetyTwo Only	2692
9	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.					
9.01	MCB DP 50/63 A 'C' curve	1	each	1429	Rupees One Thousand Four Hundred TwentyNine Only	1429
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					
10.01	Exhaust Fan, Light duty, (Domestic) 225 mm sweep	1	each	1848.00	Rupees One Thousand Eight Hundred FourtyEight Only	1848
11	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					
11.01	LED Batten Light 20W	5	each	798	Rupees Seven Hundred NinetyEight Only	3990
11.02	LED Batten Light 10W	1	each	586	Rupees Five Hundred EightySix Only	586
12	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	each	1004	Rupees One Thousand Four Only	4016
13	Providing and installation of following type of LED 9 W retrofit Lamp B-22 holder base with polycarbonate diffuser and aluminium heat sink including connections, testing and commissioning etc. as required. Make: Havelles ,Syska,Bajaj, Panasonic or any other approved by Engineer-in-Charge.					
13.01	LED 9 W retrofit Lamp	4	each	158	Rupees One Hundred FiftyEight Only	632
14	Supplying and fixing of following LED bulk head fitting with all accessories including making connections, testing etc. as required. Make:- Wipro, Havells, Philips, Panasonic or any other approved by Engineer-in-Charge. LED bulk head 10W	2	each	1362	Rupees One Thousand Three Hundred SixtyTwo Only	2724

15	Supplying, Installation, Testing and Commissioning of indoor s/door, Cubical sub Panel . The Panel shall be compartmentalized type having space and Arrangement for incoming and outgoing cables/bus ducting, switchgear, insulated and properly supported compartmentalized bus-bars, interconnection between bus bars and switchgear with auxiliary bus bars/insulated conductors/strips etc. It shall be Fabrication in 1.6MM. CRCA Sheet Powder Coating in Siemens Gray Shade, 75x40mm Channel Base Frame, Cable Entry will be Top & Bottom Suitable for Cable ,Lock, Rubber Gasket, hardware etc. . Aluminium E-91 Grade Main Bus Bar, Load wise Sub Feeder Bus Bar Colour Coated Heat Shrink Bus Bar sleeve Nut-Bolt, Washer ,Hardware etc. 100A. Aluminium E-91 Grade Main Bus Bar, Load wise Sub Feeder Bus Bar Colour Coated Heat Shrink Bus Bar sleeve Nut-Bolt, Washer ,Hardware etc. Approximate Size of panel . All busbar links, copper solid/ copper flexible wire interconnection busbar to MCCB/MCB to field side for cable termination shall be covered/ insulated with heat shrinkable sleeves of coloured coated Red, Yellow, Blue & Black. Power & Control Wiring will be (ISI 1100V) flame smoke FRLS PVC Single Core Copper Wire, Copper Lugs, PVC Sleeve, Ferruels Numbers, Hardware & Labour etc. & labour etc, gasket, doorlocks, reading glass, wooden, copper flexible door earth, legend plates etc, as per specification. The Panel shall include the following Switchgear & accessories; as per the Make of Schneider, L&T, Siemens, ABB etc.					
15.01	Main Incomer :-MCCB100A 3P 18KA/ 16KA TMR With O/L & S/C Protection(1No.), Spreader Terminal MCCB 100A 3P (1No.) Current Transformer (3Nos) ,Phase Indicating Lamp R Y B (3Nos) ,Control SP MCB (3Nos) ,Terminal Strip (1No)					
15.02	Outgoing:- Space for Space for KWH Meter Single Phase (6 No.) Backalite Sheet 6MM for KWH Meter Fixing (6 No.)					
15.03	Fabrication/Painting & Assembly					
15.04	Fabrication charges of cubical type, Indoor type, Single door, Wall mounted, fixed type, free standing single front, dust proof & compartmentalized Distribution Board made out of M.S. CRC Sheet 16G, duly painted with Siemens Grey Powder Coated Paint as per specification. Approximate Size					
15.05	Assembly Charges of 100A 4Strip Aluminium Busbar (Horizontal/ Vertical) & Earth stud (current density of Aluminium Busbar shall be 1mmx1mm=1.00 Amp.) Aluminium shall be Electric Grade , Busbar supports shall be DMC epoxy Insulators. All Busbars Links shall be covered/ insulated with Heat Shrinkable sleeves of coloured coded Red, Yellow, Blue & Black.					
15.06	Assembly Charges of Aluminium solid/ Copper flexible wire interconnection Busbar to MCCB & MCCB to field side for Cable termination duly covered/ insulated with Heat Shrinkable sleeves of coloured coded Red, Yellow, Blue & Black. All Interconnections of fields side are supported by conical, L & Finger type insulators of adequate size to support & sustain the weight of cables.					
15.07	Control Wiring with Copper flexible Wire (size of control wire shall be 2.5 sq. mm Copper flexible for C.T. Circuit & 1.0 sq. mm for Control & 1.0sq. mm for Scada Wiring) with thimbles printed sleeves, tie & belt etc					

15.08	The cost of panel should be complete with Assembly charges of 100A 4 strips Busbar (horizontal/vertical & earth strip throughout the length of panel (current density of aluminium busbar shall not be less than 1.0 amps/ mmsq. Aluminium shall be electric grade E-91E, busbar supports shall be DMC epoxy insulator. All busbars links shall be covered /insulated with heat shrinkable sleeves of coloured coded Red, Yellow, Blue & Black. Approximate size of panel. Assembly charges of aluminium copper solid /copper flexible wire interconnections in ACB/SWITCH & ACB/MCCB to field side for cable termination duly covered/insulated with heat shrinkable sleeves of coloured coded Red, Yellow, Blue & Black. All interconnections offield side are supported by conical L & Fingers type insulators of adequate size to support sustain the weight of cables. control wiring with copper flexible wire (size of control wire shall be 2.5 sqmm copper flexible for CT circuit & 1.0 sqmm for control & 1.0 sqmm for scada wiring) with thumbles printed sleeves, tie & belt etc. Assembly charges of accessories like gasket, doorlocks, copper flexible door earth legend plates etc. and should be complete with all accessories as detailed above (15.01 to 1.07)The Switchgear & accessories, should be of Schneider, L&T, Siemens, ABB, HAVEL	1	each	97191	Rupees NinetySeven Thousand One Hundred NinetyOne Only	97191
Total:-						191225

Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 1000/- Only.

Draft schedule of Quantity approved for Rs. 1,91,225/- only.

(Rs. One lakh Ninety one Thousand Two hundred Twenty Five only)

halu
Executive Engineer,
Electrical Division No.
KPPWD, Shimla-171001

DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs.2,98,014/- only

Earnest Money:- Rs. 6000/- only

Time:- Three Months

Name of work:- Providing Special Repair/Additional Alternation to E.I in various sets (Block No.33 Set no. 7,8,9,10,11,13, Block no. 24 Set No. 2,16, & Block No. 20 Set No. 2,7 etc.) types III,IV,V. at US Club Shimla.

S.No.	Description of Items	Qty.	Unit	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.					
1.01	Group A	77	point	716.00	Rupees Seven Hundred Sixteen Only	55132
1.02	Group B	10	point	823.00	Rupees Eight Hundred TwentyThree Only	8230
2	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	176	Meter	171.00	Rupees One Hundred SeventyOne Only	30096
2.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	181	Meter	269.00	Rupees Two Hundred SixtyNine Only	48689
2.03	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	119	Meter	452.00	Rupees Four Hundred FiftyTwo Only	53788
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 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.	39	each	272	Rupees Two Hundred SeventyTwo Only	10608
4	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.	35	each	414	Rupees Four Hundred Fourteen Only	14490
5	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	5	each	170.00	Rupees One Hundred Seventy Only	850
6	Supplying and fixing PVC batten/ angle holder including connection etc. as required.	23	each	87.00	Rupees EightySeven Only	2001
7	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. Cat-A.	20	each	257	Rupees Two Hundred FiftySeven Only	5140

8	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.					
8.01	MCB DP 50/63 A 'C' curve	2	each	1429	Rupees One Thousand Four Hundred TwentyNine Only	2858
9	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)					
9.01	8 way . Double door	1	each	2265	Rupees Two Thousand Two Hundred SixtyFive Only	2265
9.02	12 way . Double door	1	each	2692	Rupees Two Thousand Six Hundred NinetyTwo Only	2692
10	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.					
10.01	LED Batten Light 20W	31	each	798	Rupees Seven Hundred NinetyEight Only	24738
10.02	LED Batten Light 10W	8	each	586	Rupees Five Hundred EightySix Only	4688
11	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.					
11.01	Exhaust Fan, heavy duty, 225 mm sweep	5	each	1848	Rupees One Thousand Eight Hundred FourtyEight Only	9240
12	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 seprated 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 Engineer-in-Charge.					
12.01	Square/round LED Panel Light 24 W Surface	3	each	2391	Rupees Two Thousand Three Hundred NinetyOne Only	7173

13	Providing and installation of Light duty, plastic body, ventilating fan of following sizes in the existing opening, by means of suitable rag-bolts/nuts, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required complete in all respects to the satisfaction of the Engineer-in-Charge:- Make: Havell's, Bajaj, Crompton Greaves, Standard, Usha, Kahitan etc.					
13.01	Fress Air Fan 250 mm	3	each	1934	Rupees One Thousand Nine Hundred ThirtyFour Only	5802
14	Supplying and fixing of following LED bulk head fitting with all accessories including making connections, testing etc. as required. Make:- Wipro, Havells, Philips, Panasonic or any other approved by Engineer-in-Charge. LED bulk head 10W	7	each	1362	Rupees One Thousand Three Hundred SixtyTwo Only	9534
	Total:-					298014

Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 1100/- Only.

*Draft schedule of Quantity approved for Rs. 2,98,014/- only.
(Rs. Two Lakh Ninety Eight Thousand Fourteen only) .*

Chalo
**Executive Engineer,
Electrical Division No.-1
HPPWD, Shimla-171009**

DRAFT SCHEDULE OF QUANTITY						
Estimated Cost:- Rs.4,63,535/- only						
Earnest Money:- Rs.9300/- only						
Time:- Three Months						
Name of work:- Providing Special Repair of E.I. in Old Industries building at Bamloe, now occupied by HP High Court at Shimla.(SH:- Providing Special Repair of main L.T. Panel and laying Cable tray in various floor there in.)						
S.No.	Description of Items	Qty.	Unit	Rate		Amount
				In Figures	In words	
1.00	Supply. Fabricating and installation following size of solid GI cable trays, pre painted with powder coated paint of approved shade GI cable tray including suspended from the ceiling with M.S. suspenders etc. Complete as required and approved by the Engineer In Charge.					
1.01	Supply of Painted MS Cable Tray 300mm Width x 50mm Depth x 1.6 mm thickness with coupler, Nut Bolt Washers etc. including fixing at site.	210	p/mtr.	1200	Rupees One Thousand Two Hundred Only	252000
2.00	Providing and fixing following rating and breaking capacity MCCB with thermomagnetic release and terminal spreaders in existing cubical panel board including drilling holes in cubical panel, making connections, etc. as required.					
2.0i	125 4P 36 KA MCCB	9	Each	17285	Rupees Seventeen Thousand Two Hundred EightyFive Only	155565
3.00	Providing special repair of existing main L.T Panel including providing and replacement of following unserviceable/damaged accessories required to make the panel functional at site.					
3.01	Supplying and fixing Spreader Terminals set of 8 Links to make the MCCB/SFU functional.	9	Each	2150	Rupees Two Thousand One Hundred Fifty Only	19350
3.02	Supplying and fixing Flexible Copper Wire 25 sq.mm for interconnection of incomer & outgoing SFU etc. as required.	12	p/mtr.	245	Rupees Two Hundred FortyFive Only	2940
3.03	Supplying and fixing Copper Thimble 25 sq.mm Complete with Connections.	100	Each	29	Rupees TwentyNine Only	2900
3.04	Supplying and fixing MS Covers with Powder Coating paint, locking arrangements.	26	Each	1050	Rupees One Thousand Fifty Only	27300
3.05	Supplying and fixing Hinges Complete with connections.	60	Each	23	Rupees TwentyThree Only	1380
3.06	Supplying and fixing Hardware Nut Bolt Washers etc.	1	Each	2100	Rupees Two Thousand One Hundred	2100
Total:-						463535

Draft schedule of quantity approved for Rs. 4,63,535/- only
(Rs. Four lakh Sixty Three Thousand Five hundred Thirty five only).

Executive Engineer
Electrical Division No
MPPWD, Shimla-171001

DRAFT SCHEDULE OF QUANTITY						
Estimated Cost:- Rs. 4,46,042/- only Earnest Money:- Rs. 9000/- only Time:- Six Months						
Name of work:- C/O Sankat Mochan Temple Shimla Parking Block-A (SH:- Providing Solar Lights in Open Terrace therein).						
S.No.	Description of Items	Qty.	Unit	Rate		Amount
				In Figures	In words	
1.00	Supply and installation of Hot dip galvanized iron pole having wall thickness 3 mm. C/s A/T - top = 70mm, bottom = 150 mm, base plate 260x260x16 mm, 500 mm long, with Hot dip galvanized iron solar mounting structure and battery box mounting arrangement and suitable arm bracket 1 m, 40mm dia, steel grade foundation bolts - 650xM20 with nuts, templates and all complete as per approved drawing. Foundation RCC 1:2:4 shall be of size 550x550mm and depth 1200 mm c/c as per approved drawing. The foundation shall extend above surrounding ground/driveway level for 200 mm as directed by Engineer-in-charge, complete in all respects as required:-Make-Osram,Nichia, Seol or any equivalent make.					
1.01	G.I. Octagonal Light Pole - 5 m long, Single Arm bracket	5	each	22721	Rupees TwentyTwo Thousand Seven Hundred TwentyOne Only	113605
1.02	G.I. Octagonal Light Pole - 5 m long, Double Arm bracket	2	each	23942	Rupees TwentyThree Thousand Nine Hundred FourtyTwo Only	47884
2.00	Supplying and installation of 40W SEMI INTEGRATED SOLAR STREET LIGHT, BIS MODEL NO-PNC-SSL-40W, 165W SOLAR PANEL (BIS AND MNRE APPROVED, 48 AH LIPO4, 12.8V BATTERY (BIS APPROVED), MICRO CONTROLLER BASED DRIVER, LUMMENS >6000, LED MAKE AND SIZE -5050 (OSRAM/ NICHIA/ SEOL), pressure die cast housing, powder coated with toughened glass IP 66 protection, complete with all accessories, connections, testing and commissioning etc. as required. BIS/ MNRE or any other equivalent make.	9	each	31617	Rupees ThirtyOne Thousand Six Hundred Seventeen Only	284553
Total:-						446042

Draft Schedule of Quantity approved for Rs. 4,46,042/- only.
(Rs. Four Lakh Forty Six Thousand Forty Two only).

Executive Engineer,
Electrical Division Me
UPPWD, Shimla-171007

DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs.2,02,526/- only

Earnest Money:- Rs. 4100/- only

Time:- One Months

Name of work:- Providing Special Repair/Additional Alternation to E.I in No. 36 in blood bank, ENT WARD and Providing & Installation of AC in audiology room at DDU Hospital shimla.

S.No.	Description of Items	Qty.	Unit	Rate		Amount
				In	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.					
1.01	Group C	6	point	1497	Rupees One Thousand Four Hundred NinetySeven Only	8982
2	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					
2.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	20	Meter	273	Rupees Two Hundred SeventyThree Only	5460
2.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	18	Meter	371	Rupees Three Hundred SeventyOne Only	6678
2.03	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	26	Meter	591	Rupees Five Hundred NinetyOne Only	15366
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.	2	each	272	Rupees Two Hundred SeventyTwo Only	544
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.	6	each	414	Rupees Four Hundred Fourteen Only	2484
5	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	1	each	170	Rupees One Hundred Seventy Only	170
6	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					
6.01	Exhaust Fan, Light duty, (Domestic) 225 mm sweep	1	each	1848	Rupees One Thousand Eight Hundred FourtyEight Only	1848

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					
7.01	LED Batten Light 20W	26	each	798	Rupees Seven Hundred NinetyEight Only	20748
8	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.					
8.01	Single pole. Cat-A.	7	each	257	Rupees Two Hundred FiftySeven Only	1799
9	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.					
9.01	MCB DP 50/63 A 'C' curve	1	each	1429	Rupees One Thousand Four Hundred TwentyNine Only	1429
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)					
10.01	12 way , Double door	1	each	2692	Rupees Two Thousand Six Hundred NinetyTwo Only	2692
11	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					
11.01	Wall light fixture Polycarbonate body, suitable for 9 W retrofit LED lamp B22 base.	1	each	1004	Rupees One Thousand Four Only	1004
12	Supplying and fixing of bulk head fitting of all sizes and shapes, complete with all accessories but excluding LED fitting including making connections, testing etc. as required. Make: ,Philips, Syska, GE, Bajaj, C&S, Panasonic or any other approved by Engineer-in-Charge.,					
12.01	Bulk head LED fitting 9 watt	1	each	1362	Rupees One Thousand Three Hundred SixtyTwo Only	1362
13	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:-					
13.01	25 Liter capacity water heater (Cat-A)	1	each	12753	Rupees Twelve Thousand Seven Hundred FiftyThree Only	12753

14	Supoplyng and installation of following type of LED street light 45 watt with pressure die cast housing, powder coated with toughned glass and individual LEDs with secondary optic with clear diffuser, adjustable with electronic driver, suitable for input voltage AC 220-240 V, 50HZ, complete with all accessories testing and commissioning etc. as required. Make: Twinkle , Syska, GE, Bajaj, Jaquar , Panasonic or any other approved by Engineer-in-Charge.					
14.01	LED street light 45 watt	1	each	4265	Rupees Four Thousand Two Hundred SixtyFive Only	4265
15	Providing and installation of 1.5/1.8TR hot and cold Split Type AC 3 star 5KVA Voltage Stabilizer with R32 Refrigerent Operating Range cooling capacity 19.4~50 degree CDB and heatings capacity 4~24 degree CDB with power supply 220-240v, Power supply intake outdoor unit,with cooling & Heating capacity Rated Min~Max 6.0/3.0(2.5~6.0) Power consumption for Heating & Cooling Min~Max 1970/780(780-1970)W, and Operation sound for cooling & Heating 47/45/43/40/38 DBA,Air flow rate cooling & Heating 16.3 m3/min making connections , testing etc.complete in all Respect with best satisfaction of engineer -in- Charge. Makes:-DAIKIN /o -general/Mitsubishi/Panasonic.					
15.01	1.5/1.8 TR Split AC Hot and Cold	1	Nos.	93162	Rupees NinetyThree Thousand One Hundred SixtyTwo Only	93162
16	Providing and fixing of copper tube for refrigrent size (6.4 mm -12.7mm) for Split AC unit as required complete in all respects and as per direction and satisfaction of Engineer in charge.	12	Mtrs.	1350	Rupees One Thousand Three Hundred Fifty Only	16200
17	Providing and laying of communication wire 2.5 Sq.mm. (4 core) as required complete in all respects and as per direction and satisfaction of Engineer in charge.	12	Mtrs	225	Rupees Two Hundred TwentyFive Only	2700
18	Supplying and fixing of 25mm dia of PVC drain pipe along with the accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required complete in all respects and as per direction and satisfaction of Engineer in charge.	12	Mtrs.	180	Rupees One Hundred Eighty Only	2160
19	Providing and fixing Galvanised sheet Monkey Protection for Out door Unit as required complete in all respects and as per direction and satisfaction of Engineer in charge.	1	No.	720	Rupees Seven Hundred Twenty Only	720
Total:-						202526

Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 600/- Only.

Draft Schedule of Quantity approved for Rs. 2,02,526/- only.
(Rs. Two lakh Two Thousand Five hundred Twenty Six only).

Chakraborty
Executive Engineer,
Electrical Division No.
XPWD, Shimla-171002

DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs. 1,33,276/- only

Earnest Money:- Rs. 2700/- only

Time:- One Months

Name of work:- Providing Re-wiring set No. 1, & set no. 8 at Lalpani and Peon residence (dental) at DDU Hospital Shimla.

S.No.	Description of Items	Qty.	Unit	Rate		Amount
				In	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.					
1.01	Group A	27	point	997	Rupees Nine Hundred NinetySeven Only	26919
2	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel 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.	3	point	1361	Rupees One Thousand Three Hundred SixtyOne Only	4083
3	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					
3.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	56	Meter	273	Rupees Two Hundred SeventyThree Only	15288
3.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	62	Meter	371	Rupees Three Hundred SeventyOne Only	23002
3.03	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	28	Meter	591	Rupees Five Hundred NinetyOne Only	16548
3.04	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	10	Meter	657	Rupees Six Hundred FiftySeven Only	6570
4	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	each	272	Rupees Two Hundred SeventyTwo Only	3264
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.	12	each	414	Rupees Four Hundred Fourteen Only	4968
6	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V. complete as required.	2	each	170	Rupees One Hundred Seventy Only	340
7	Supplying and fixing PVC batten/ angle holder including connection etc. as required.	9	each	87	Rupees EightySeven Only	783

8	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					
8.01	Exhaust Fan, Light duty, (Domestic) 225 mm sweep	2	each	1848	Rupees One Thousand Eight Hundred FortyEight Only	3696
9	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					
9.01	LED Batten Light 20W	7	each	798	Rupees Seven Hundred NinetyEight Only	5586
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.					
10.01	Single pole, Cat-A.	19	each	257	Rupees Two Hundred FiftySeven Only	4883
11	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.					
11.01	MCB DP 50/63 A 'C' curve	3	each	1429	Rupees One Thousand Four Hundred TwentyNine Only	4287
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)					
12.01	8 way, Double door	1	each	2265	Rupees Two Thousand Two Hundred SixtyFive Only	2265
12.01	12 way, Double door	1	each	2692	Rupees Two Thousand Six Hundred NinetyTwo Only	2692
13	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					
13.01	Wall light fixture Polycarbonate body, suitable for 9 W retrofit LED lamp B22 base.	4	each	1004	Rupees One Thousand Four Only	4016
14	Supplying and fixing of bulk head fitting of all sizes and shapes, complete with all accessories but excluding LED fitting including making connections, testing etc. as required. Make: ,Philips, Syska, GE, Bajaj, C&S, Panasonic or any other approved by Engineer-in-Charge.,					
14.01	Bulk head LED fitting 9 watt	3	each	1362	Rupees One Thousand Three Hundred SixtyTwo Only	4086
Total:-						133276

Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 600/- Only.

*Draft schedule of Quantity approved for Rs. 1,33,276/- only.
(Rs. One lakh Thirty Three Thousand Two hundred seventy six only).*

Signature
Executive Engineer
Electrical Division No.1
WPD, Shimla-171001

2
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DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs. 4,51,969/- only

Earnest Money:- Rs.9100 /- only

Time:- Three Months

Name of work:- Providing special repair to central heating system in Armsdale Building Phase-II at HP Sectt. Shimla-2.(Replacement of Damaged/unserviceable valves and pressure guages therein.)

S.No.	Description of Items	Qty.	Unit	Rate		Amount
				In Figures	In words	
1	Supply, installation, testing and commissioning of Gate valves/ Sluice valves, as per ISI standard with flanges or screwed ends as required. Valves 65 mm and above shall of C.I. Body , Pressure rating PN 1.0, with flanged ends and gunmetal trim, non-rising spindles i/c flanges where required and valves up to 50mm shall be gunmetal non rising stem, integral seat (Renewable), body test pressure 1.5 MPa Hyd. .Make Sant,zoloto or as approved by Engineer-in-charge.					
1.1	1500mm	2	each	29005	Rupees TwentyNine Thousand Five Only	58010
1.2	100mm	12	each	22244	Rupees TwentyTwo Thousand Two Hundred FourtyFour Only	266928
1.3	50mm	3	each	12908	Rupees Twelve Thousand Nine Hundred Eight Only	38724
2	Supply, installation, testing and commissioning of ISI marked butterfly valves , short pattern, wafer type, EPDM rubber lining , i/c flanges complete as required make: Sant,Zoloto or as approved by Engineer-in-charge.					
2.1	150mm	2	each	6994	Rupees Six Thousand Nine Hundred NinetyFour Only	13988
3	Supply, installation, testing and commissioning of Non return valves, as rer ISI standard, with flanges or screwed ends as required. Valves 65 mm and above shall of C.I. Body , with flanged ends i/c flanges complete as required.Make:Sant,Zoloto or as approved by Engineer-in-charge.					
3.1	100mm	3	each	10020	Rupees Ten Thousand Twenty Only	30060
4	Supply, installation, testing and commissioning of Y type strainer body material cast iron,bolted cover,test pressure 21.09kg/cm square,Flanges as per BS-10 complete in all respects as required .Make :Sant,zoloto or as approved by Engineer-in-charge.					

4.1	100mm	3	each	12763	Rupees Twelve Thousand Seven Hundred SixtyThree Only	38289
5	Supply, installation, testing and commissioning of pressure gauges 0 to 10kg including welding complete in all respects as required with best satisfaction of Engineer-in-charge.	6	each	995	Rupees Nine Hundred NinetyFive Only	5970
Total:-						451969

Draft Schedule of Quantity approved for Rs. 4,51,969/- only.
(Rs. Four lakh Fifty one Thousand Nine hundred Sixty Nine only).

Chalo
Executive Engineer,
Electrical Division No.
WPPWD, Shimla-171001



DRAFT SCHEDULE OF QUANTITY						
Estimated Cost:- Rs. 2,33,022/- only Earnest Money:- Rs. 4700 /- only Time:- Three Months						
Name of work:- C/o Multi Storey Parking and Office accommodation at Secretariat Shimla(Armsdale Phase-III)(Sh: Providing Changeover panels for 2 no.250 KVA DG sets Installed therein)						
S.No.	Description of Items	Qty.	Unit	Rate		Amount
				In Figures	In words	
1	Supplying, installation, testing and commissioning of changeover panel having following specifications: 1. 400A 36kA 4P MCCB as main incomer with spreader links and R,Y,B LED indicators on Incomer side, 400A Aluminium Bus Bar and 400Amp Onload changeover switch with indicator Lamps R,Y,B on both sides of the changeover, The panel will be of low tension, indoor type, Wall mounting, dust and vermin proof with IP42 protection and bus bar of Electro grade Aluminium suitable for 3 phase 4 wire supply. The panel will be designed for front access and cable entry from TOP/bottom/side as per requirement. Bus bars will be insulated with heat shrinkable PVC sleeves. The panel is made out of 1.6mm/1.2mm thibk. CRCA sheets, PRE-TREATED and POWDER COATED with Siemens gray shade RAL 7035. The panel shall have undergone Insulation tests, H.V test, Load test. Control wiring shall be of copper wires (POLYCAB/RR). Busbar will be provided with heat shrinkable colour code PVC sleeve. Each Compartment will be labelled with aluminium anodised engraved labels as per specifications. Switchgear items used in the panel shall be L&T, Havells, Schineider or as approved by Engineer-in-charge.	2	each	116511	Rupees One Lakh Sixteen Thousand Five Hundred Eleven Only	233022
Total:-						233022

Draft Schedule of Quantity Approved for Rs. 2,33,022/- only.
 (Rs. Two lakh Thirty Three Thousand Twenty Two only).

Havells
 Executive Engineer,
 Electrical Division No.-3
 HPWD, Shimla-171002

DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs.1,11,377/- only

Earnest Money:- Rs. 2300/- only

Time:- One Months

Name of work:- Providing special repair to E.I in Block no-I set no1, Block no-J set no-4, Block no-I set no-8,4,6,3. Block no-2 set no-6 Knollswood Chotta Shimla-2.

S.No.	Description of Items	Qty.	Unit	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	21	each	775	Rupees Seven Hundred SeventyFive Only	16275
2	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.					
2.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	18	mtrs	162	Rupees One Hundred SixtyTwo Only	2916
2.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	20	mtrs	261	Rupees Two Hundred SixtyOne Only	5220
2.3	4 X 2.5 sq. mm + 2 X 2.5 sq. mm earth wire	7	mtrs	322	Rupees Three Hundred TwentyTwo Only	2254
2.4	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	13	mtrs	442	Rupees Four Hundred FourtyTwo Only	5746
2.5	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	2	mtrs	509	Rupees Five Hundred Nine Only	1018
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.	19	Each	303	Rupees Three Hundred Three Only	5757
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.	17	Each	396	Rupees Three Hundred NinetySix Only	6732
5	Providing and installation of following type of LED Bulkhead of 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.					
5.1	LED Bulkhead 10W	2	each	1361	Rupees One Thousand Three Hundred SixtyOne Only	2722

6	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					
6.1	Exhaust Fan, Light duty, (Domestic) 225 mm sweep	2	each	1811	Rupees One Thousand Eight Hundred Eleven Only	3622
7	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					
7.1	Wall light fixture, brushed nickel finish body, Opal Glass diffuser, suitable for 9 W retrofit LED lamp B22 base.	4	each	1275	Rupees One Thousand Two Hundred SeventyFive Only	5100
8	Supplying and fixing PVC batten/ angle holder including connections etc. as required.	13	Each	85	Rupees EightyFive Only	1105
9	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	1	Each	167	Rupees One Hundred SixtySeven Only	167
10	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					
10.1	LED Batten Light 10W	3	Each	582	Rupees Five Hundred EightyTwo Only	1746
10.2	LED Batten Light 20W	24	Each	793	Rupees Seven Hundred NinetyThree Only	19032
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	12 way, Double door	2	each	2659	Rupees Two Thousand Six Hundred FiftyNine Only	5318
12	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:-					
12.1	25 Liter capacity water heater (Cat-B)	2	each	10635	Rupees Ten Thousand Six Hundred ThirtyFive Only	21270
13	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
13.1	63 A	2	each	555	Rupees Five Hundred FiftyFive Only	1110

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	17	each	251	Rupees Two Hundred FiftyOne Only	4267
	Total:-					111377

Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 2500/- Only.

*Draft schedule of quantity approved for Rs. 1,11,377/- only.
(Rs. One Lakh Eleven Thousand Three hundred Seventy Seven only).*

haku
Executive Engineer,
Electrical Division No.
APPWD, Shimla-171001

DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs.1,53,808/- only

Earnest Money:- Rs. 3100/- only

Time:- One Months

Name of work:- Providing special repair to E.I in Type III Block B Set no. 12,10, Block 8 Set no. 2, Block 3 Set no.3 , Block 10 Set no. 6, Block 9 Set no. 10, Transit set no.11,16, Sudtt block Setno. 4, Driver's Block Set no. 3,2,6,4, , Block 2 setno 5, Block 1 set no. 4,5 and LIG Block 2 set no.12 Barnes court shimla-2.

S.No.	Description of Items	Qty.	Unit	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	2	each	775	Rupees Seven Hundred SeventyFive Only	1550
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 B	7	each	674	Rupees Six Hundred SeventyFour Only	4718
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.	13	each	303	Rupees Three Hundred Three Only	3939
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.	8	each	396	Rupees Three Hundred NinetySix Only	3168
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	7	mtr	162	Rupees One Hundred SixtyTwo Only	1134
5.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	10	mtr	261	Rupees Two Hundred SixtyOne Only	2610

5.3	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	75	mtr	442	Rupees Four Hundred FortyTwo Only	33150
5.4	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	15	mtr	354	Rupees Three Hundred FiftyFour Only	5310
6	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					
6.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	48	mtr	149	Rupees One Hundred FortyNine Only	7152
6.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	10	mtr	248	Rupees Two Hundred FortyEight Only	2480
7	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.					
7.1	Single pole	23	each	251	Rupees Two Hundred FiftyOne Only	5773
8	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.					
8.1	MCB DP 50/63 A 'C' curve	9	each	1204	Rupees One Thousand Two Hundred Four Only	10836
9	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)					
9.1	6 way , Double door	4	each	2038	Rupees Two Thousand ThirtyEight Only	8152
10	Providing and installation of following type of LED Bulkhead of 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.					
10.1	LED Bulkhead 10W	3	each	1361	Rupees One Thousand Three Hundred SixtyOne Only	4083

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11	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 seprated 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					
11.1	Square/round LED Panel Light 6/7W Surface	2	each	1097	Rupees One Thousand NinetySeven Only	2194
11.2	Square/round LED Panel Light 15W Surface	1	each	2049	Rupees Two Thousand FourtyNine Only	2049
12	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					
12.1	LED Batten Light 10W	2	each	582	Rupees Five Hundred EightyTwo Only	1164
12.2	LED Batten Light 20W	14	each	793	Rupees Seven Hundred NinetyThree Only	11102
12.3	LED Batten Light 24W	16	each	825	Rupees Eight Hundred TwentyFive Only	13200
13	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.					
13.1	5/6 amps switch	79	each	39	Rupees ThirtyNine Only	3081
13.2	3 pin 5/6 A socket outlet	27	each	65	Rupees SixtyFive Only	1755
13.3	15/16 A switch	27	each	119	Rupees One Hundred Nineteen Only	3213
13.4	6 pin 15/16 A socket outlet	25	each	129	Rupees One Hundred TwentyNine Only	3225
13.5	Bell push	4	each	65	Rupees SixtyFive Only	260
14	Supplying and fixing brass batten/ angle holder including connection etc. as required.	18	each	98	Rupees NinetyEight Only	1764
15	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	2	each	167	Rupees One Hundred SixtySeven Only	334
16	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					

16.1	Exhaust Fan, Light duty, (Domestic) 225 mm sweep	9	each	1811	Rupees One Thousand Eight Hundred Eleven Only	16299
17	Extra for fixing the louvers/ shutters complete with frame for a exhaust fan of all sizes.	1	each	113	Rupees One Hundred Thirteen Only	113
	Total:-					153808

Draft Schedule of Quantity approved for Rs. 1,53,808/- only
(Rs. One lakh Fifty Three Thousand Eight hundred Eight only).


Executive Engineer,
Electrical Division No. 1
GPPWD, Shimla-171004

DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs. 2,65,201/- only

Earnest Money:- Rs.5400 /- only

Time:- Three Months

Name of work:- Providing special repair to E.I in Type VI set no-2,4,7. Type V set no- 11,12a,14,19,21.Type IV set no-20,19,18,22,42.Type III set no -33,6,10,118,26,66,22,146,161,127,19,2,132,100. Type II set no-20,162,213 Kasumpti.Type VI set no-12,18,9,8,12,23. Type IV set no-10,14,17,3,Type III set no-22,3.Type II set no-18. Type I set no-10,13. Sevant Q no-1 Melhi. Type IV set no-26 , Type II set no-4,6 Trasit Rani ground Shimla-9.

S.No.	Description of Items	Qty.	Unit	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	8	each	594	Rupees Five Hundred NinetyFour Only	4752
1.2	Group B	7	each	676	Rupees Six Hundred SeventySix Only	4732
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	6	each	668	Rupees Six Hundred SixtyEight Only	4008
2.2	Group B	8	each	775	Rupees Seven Hundred SeventyFive Only	6200
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	84	Mtrs	149	Rupees One Hundred FourtyNine Only	12516
3.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	103	Mtrs	248	Rupees Two Hundred FourtyEight Only	25544
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	1	Mtrs	162	Rupees One Hundred SixtyTwo Only	162
4.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	13	Mtrs	261	Rupees Two Hundred SixtyOne Only	3393
4.3	4 X 6 sq. mm + 2 X 6 sq. mm earth wire	24	Mtrs	631	Rupees Six Hundred ThirtyOne Only	15144

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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.	33	Each	303	Rupees Three Hundred Three Only	9999
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.	26	Each	396	Rupees Three Hundred NinetySix Only	10296
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	8	each	582	Rupees Five Hundred EightyTwo Only	4656
7.2	LED Batten Light 24W	56	each	825	Rupees Eight Hundred TwentyFive Only	46200
8	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:-					
8.1	3 Liter capacity water heater	1	each	5800	Rupees Five Thousand Eight Hundred Only	5800
8.2	25 Liter capacity water heater (Cat-B)	2	each	10635	Rupees Ten Thousand Six Hundred ThirtyFive Only	21270
9	Providing and installation of following type of LED Bulkhead of 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.					
9.1	LED Bulkhead 10 Watt	3	each	1361	Rupees One Thousand Three Hundred SixtyOne Only	4083
10	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 seprated 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					
10.1	Square/round LED Panel Light 6/7W Surface	2	each	1097	Rupees One Thousand NinetySeven Only	2194
10.2	Square/round LED Panel Light 10/12W Surface	1		1574	Rupees One Thousand Five Hundred SeventyFour Only	1574
10.3	Square/round LED Panel Light 15W Surface	1	each	2049	Rupees Two Thousand FourtyNine Only	2049
10.4	Square/round LED Panel Light 18/20W Surface	7	each	2153	Rupees Two Thousand One Hundred FiftyThree Only	15071

10.5	Square/round LED Panel Light 24W Surface	5	each	2386	Rupees Two Thousand Three Hundred EightySix Only	11930
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	56	each	39	Rupees ThirtyNine Only	2184
11.2	3 pin 5/6 A socket outlet	28	each	65	Rupees SixtyFive Only	1820
11.3	Bell push	4	each	65	Rupees SixtyFive Only	260
11.4	15/16 A switch	13	each	119	Rupees One Hundred Nineteen Only	1547
11.5	6 pin 15/16 A socket outlet	13	each	129	Rupees One Hundred TwentyNine Only	1677
12	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.	1	each	3160	Rupees Three Thousand One Hundred Sixty Only	3160
13	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	7	Each	167	Rupees One Hundred SixtySeven Only	1169
14	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.	1	Each	470	Rupees Four Hundred Seventy Only	470
15	Providing, Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required: of Approved Make					
15.1	Ceiling Fan 1400 mm sweep	1	each	2928	Rupees Two Thousand Nine Hundred TwentyEight Only	2928
16	Supplying and fixing PVC batten/ angle holder including connections etc. as required.	23	Each	80	Rupees Eighty Only	1840
17	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.					
17.1	LED bedlight 6W	1	each	850	Rupees Eight Hundred Fifty Only	850
18	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/RCBO and other modular devices, including interconnections, earthing etc. as required. (But without MCB/RCCB/Isolator etc.)					
18.1	MCB Enclosure 2/3 or 4 way	1	each	717	Rupees Seven Hundred Seventeen Only	717

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	3	each	251	Rupees Two Hundred FiftyOne Only	753
20	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
20.1	MCB DP 50/63 A 'C' curve	2	each	1204	Rupees One Thousand Two Hundred Four Only	2408
21	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
21.1	40 A	1	each	1012	Rupees One Thousand Twelve Only	1012
22	P/F envirnmental 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 & commisioning etc as required. LED bulb 9W approved make syska havells bajaj or any other approved by engineer in charge					
22.1	LED bulb 9W	1	each	163	Rupees One Hundred SixtyThree Only	163
23	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					
23.1	Exhaust Fan, Light duty, (Domestic) 225 mm sweep	9	each	1811	Rupees One Thousand Eight Hundred Eleven Only	16299
23.2	Exhaust Fan, Light duty, (Domestic) 300 mm sweep	7	each	2053	Rupees Two Thousand FiftyThree Only	14371
Total:-						265201

Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 3500/- Only.

Draft schedule of Quantity approved for Rs. 2,65,201/- only

(Rs. Two lakh Sixty Five Thousand Two hundred ^{one} only)

**Executive Engineer,
Electrical Division
PPWD, Shimla-171007**

2
22

DRAFT SCHEDULE OF QUANTITY						
				Estimated Cost:- Rs.1,88,660/- only		
				Earnest Money:- Rs. 3800/- only		
				Time:- Three Months		
Name of work:- Providing special repair to E.I in Yatts Cottage,New Minister house 1,2,9A,7,6. Kriston hall and Benmore 5 at Shimla-2.						
S.No.	Description of Items	Qty.	Unit	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 B	2	each	674	Rupees Six Hundred SeventyFour Only	1348
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	87	Mtrs	149	Rupees One Hundred FourtyNine Only	12963
2.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	31	Mtrs	248	Rupees Two Hundred FourtyEight Only	7688
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.	8	each	303	Rupees Three Hundred Three Only	2424
4	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.					
4.1	LED bedlight 5W	3	each	800	Rupees Eight Hundred Only	2400
5	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					
5.1	Exhaust Fan, Light duty, (Domestic) 225 mm sweep	1	each	1811	Rupees One Thousand Eight Hundred Eleven Only	1811
5.2	Exhaust Fan, Light duty, (Domestic) 300 mm sweep	2	each	2053	Rupees Two Thousand FiftyThree Only	4106

6	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 seprated 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					
6.1	Square/round LED Panel Light 10/12W Surface	5	each	1574	Rupees One Thousand Five Hundred SeventyFour Only	7870
6.2	Square/round LED Panel Light 18/20W Surface	15	each	2153	Rupees Two Thousand One Hundred FiftyThree Only	32295
6.3	Square/round LED Panel Light 24W Surface	5	each	2386	Rupees Two Thousand Three Hundred EightySix Only	11930
7	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.	24	each	303	Rupees Three Hundred Three Only	7272
8	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 fixing3 no 5 pin 5/6 & amps socket outlet amps piano type switch, connection, painting etc. as required.	3	each	412	Rupees Four Hundred Twelve Only	1236
9	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				0	0
9.1	Wall light fixture, brushed nickel finish body, Opal Glass diffuser, suitable for 9 W retrofit LED lamp B22 base.	5	each	1275	Rupees One Thousand Two Hundred SeventyFive Only	6375
9.2	Wall light fixture, brushed nickel finish body, Opal Glass diffuser, suitable for 2X9 W retrofit LED lamp B22 base.	1	each	3135	Rupees Three Thousand One Hundred ThirtyFive Only	3135
10	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					
10.1	LED Batten Light 10W	4	each	582	Rupees Five Hundred EightyTwo Only	2328
10.2	LED Batten Light 20W	17	each	793	Rupees Seven Hundred NinetyThree Only	13481

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 250 mm sweep	1	each	2281	Rupees Two Thousand Two Hundred EightyOne Only	2281
12	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:-					
12.1	25 Liter capacity water heater (Cat-A)	1	each	12664	Rupees Twelve Thousand Six Hundred SixtyFour Only	12664
12.2	35 Liter capacity water heater (Cat-A)	1	each	16594	Rupees Sixteen Thousand Five Hundred NinetyFour Only	16594
12.3	50 Liter capacity water heater (Cat-A)	1	each	19926	Rupees Nineteen Thousand Nine Hundred TwentySix Only	19926
13	Supplying and fixing PVC box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc. as required.					
13.1	PVC Box 8 Module	4	each	303	Rupees Three Hundred Three Only	1212
13.2	PVC Box 3 Module	1	each	210	Rupees Two Hundred Ten Only	210
14	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.					
14.1	5/6 amps switch	5	each	39	Rupees ThirtyNine Only	195
14.2	3 pin 5/6 A socket outlet	1	each	65	Rupees SixtyFive Only	65
14.3	15/16 A switch	2	each	119	Rupees One Hundred Nineteen Only	238
14.4	6 pin 15/16 A socket outlet	3	each	129	Rupees One Hundred TwentyNine Only	387
15	Supplying and fixing PVC batten/ angle holder including connections etc. as required.	5	each	80	Rupees Eighty Only	400
16	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.					
16.1	Wall mounting fan 400 mm	1	each	3160	Rupees Three Thousand One Hundred Sixty Only	3160
17	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.					
17.1	Single pole	1	each	251	Rupees Two Hundred FiftyOne Only	251

18	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.					
18.1	LED Bulb 40 watt	5	each	1144	Rupees One Thousand One Hundred FourtyFour Only	5720
18.2	LED Bulb 9 watt	13	each	163	Rupees One Hundred SixtyThree Only	2119
19	Providing and installation of Projector type LED Light having pressure die cast aluminium housing, powder coated with weather proof gasket, heat resistant toughened glass, constant current LED driver suitable to work at A.C 220 C, 50 hz complete with all necessary connections as required. Make: Twinkle, Syska, C&S or as approved by Engineer-in-charge.	2	each	2288	Rupees Two Thousand Two Hundred EightyEight Only	4576
Total:-						188660

*Draft Schedule of Quantity approved for Rs. 1,88,660/- only.
(Rs. One lakh Eighty Eight Thousand Six hundred Sixty only).*

halu
Executive Engineer,
Electrical Division No.-1
MPPWD, Shimla-171006
B

DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs1,38,387/- only

Earnest Money:- Rs. 2800/- only

Time:- Three Months

Name of work:- Providing Special Repair/Additional Alternation to E.I in Judicial Acedamy at Ghandhal Shimla.

S.No.	Description of Items	Qty.	Unit	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.					
1.01	Group B	14	point	823	Rupees Eight Hundred TwentyThree Only	11522
2	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	63	Meter	171	Rupees One Hundred SeventyOne Only	10773
2.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	12	Meter	269	Rupees Two Hundred SixtyNine Only	3228
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 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).	2	each	272	Rupees Two Hundred SeventyTwo Only	544
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 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.	1	each	414	Rupees Four Hundred Fourteen Only	414
5	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	1	each	170	Rupees One Hundred Seventy Only	170
6	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					
6.01	LED Batten Light 20W	8	each	798	Rupees Seven Hundred NinetyEight Only	6384

6.02	LED Batten Light 10W	8	each	586	Rupees Five Hundred EightySix Only	4688
7	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:-					
7.01	25 Liter capacity water heater (Cat- A)	2	each	12753	Rupees Twelve Thousand Seven Hundred FiftyThree Only	25506
8	Providing and installation of Light duty, plastic body, ventilating fan of following sizes in the existing opening, by means of suitable rag-bolts/nuts, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required complete in all respects to the satisfaction of the Engineer-in-Charge:- Make: Havell's, Bajaj, Crompton Greaves, Standard, Usha, Kahitan etc.					
8.01	Fress Air Fan 250 mm	4	each	1934	Rupees One Thousand Nine Hundred ThirtyFour Only	7736
9	Providing & Laying of one number aluminium conductor, PVC insulated and PVC sheathed armoured/ XLPE power cable, 1.1 KV grade of following sizes direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.					
9.01	Armoured Cable 35 sq. mm (3.5 core) Recess	20	meter	618	Rupees Six Hundred Eighteen Only	12360
10	Providing & Laying of one number aluminium conductor, PVC insulated and PVC sheathed armoured/ XLPE power cable, 1.1 KV grade of following sizes direct in ground including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering.					
10.01	Armoured Cable 35 sq. mm (3.5 core) Surface	80	meter	455	Rupees Four Hundred FiftyFive Only	36400
11	Supplying and fixing of following LED bulk head fitting with all accessories including making connections, testing etc. as required. Make:- Wipro, Havells, Philips, Panasonic or any other approved by Engineer-in-Charge. LED bulk head 10W	3	each	1362	Rupees One Thousand Three Hundred SixtyTwo Only	4086
12	Supplying and fixing New Generation saving and enviromental friendly long life LED street light made up preesure die cast aluminuim 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 ik08etc. 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 45 W.					

12.01	LED Street light fitting 45 W.	2	each	6538	Rupees Six Thousand Five Hundred ThirtyEight Only	13076
13	Providing and fixing Single Arm Bracket Make G.I Pipe (65mm) including mounting clamps, testing etc. as required: of Approved Make	2	each	750	Rupees Seven Hundred Fifty Only	1500
	Total:-					138387

Draft Schedule of Quantity approved for Rs. 1,38,387/- only.

(Rs. One lakh Thirty Eight Thousand Three hundred Eighty seven
only).

Halves
Executive Engineer,
Electrical Division No.
MPPWD, Shimla-171001

DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs.2,51,713/- only

Earnest Money:- Rs. 5100/- only

Time:- Three Months

Name of work:- Providing L.T. Panel/Sub Panel for energy meters and replacement old Sub-main, with cable in Royal Hotel Block-A type-II) Nabha at Shimla -4.

S.No.	Description of Items	Qty.	Unit	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 10.0 sq. mm + 1 X 6 sq. mm earth wire	83	Meter	518	Rupees Five Hundred Eighteen Only	42994
2	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.					
2.01	Armoured cable 50 sq. mm (3.5 core)	40	Meter	545	Rupees Five Hundred FourtyFive Only	21800
2.02	Armoured cable 25 sq. mm (3.5 core)	19	Meter	314	Rupees Three Hundred Fourteen Only	5966
3	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	2	each	5909	Rupees Five Thousand Nine Hundred Nine Only	11818
4	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	80	each	49	Rupees FourtyNine Only	3920

5	Supplying, Installation, Testing and Commissioning of indoor s/door.Cubical sub Panel . The Panel shall be compartmentalized type having space and Arrangement for incoming and outgoing cables/bus ducting, switchgear, insulated and properly supported compartmentalized bus-bars, interconnection between bus bars and switchgear with auxiliary bus bars/insulated conductors/strips etc. It shall beFabrication in 1.6MM. CRCA Sheet Powder Coating in Siemens Gray Shade, 75x40mm.Channel Base Frame, Cable Entry will be Top & Bottom Suitable for Cable ,Lock, Rubber Gasket. hardware etc. . Aluminium E-91 Grade Main Bus Bar,Load wise Sub Feeder Bus Bar Colour Coated Heat Shrink Bus Bar sleeve Nut-Bolt,Washer ,Hardware etc.125A. Aluminium E-91 Grade Main Bus Bar,Load wise Sub Feeder Bus Bar Colour Coated Heat Shrink Bus Bar sleeve Nut-Bolt,Washer ,Hardware etc. Approximate Size of panel (H) 1250MMX (W) 850MMX(D) 200MM . All busbar links.copper solid/ copper flexible wire interconnection busbar to MCCB/MCB to field side for cable termination shall be covered/ insulated with heat shrinkable sleeves of coloured coated Red, Yellow, Blue& Black. Power & Control Wiring will be (ISI 1100V) flame smoke FRLS PVC Single Core Copper Wire,Copper Lugs, PVC Sleeve, Ferruels Numbers, Hardware & Labour etc. & labour etc, gasket, doorlocks, reading glass,wooden, copper flexible door earth, legend plates etc,as per specification.The Panel shall include the following Switchgear & accessories; as per the Make of Schneider, L&T, Siemens, ABB etc.					
5.01	Main Incomer :-MCCB125A 4P 25KA TMR With O/L & S/C Protection(1No.),Spreader Terminal MCCB 125A 4P (1No.) Current Transformer (3Nos) ,Phase Indicating Lamp R Y B (3Nos) ,Control SP MCB (3Nos) ,Terminal Strip (1No), (Digital metering set (detail below) (1No.) Amp. Meter 96x96MM (1No.)Volt Meter 96x96MM (1 No.) Ammeter selector switch (1No.),					
5.02	Outgoing:- Space for KWH Meter Single Phase (4No.)					
5.03	Fabrication/Painting & Assembly					
5.04	Fabrication charges of cubical type,Indoor type, Single door, Wall mounted, fixed type, free standing single front,dust proof & compartmentalized Distribution Board made out of M.S. CRC Sheet 16G, duly painted with Siemens Grey Pow der Coated Paint as per specification. Approximate Size (H) 1250MMX (W) 850MMX(D) 200MM					
5.05	Assembly Charges of 125A 4Strip Copper Busbar (Horizontal/ Vertical) & Earth strud (current density of copper Busbar shall be 1mmx1mm=1.66 Amp.) copper shall be Electric Grade , Busbar supports shall be DMC epoxy Insulators. All Busbars Links shall be covered/ insulated with Heat Shrinkable sleeves of coloured coded Red, Yellow, Blue & Black.					
5.06	Assembly Charges of copper solid/ Copper flexible wire interconnection 25/10MM interconnection Busbar to meter to field side for Cable termination duly covered/ insulated with Heat Shrinkable sleeves of coloured coded Red, Yellow, Blue & Black. All Interconnections of fields side are supported by conical, L & Finger type insulators of adequate size to support & sustain the weight of cables.					
5.07	Control Wiring with Copper flexible Wire (size of control wire shall be 2.5 sq. mm Copper flexible for C T Circuit & 1.0 sq. mm for Control & 1.0sq. mm for control Wiring) with thimbles printed sleeves, tie & belt etc.					

5.08	The cost of panel should be complete with Assembly charges of 125A 4 strips Busbar (horizontal/vertical & earth strip throughout the length of panel (current density of aluminium busbar shall not be less than 1.0 amps/ mm ² . Aluminium shall be electric grade E-91E, busbar supports shall be DMC epoxy insulator. All busbars links shall be covered /insulated with heat shrinkable sleeves of coloured coded Red, Yellow, Blue & Black. Approximate size of panel Assembly charges of aluminium copper solid /copper flexible wire interconnections in ACB/SWITCH & ACB/MCCB to field side for cable termination duly covered/insulated with heat shrinkable sleeves of coloured coded Red, Yellow, Blue & Black. All interconnections offside side are supported by conical L & Fingers type insulators of adequate size to support sustain the weight of cables. control wiring with copper flexible wire (size of control wire shall be 2.5 sqmm copper flexible for CT circuit & 1.0 sqmm for control & 1.0 sqmm for scada wiring) with thumbles printed sleeves, tie & belt etc Assembly charges of accessories like gasket, doorlocks, copper flexible door earth legend plates etc and should be complete with all accessories as detailed above (5.01 to 5.07) The Switchgear & accessories, should be of Schneider, L&T, Siemens, ABB, HAVEL	1	each	69903	Rupees SixtyNine Thousand Nine Hundred Three Only	69903
6	Supplying, Installation, Testing and Commissioning of indoor s/door, Cubical sub Panel. The Panel shall be compartmentalized type having space and Arrangement for incoming and outgoing cables/bus ducting, switchgear, insulated and properly supported compartmentalized bus-bars, interconnection between bus bars and switchgear with auxiliary bus bars/insulated conductors/strips etc. It shall be Fabrication in 1.6MM. CRCA Sheet Powder Coating in Siemens Gray Shade, 75x40mm. Channel Base Frame, Cable Entry will be Top & Bottom Suitable for Cable, Lock, Rubber Gasket, hardware etc. Aluminium E-91 Grade Main Bus Bar, Load wise Sub Feeder Bus Bar Colour Coated Heat Shrink Bus Bar sleeve Nut-Bolt, Washer, Hardware etc. 125A. Aluminium E-91 Grade Main Bus Bar, Load wise Sub Feeder Bus Bar Colour Coated Heat Shrink Bus Bar sleeve Nut-Bolt, Washer, Hardware etc. Approximate Size of panel. All busbar links, copper solid/ copper flexible wire interconnection busbar to MCCB/MCB to field side for cable termination shall be covered/ insulated with heat shrinkable sleeves of coloured coated Red, Yellow, Blue & Black. Power & Control Wiring will be (ISI 1100V) flame smoke FRLS PVC Single Core Copper Wire, Copper Lugs, PVC Sleeve, Ferrules Numbers, Hardware & Labour etc. & labour etc, gasket, doorlocks, reading glass, wooden, copper flexible door earth, legend plates etc, as per specification. The Panel shall include the following Switchgear & accessories; as per the Make of Schneider, L&T, Siemens, ABB etc.					
6.01	Main Incomer :- MCCB 63A 4P 25KA TMR With O/L & S/C Protection (1No.), Spreader Terminal MCCB 63A 4P (1No.) Current Transformer (3Nos), Phase Indicating Lamp R Y B (3Nos), Control SP MCB (3Nos), Terminal Strip (1No), (Digital metering set (detail below) (1No.) Amp. Meter 96x96MM (1No.) Volt Meter 96x96MM (1 No.) Ammeter selector switch (1No.),					
6.02	Outgoing:- Space for KWH Meter Single Phase (4No.)					
6.03	Fabrication/Painting & Assembly					
6.04	Fabrication charges of cubical type, Indoor type, Single door, Wall mounted, fixed type, free standing single front, dust proof & compartmentalized Distribution Board made out of M.S. CRC Sheet 16G, duly painted with Siemens Grey Powder Coated Paint as per specification. Approximate Size					

6.05	density of copper Busbar shall be 1mmx1mm=1.66 Amp.) copper shall be Electric Grade, Busbar supports shall be DMC epoxy Insulators. All Busbars Links shall be covered/ insulated with Heat Shrinkable sleeves of coloured coded Red, Yellow, Blue & Black.					
6.06	Assembly Charges of copper solid/ Copper flexible wire 10MM interconnection Busbar to meter to field side for Cable termination duly covered/ insulated with Heat Shrinkable sleeves of coloured coded Red, Yellow, Blue & Black. All Interconnections of fields side are supported by conical, L & Finger type insulators of adequate size to support & sustain the weight of cables.					
6.07	Control Wiring with Copper flexible Wire (size of control wire shall be 2.5 sq. mm Copper flexible for C.T. Circuit & 1.0 sq. mm for Control & 1.0sq. mm for control Wiring) with thimbles printed sleeves, tie & belt etc.					
6.08	The cost of panel should be complete with Assembly charges of 63A 4 strips Busbar (horizontal/vertical & earth strip throughout the length of panel (current density of aluminium busbar shall not be less than 1.0 amps/ mmsq. Aluminium shall be electric grade E-91E, busbar supports shall be DMC epoxy insulator. All busbars links shall be covered /insulated with heat shrinkable sleeves of coloured coded Red, Yellow, Blue & Black. Approximate size of panel. Assembly charges of aluminium copper solid /copper flexible wire interconnections in ACB/SWITCH & ACB/MCCB to field side for cable termination duly covered/insulated with heat shrinkable sleeves of coloured coded Red, Yellow, Blue & Black. All interconnections of fields side are supported by conical L & Fingers type insulators of adequate size to support sustain the weight of cables. control wiring with copper flexible wire (size of control wire shall be 2.5 sqmm copper flexible for CT circuit & 1.0 sqmm for control & 1.0 sqmm for scada wiring) with thimbles printed sleeves, tie & belt etc. Assembly charges of accessories like gasket, doorlocks, copper flexible door earth legend plates etc. and should be complete with all accessories as detailed above (6.01 to 6.07) The Switchgear & accessories, should be of Schneider, L&T, Siemens, ABB, HAVEL	2	each	47656	Rupees FourtySeven Thousand Six Hundred FiftySix Only	95312
Total:-						
Condition:- The Credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 700/- Only.						251713

*Draft Schedule of Quantity approved for Rs. 2,51,713/- only.
(Rs. Two Lakh Fifty one Thousand Seven hundred Thirteen only).*

[Signature]
Executive Engineer,
Electrical Division No.-1
APPWD, Shimla-171009

DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs. 1,52,837/- only

Earnest Money:- Rs. 3100/- only

Time:- Three Months

Name of work:- Renovation of toilet in ground floor at block ABC, Providing E.I in creche and special repair in various rooms at HPPWD headquarter Nirman bhawan Nigam Vihar Shimla (H.P)

S.No.	Description of Items	Qty.	Unit	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	17	each	967	Rupees Nine Hundred SixtySeven Only	16439
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 C	1	each	760	Rupees Seven Hundred Sixty Only	760
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.	5	each	303	Rupees Three Hundred Three Only	1515
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.	13	each	396	Rupees Three Hundred NinetySix Only	5148

5	Supplying and fixing metal box of 200 mm X 150 mm X 100 mm 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 3 no 5/6 amps piano type switch, connection, painting etc. as required. (For light plugs to be used in non residential buildings).	6	each	510	Rupees Five Hundred Ten Only	3060
5.1	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.				0	0
5.2	5/6 amps switch	2	each	39	Rupees ThirtyNine Only	78
5.3	15/16 A switch	2	each	119	Rupees One Hundred Nineteen Only	238
5.4	3 pin 5/6 A socket outlet	2	each	65	Rupees SixtyFive Only	130
5.5	6 pin 15/16 A socket outlet	2	each	129	Rupees One Hundred TwentyNine Only	258
6	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					
6.1	LED Batten Light 10W	2	each	582	Rupees Five Hundred EightyTwo Only	1164
6.2	LED Batten Light 20W	40	each	793	Rupees Seven Hundred NinetyThree Only	31720
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	69	each	162	Rupees One Hundred SixtyTwo Only	11178
7.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	16	each	261	Rupees Two Hundred SixtyOne Only	4176
7.3	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	29	each	442	Rupees Four Hundred FourtyTwo Only	12818
8	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.					
8.1	2 x 4 sq. mm	34	mtr	125	Rupees One Hundred TwentyFive Only	4250

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	1	each	1811	Rupees One Thousand Eight Hundred Eleven Only	1811
9.2	Exhaust Fan, Heavy duty, 300 mm sweep	3	each	3697	Rupees Three Thousand Six Hundred NinetySeven Only	11091
10	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	1	each	167	Rupees One Hundred SixtySeven Only	167
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 200mm Sweep	2	each	1942	Rupees One Thousand Nine Hundred FourtyTwo Only	3884
12	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 seprated 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					
12.1	Square LED Panel Light 36W Surface	1	each	5201	Rupees Five Thousand Two Hundred One Only	5201
12.2	Square LED Panel Light 30W Surface	3	each	2544	Rupees Two Thousand Five Hundred FourtyFour Only	7632
12.3	Square/round LED Panel Light 18/20W Surface	3	each	2153	Rupees Two Thousand One Hundred FiftyThree Only	6459
12.4	Square/round LED Panel Light 10/12W Surface	2	each	1574	Rupees One Thousand Five Hundred SeventyFour Only	3148
13	Providing and fixing following rating, four pole, 415 volts, On-Load change over switch unit, in sheet steel enclosure, with side handle operation, including drilling holes on the board, making connections, etc. as required:-					
13.1	63 amps. TPN, On Load Change over switch (SS Enclosure type)	1	each	8872	Rupees Eight Thousand Eight Hundred SeventyTwo Only	8872

14	Supplying and fixing TP&N copper bus-bar chamber suitable for 415 volts capacity with 4 No. copper strip bus-bars each of length and x-section suitable for following current carrying capacities. enclosure made of sheet steel, dust protected, duly powder painted with detachable gland plate and other accessories including drilling holes on the board, making connections, earthing etc. as required.					
14.1	63 A Copper Busbar Chambers 15" (SS Enclosure)	1	each	3271	Rupees Three Thousand Two Hundred SeventyOne Only	3271
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	2	each	251	Rupees Two Hundred FiftyOne Only	502
16	Supplying and fixing brass batten/ angle holder including connection etc. as required.	6	each	98	Rupees NinetyEight Only	588
17	Supplying and fixing High Rupturing Capacity (HRC) fuse of capacity 63A in existing enclosure complete with all necessary connections,testing etc as require. Make: L&T,Havells,Indoasian or as approved by engineer-in-charge.	3	each	191	Rupees One Hundred NinetyOne Only	573
18	Providing and fixing single module USB socket suitable to work at 220 V A.C supply complete with all necessary connections,testing etc. as required Make: Anchor, Havells,Legrand or as approved by Engineer-in-charge.	7	each	958	Rupees Nine Hundred FiftyEight Only	6706
Total:-						152837

Draft Schedule of Quantity approved for Rs. 1,52,837/- only
(Rs. One Lakh Fifty Two Thousand Eight hundred Thirty seven only).

halu
Executive Engineer,
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