

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

NO.PW.ED.II.TA.TENDER/24-25- 4947 -50
To

DATED:- 29/10/2024

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

Subject: - Publication of Tender Notice.

Jai Hind

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

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

Copy forwarded for further necessary action to the:-

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

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

HIMACHAL PRADESH PUBLIC WORKS DEPARTMENT

Office of Executive Engineer Electrical Division No. -II, HPPWD, Shimla - 171001
 Website: www.hppwd.gov.in e-mail: ee-eled2-hp@nic.in Tel/Fax: 0177-2990187

NOTICE INVITING TENDER

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

TIME SCHEDULE OF TENDER

(i) Last date of receipt of application:	07.11.2024	Up to 1.00 P.M
(ii) Date of sale of tenders	07.11.2024	Up to 2 PM to 5.00 PM
(iii) Last date of receipt of bids: -	08.11.2024	Up to 10.30 A.M
(iv) Date of bid opening: -	08.11.2024	At 11.30 A.M

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

Sr. No.	Name of work	Estimated Cost	Earnest Money	Time	Cost of Form	Eligible class of contractors
1.	Replacement of damaged fittings / accessories in Rest House Samdhu, Rest House Lari, Rest House Lossar, Rest House Sangam, Circuit House Kaza in District Lahaul & Spiti. (H.P.)	Rs. 68,371/-	Rs.1400/-	6 months	Rs.350/-	D & C
2.	Renovation of bath / toilets in old set No. 4,5 with replacement of damaged fittings and accessories in Rest House Tabo District Lahaul & Spiti.	Rs.59,255/-	Rs.1200/-	6 months	Rs.350/-	D & C
3.	Providing LED fittings and accessories in Treasury office building with residence and yard light at Kaza District Lahaul & Spiti (H.P.)	Rs.1,97,065/-	Rs.3900/-	6 months	Rs.350/-	D & C
4.	Providing LED fittings and accessories in HPPWD Junior Engineer Type-III residential Qtr. at Lossar in District Lahaul & Spiti. (H.P.)	Rs.76,667/-	Rs.1500/-	6 months	Rs.350/-	D & C
5.	Replacement and installation of fittings / accessories in Assistant Engineer, Mechanical HPPWD, Sub-Division office Toilet, workshop & Temple at Kaza District Lahaul & Spiti. (H.P.)	Rs.1,59,143/-	Rs.3200/-	6 months	Rs.350/-	D & C
6.	Replacement of damaged geysers and stabilizer, cable in various Rest House / Circuit Houses under Rampur District Shimla. (H.P.)	Rs.86,840/-	Rs.1800/-	One month	Rs.350/-	D & C

7.	Providing rewiring & replacement of energy saving luminaire LED fittings in HPPWD Rest House Sainj Tehsil Theog District Shimla. (H.P.)	Rs.4,94,748/-	Rs.10,000/-	3 months	Rs.350/-	C & B
8.	Providing re-wiring with LED fittings and accessories in accommodation of planning officer ITDP at Kaza District Lahaul & Spiti. (H.P.)	Rs.1,12,177/-	Rs.2300/-	6 months	Rs.350/-	D & C
9.	Providing separate wiring for computer point & light point with 50 KVA DG set in Sub-Judge Court at Theog District Shimla. (H.P.)	Rs.1,55,318/-	Rs.3200/-	One month	Rs.350/-	D & C

1. The earnest money in the shape of National Saving certificate. Time deposit account in any of the post office in HP/FDR or any Bank duly pledged in favor of Executive Engineer, Electrical Division No. II, US Club, HPPWD, Shimla-1 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.
 - b) GST Number issued by the Sale Tax Department.
 - c) PAN (Permanent Account Number) issued by the Income Tax Department and copy of EPF issued from competent authority.
3. The Executive Engineer, Electrical Division No.II, US Club, HPPWD Shimla-1 reserves the right to reject any tender without assigning any reason(s).
4. The work will be completed by the contractor within the stipulated period.
5. The tender shall be issued to only those contractor/firms who are eligible suitable and competent.
6. 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.
7. The contractor /firm having necessary documents and past adequate experience shall be preferred.
8. The contractor who has failed to start/complete the work already allotted in his favour within stipulated period shall not be issued tender forms.
9. A contractor enlisted in a particular class be eligible to tender for his own class and one step below
10. If any kind of holiday to be happened, the tender shall be opened on the next working day at 11.30 a.m.
11. 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.

Sharma
Executive Engineer,
Electrical Division No-II,
HPPWD U.S. Club Shimla-1.

No.PW.ED.II.TA.Tender/2024-2025-14251-57

Dated:- 29/10/24

Copy forwarded to the following for information :-

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

- 6. Drawing Branch in this office.
- 7. Notice Board.

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

Draft Schedule Of Quantity

Estimated Cost:- 68,371 /-

Earnest Money:- 1400 /-

Time Limit:- Six month

Name of Work :- Replacement of Damaged fitting/Accessories in Rest House Samdu, Rest House Lari, Rest House Lossar, Rest House Sagnam, Circuit House Kaza in Distt. L&S. (H.P.).						
S.No.	Description of Items	Qty.	Unit	Rate In Fig.	Rate in Words	Amount
1.00	Providing and installation of following type of LED Batten with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours,THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver, relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make					
1.01	LED Batten Light 20W	2	Each	684	Rupees Six Hundred EightyFour Only	1368
1.02	LED Batten Light 10W	1	Each	597	Rupees Five Hundred NinetySeven Only	597
2.00	Providing and installation of following type of LED retrofit lamp B-22 holder base with polycarbonate body and aluminium heat sink; suitable for input voltage: AC 220-240 V, 50/60Hz, including mounting in existing fixture, testing etc. as required complete in all respects. Make:-Havells, Bajaj, Panasonic, Phillips, Wipro or any other approved by Engineer-in-Charge.					
2.01	LED retrofit lamp 9W.	3	Each	132	Rupees One Hundred ThirtyTwo Only	396
3.00	Providing and installation of following type of Surface mounting square type LED Downlight with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 85lm/Watt with minimum 25000 burning hours,THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make					

				Rupees One Thousand SeventyFive Only	
3.01	Square LED Down Light 18W Surface	5	Each	1075	5375
4.00	Providing and installation of following type of LED Bulk Head with PDC/CRCA housing (aluminium extrusion), anti glare polycarbonate diffuser,surge protection 2 KV luminaire efficacy > 85lm/Watt with minimum 50000 burning hours,THD<15% in white finish industrial grade IP 65 rated and separated energy efficient constant current, non-integral, electronic driver;relevant LM 79/80 compliance fromUN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make				
4.01	LED Bulk Head 10W	1	Each	1192	Rupees One Thousand One Hundred NinetyTwo Only
5.00	Installation of ventilating /exhaust fan in the existing opening, including making good BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor the damage, connection, testing, commissioning etc. as required. Supply & Erection of Ventilating Fan) following size complete with motor,, with minimum power consumption, rigid frame with rubber mounting for silent operation, in the existing opening including cost of making the hole to suit the size of above fan making good the damage, Carriage Charges connection, testing, commissioning etc. as required to complete the job to the entire satisfaction of EIC. of Approved Make				
5.01	Exhaust Fan, 250 mm sweep	1	Each	3060	Rupees Three Thousand Sixty Only
6.00	Providing and fixing of Iron shutter for all sizes exhaust fans in the existing opening, including installation at site etc. as required to the best satisfaction of Engineer-in-Charge.	1	Each	646	Rupees Six Hundred FortySix Only
7.00	Supplying and fixing of Bell Indicator complete with all accessories including making connections, testing & Commissioning etc. as required.				
7.01	Bell Indicator 6-way	1	Each	644	Rupees Six Hundred FortyFour Only
8.00	Supplying and fixing following rating Piano-type switch /socket on the existing switch box / cover including connections etc. as required. Make:- Anchor, Havells, SSK, L&T or any other approved by Engineer-in-Charge.				
8.01	5/6 Amps. piano type switch	11	Each	68	Rupees SixtyEight Only
8.02	5 pin 5/6 Amps. Socket	5	Each	84	Rupees EightyFour Only
8.03	Bell push, piano type.	2	Each	83	Rupees EightyThree Only

8.04	15/16 Amps. piano type switch	2	Each	139	Rupees One Hundred ThirtyNine Only	278
8.05	6 pin 15/16 Amps. socket outlet.	2	Each	143	Rupees One Hundred FourtyThree Only	286
9.00	Supplying and fixing of 16A 3 Pin Plug Top including connections testing etc. as required. Make:- Anchor, Havells or any other approved by Engineer-in-Charge.	4	Each	126	Rupees One Hundred TwentySix Only	504
10.00	Supplying & fixing of following sizes (nominal size) phenolic laminated sheet cover in front on existing suitable size metal/Wooden box on surface or in recess including all accessories etc. as required.	1	Each	61	Rupees SixtyOne Only	61
10.01	125mm.x125mm.x3mm. Thick (5'X5')					
11.00	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
11.01	5/6 amps switch	3	Each	85	Rupees EightyFive Only	255
11.02	3 pin 5/6 A socket outlet	3	Each	132	Rupees One Hundred ThirtyTwo Only	396
11.03	Bell push	1	Each	134	Rupees One Hundred ThirtyFour Only	134
11.04	15/16 A switch	1	Each	156	Rupees One Hundred FiftySix Only	156
11.05	6 pin 15/16 A socket outlet	1	Each	211	Rupees Two Hundred Eleven Only	211
12.01	'12 Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.					
	6 Module	1	Each	220	Rupees Two Hundred Twenty Only	220
13.00	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.					
13.01	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	2	Mtr.	695	Rupees Six Hundred NinetyFive	1390
14.00	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes with 8 bar pressure rating Five star BEE rating and safety valve installation by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:-					

14.01	25 Liter capacity water heater (Cat-A)	2	Each	15283	Rupees Fifteen Thousand Two Hundred EightyThree Only	30566
15.00	Supplying and fixing wooden boxes of following sizes (nominal size) on surface or in recess suitable for fixing meter/Kit-kat in front including painting etc. as required.					
15.01	Wooden Box 203mm.x 254mm.x60mm. Deep	2	Each	154	Rupees One Hundred FiftyFour Only	308
16.00	Providing and fixing of following type Kit-kat Rewireable (Porcelain Fuse carrier & Base) fuse suitable for input voltage 240 V, 50/60Hz, complete in all respect as required:- Make: L&T, Havells or any other approved by Engineer-in-Charge.					
16.01	Kit-Kat Fuse 63 Amp. 220 Volt	2	Each	483	Rupees Four Hundred EightyThree Only	966
17.00	Supplying and fixing 6 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.					
17.01	Single pole 6 Amp.	1	Each	329	Rupees Three Hundred TwentyNine Only	329
17.02	Single pole 16 Amp.	1	Each	329	Rupees Three Hundred TwentyNine Only	329
18.00	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
18.01	40 A	1	Each	3073	Rupees Three Thousand SeventyThree Only	3073
18.02	63 A	1	Each	4266	Rupees Four Thousand Two Hundred SixtySix Only	4266
19.00	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					

19.01	40 A DP	5	Each	1381	Rupees One Thousand Three Hundred EightyOne Only	6905
19.02	63 A DP	2	Each	1563	Rupees One Thousand Five Hundred SixtyThree Only	3126
Total :-						68371

Condition:- Amount of Rs. 600/- shall be deducted by department for useful material.

Revised Schedule of Quantity approved for
Rs. 68371/- only (Rs. Sixty eight thousand
and eight hundred & seventy one only)

W.H. Mawla
Executive Engineer,
Electrical Division No.-II,
H.P. PWD (I.S. Club), Shimla-1

Draft Schedule Of Quantity

Estimated Cost:- 59,255/-
 Earnest Money:- 1200/-
 Time Limit:- Six month

Name of Work :- Renovation of Bath/Toilet in old set no.-4,5 with Replacement of damage fittings and Accessories in Rest House Tabo Distt. L&S.					
S.No.	Description of Items	Qty.	Unit	Rate In Fig.	Rate in Words
					Amount
1.00	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.	6	Point	1,929	Rupees One Thousand Nine Hundred TwentyNine Only
1.01	Group C.				11574
2.00	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.	8	Mtr.	114	Rupees One Hundred Fourteen Only
2.01	3x1.5 Sq.mm.				912
3.00	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.				
3.01	2 modules	1	Each	140	Rupees One Hundred Fourty Only
3.02	3 modules	5	Each	162	Rupees One Hundred SixtyTwo Only
3.03	4 modules	2	Each	174	Rupees One Hundred SeventyFour Only
4.00	Supplying and fixing of 16A 3 Pin Plug Top including connections testing etc. as required. Make:- Anchor, Havells or any other approved by Engineer-in-Charge.	2	Each	126	Rupees One Hundred TwentySix Only
5.00	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				252
5.01	5/6 amps switch	10	Each	85	Rupees EightyFive Only
5.02	15/16 A switch	3	Each	156	Rupees One Hundred FiftySix Only
					468

5.03	3 pin 5/6 A socket outlet	5	Each	132	Rupees One Hundred ThirtyTwo Only	660
5.04	6 pin 15/16 A socket outlet	3	Each	211	Rupees Two Hundred Eleven Only	633
6.00	Providing and installation of following type of Surface mounting square type LED Downlight with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 85lm/Watt with minimum 25000 burning hours, THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved					
6.01	Square LED Down Light 12W Surface	3	Each	684	Rupees Six Hundred EightyFour Only	2052
7.00	Providing and installation exhaust fan of following sizes in the existing opening, Double ball bearing type metal frame including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: of Approved Make Domestic type.					
7.01	Exhaust Fan, Light duty, (Domestic) 225/230 mm sweep	3	Each	2,286	Rupees Two Thousand Two Hundred EightySix Only	6858
8.00	Providing and fixing of Iron shutter for all sizes exhaust fans in the existing opening, including installation at site etc. as required to the best satisfaction of Engineer-in-Charge.	3	Each	646	Rupees Six Hundred FortySix Only	1938
9.00	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes with 8 bar pressure rating Five star BEE rating and safety valve installation by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:-					
9.01	25 Liter capacity water heater (Cat-A)	2	Each	15,283	Rupees Fifteen Thousand Two Hundred EightyThree Only	30566
10.00	Providing and installation of following type of LED Batten with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours, THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver, relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make					

10.01	LED Batten Light 10W	2	Each	597	Rupees Five Hundred Ninety Seven Only	1194
					Total :-	59255

Condition:- Amount of Rs. 500/- shall be deducted by department for useful material.

*Draft Schedule of quantity approved for
Rs. 59255/- only (Rs. fifty nine thousand
two hundred fifty five only)*

H. S. Chawla
Executive Engineer,
Electrical Division No. 11,
H.P. R.W.D. (U.S. Club) Shimla-1

DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs. 1,97,065/- only
 Earnest Money:- Rs. 3900/- only
 Time:-Six Months.

Name of work:- Providing LED Fittings and Accessories in Treasury office building with residence and yard light at Kaza Distt. L&S (H.P.)

S.No.	Description of Items	Qty.	Unit	Rate		Amount
				In Figures	In words	
1.00	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.					
1.01	Group A	1	Point	1333	Rs. One Thousand Three Hundred Thirty Three only	1333
2.00	Providing and installation of following type of LED Batten with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours, THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver,relevent LM 79/80 compliance fromUN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make					
2.01	LED Batten Light 20W	22	Each	684	Rs. Six Hundred Eighty Four only	15048
2.02	LED Batten Light 10W	4	Each	597	Rs. Five Hundred Ninety Seven only	2388

3.00	Providing and installation of following type of Surface mounting square type LED Downlight with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 85lm/Watt with minimum 25000 burning hours,THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make				
3.01	Square LED Down Light 18W Surface	10	Each	1075	Rs. One Thousand Seventy Five only
4.00	Providing and installation of following type of recess mounting 1 feet by 4 feet type LED Panel with PDC/CRCA housing ,anti glare prismatic multilayer diffuser,surge protection 2.5 KV luminaire efficacy > 120 lm/Watt with ugr<19 minimum 50000 burning hours,THD<10% in white finish and separated energy efficient constant current, non-integral, electronic driver;relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make				
4.01	LED Panel 1x4 36 watt	2	Each	7964	Rs. Seven Thousand Nine Hundred Sixty Four only
5.00	Supplying and fixing PVC batten/ angle holder including connections etc. as required. of Approved Make	13	Each	116	Rs. One Hundred Sixteen only
					15928

6.00	Providing and installation of following type of LED retrofit lamp B-22 holder base with polycarbonate body and aluminium heat sink; suitable for input voltage: AC 220-240 V, 50/60Hz, including mounting in existing fixture, testing etc. as required complete in all respects. Approved Make			
6.01	LED retrofit lamp 9W.	16	Each	Rs. One Hundred Thirty Two only
7.00	Providing and installation of following type of LED Bulk Head with PDC/CRCA housing (aluminium extrusion), anti glare polycarbonate diffuser, surge protection 2 KV luminaire efficacy > 85lm/Watt with minimum 50000 burning hours, THD<15% in white finish industrial grade IP 65 rated and separated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make			2112
7.01	LED Bulk Head 10W	1	Each	Rs. One Thousand One Hundred Ninety Two only
8.00	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required. of Approved Make	4	Each	Rs. Two Hundred Fourteen only
9.00	Providing and installation exhaust fan of following sizes in the existing opening, Double ball bearing type metal frame including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: of Approved Make Domestic type.			856
9.01	Exhaust Fan, Light duty, (Domestic) 225/230 mm sweep	5	Each	Rs. Two Thousand Two Hundred Eighty Six only
				11430

10.00	Providing and fixing of Iron shutter for all sizes exhaust fans in the existing opening, including installation at site etc. as required to the best satisfaction of Engineer-in-Charge.	5	Each	646	Rs. Six Hundred Forty Six only	3230
11.00	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required. Make:- Anchor By Panasonic, Reo by Havells, L&T, or any other approved by Engineer-in-Charge.					
11.01	5/6 amps. 1-way Modular switch	78	Each	90	Rs. Ninety only	7020
11.02	3 pin 5/6 amps. Modular socket outlet.	20	Each	117	Rs. One Hundred Seventeen only	2340
11.03	5/6 amps. 2-way Modular switch	2	Each	111	Rs. One Hundred Eleven only	222
11.04	15/16 amps. 1-way Modular switch	12	Each	131	Rs. One Hundred Thirty One only	1572
11.05	6 pin 15/16 amps. Modular socket outlet.	12	Each	178	Rs. One Hundred Seventy Eight only	2136
11.06	Bell push, Modular	4	Each	115	Rs. One Hundred fifteen only	460
11.07	Blanking Plate	3	Each	82	Rs. Eighty Two only	246
11.08	Indicator	6	Each	120	Rs. One Hundred Twenty only	720
12.00	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 3 pin 5/6 A modular socket outlet and 2 nos. 5/6 A modular switch, connections etc. as required. (For light plugs to be used in non residential buildings). of Approved Make	1	Each	752	Rs. Seven Hundred Fifty Two only	752
13.00	Supplying & fixing following size modular base and cover plate on the existing non modular metal boxes as required. Make: Anchor, Havells or any other approved by Engineer-in-Charge.					
13.01	1 Module	7	Each	124	Rs. One Hundred Twenty Four only	868
13.02	2 modules	3	Each	124	Rs. One Hundred Twenty Four only	372
13.03	3 modules	9	Each	143	Rs. One Hundred Forty Three only	1287
13.04	4 modules	8	Each	159	Rs. One Hundred Fifty Nine only	1272
13.05	6 modules	4	Each	198	Rs. One Hundred Ninety Eight only	792
13.06	8 modules	2	Each	226	Rs. Two Hundred Twenty Six only	452

13.07	12 modules	6	Each	263	Rs. Two Hundred Sixty Three only	1578
14.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required. of Approved Make					
14.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	13	Mtr.	343	Rs. Three Hundred Forty Three only	4459
14.02	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	5	Mtr.	873	Rs. Eight Hundred Seventy Three only	4365
14.04	4 X 10 sq. mm + 2 X 6 sq. mm earth wire	5	Mtr.	1422	Rs. One Thousand Four Hundred Twenty Two only	7110
15.00	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. of Approved Make					
15.01	3 x 1.5 sq. mm	20	Mtr.	114	Rs. One Hundred Fourteen only	2280
15.02	3 x 4 sq. mm	20	Mtr.	254	Rs. Two Hundred Fifty Four only	5080
16.00	Supplying and fixing 6 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. of Approved Make					
16.01	Single pole 5/6amps.	7	Each	329	Rs. Three Hundred Twenty Nine only	2303
16.02	Single pole 15/16amps.	12	Each	329	Rs. Three Hundred Twenty Nine only	3948
17.00	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. of Approved Make					
17.01	63 A DP	2	Each	1563	Rs. One Thousand Five Hundred Sixty Three only	3126

18.00	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) of Approved Make				
18.01	12 way , Double door	2	Each	3222	Rs. Three Thousand Two Hundred Twenty Two only
18.02	4 way , Double door	1	Each	2191	Rs. Two Thousand One Hundred Ninety One only
19.00	Providing and fixing of following type Kit-kat Rewireable (Porcelain Fuse carrier & Base) fuse suitable for input voltage 415 V, 50/60Hz, complete in all respect as required:- Make: L&T, Havells or any other approved by Engineer-in-Charge.				
19.01	Kit-Kat Fuse 63 Amp. 220 Volt	1	Each	483	Rs. Four Hundred Eighty Three only
20.00	Supplying and fixing wooden boxes of following sizes (nominal size) on surface or in recess suitable for fixing meter/Kit-kat in front including painting etc. as required.				
20.01	Wooden Box 203mm.x 254mm.x60mm. Deep	1	Each	154	Rs. One Hundred Fifty Four only
					154

21.00	Providing and installation of following type of LED Street light fitting made of pressure die cast aluminium housing powder coated with anti glare polycarbonate diffuser,surge protection 4 KV luminaire efficacy > 140lm/Watt with minimum 25000 burning hours, in white finish industrial grade IP 65/66 rated and separated energy efficient constant current, non-integral, electronic driver,relevent LM 79/80 complaince from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required. Make:- Panasonic, Bajaj, Philips, Wipro or any other approved by Engineer-in-Charge.				
21.01	LED Street Light 45 Watt.	9	Each	3975	Rs. Three Thousand Nine Hundred Seventy Five only
22.00	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.				35775
22.01	Armoured cable 6 sq. mm (twin core)	55	Mtr.	307	Rs. Three Hundred Seven only
23.00	Supplying and erection of 6 amps. to 32 amps. amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required. Make: L&T, Havells, Anchor, Schenider or any other approved by Engineer-in-Charge.				16885
23.01	MCB Double Pole 20 Amp.	9	Each	626	Rs. Six Hundred Twenty Six only
					5634

24.00	Providing, laying and fixing of one No. Copper conductor, PVC insulated and PVC sheathed, Flexible Multicore Annealed bare Copper Conductor power cable, working voltage 1100 volts grade on surface etc. of the required size. Make:- Anchor, Havells, KEL, Polycab or any other approved by Engineer-in-Charge.				
24.01	Copper cable 2.5 sq. mm (3-core)	36	Mtr.	249	Rs. Two Hundred Forty Nine only
	Total:-				8964 197065

Condition:- Amount of Rs. 500/- shall be deducted by department for useful material.

*Draft Schedule of quantity approved
for Rs 197065/- only (One lakh ninety
Seven thousand Sixty five only)*

Wally
Executive Engineer
Electrical Division NG-II,
R.P.W.U.S. Club Shambal-1

Draft Schedule Of Quantity

Estimated Cost:- 76,667/-
 Earnest Money:- 1500/-
 Time Limit:- Six month

EE


Name of Work :- Providing LED Fittings and Accessories in HPPWD JE Type-III Residential Qtr at Lossar in Distt. L&S (H.P.)

S.No.	Description of Items	Qty.	Unit	Rate In Fig.	Rate in Words	Amount
1.00	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRUS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRUS PVC insulated copper conductor single core cable etc. as required.	3	Point	1333	Rupees One Thousand Three Hundred ThirtyThree Only	3999
2.00	Re-wiring for light point / fan point / exhaust fan / call bell point with modular switch and Combination Plate for Non modular GI box in existing surface/recessed Steel / PVC Non modular GI box with 5/6 amps. Modular type switch and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required including dismantling of the existing material as required. (excluding modular switch & Combination Plate)	2	Point	812	Rupees Eight Hundred Twelve Only	1624
3.01	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.	21	Each	85	Rupees EightyFive Only	1785
3.02	3 pin 5/6 A socket outlet	5	Each	132	Rupees One Hundred ThirtyTwo Only	660
3.03	Bell push	1	Each	134	Rupees One Hundred ThirtyFour Only	134
3.04	15/16 A switch	5	Each	156	Rupees One Hundred FiftySix Only	780
3.05	6 pin 15/16 A socket outlet	5	Each	211	Rupees Two Hundred Eleven Only	1055
3.06	Blanking Plate	2	Each	82	Rupees EightyTwo Only	164

4.00	Supplying & fixing following size modular base and cover plate on the existing non modular metal boxes as required. Make: Anchor, Havells or any other approved by Engineer-in-Charge.					
4.01	2 modules	1	Each	124	Rupees One Hundred TwentyFour Only	124
4.02	3 modules	5	Each	143	Rupees One Hundred FortyThree Only	715
4.03	4 modules	1	Each	159	Rupees One Hundred FiftyNine Only	159
4.04	6 modules	5	Each	198	Rupees One Hundred NinetyEight Only	990
5.00	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 3 pin 5/6 A modular socket outlet and 2 nos. 5/6 A modular switch, connections etc. as required. (For light plugs to be used in non residential buildings).	2	Each	752	Rupees Seven Hundred FiftyTwo Only	1504
6.00	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	1	Each	444	Rupees Four Hundred FortyFour Only	444
7.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.					
7.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	33	Mtr.	343	Rupees Three Hundred FortyThree Only	11319
8.00	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.					
8.01	2x1.5 Sq.mm.	17	Mtr.	82	Rupees EightyTwo Only	1394
8.02	3x4 Sq.mm.	11	Mtr.	254	Rupees Two Hundred FiftyFour Only	2794
8.03	2x10 Sq.mm.	8	Mtr.	373	Rupees Three Hundred SeventyThree Only	2984
9.00	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	1	Each	214	Rupees Two Hundred Fourteen Only	214
10.00	Supplying and fixing PVC batten/ angle holder including connections etc. as required.	7	Each	116	Rupees One Hundred Sixteen Only	812

11.00	Providing and installation of following type of LED retrofit lamp B-22 holder base with polycarbonate body and aluminium heat sink; suitable for input voltage: AC 220-240 V, 50/60Hz, including mounting in existing fixture, testing etc. as required complete in all respects. Make: Havells, Bajaj, Panasonic, Phillips, Wipro or any other approved by Engineer-in-Charge.			
11.01	LED retrofit lamp 9W	7	Each	Rupees One Hundred ThirtyTwo Only
12.00	Providing and installation of following type of LED Bulk Head with PDC/CRCA housing (aluminium extrusion), anti glare polycarbonate diffuser, surge protection 2 KV luminaire efficacy > 85lm/Watt with minimum 50000 burning hours, THD<15% in white finish industrial grade IP 65 rated and separated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make			924
12.01	LED Bulk Head 10W	4	Each	Rupees One Thousand One Hundred NinetyTwo Only
13.00	Providing and installation of following type of LED Batten with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours, THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver, relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make			4768
13.01	LED Batten Light 20W	5	Each	Rupees Six Hundred EightyFour Only
14.00	Providing and installation exhaust fan of following sizes in the existing opening, Double ball bearing type metal frame including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: of Approved Make Domestic type.			3420
14.01	Exhaust Fan, Light duty, (Domestic) 225/230 mm sweep	2	Each	Rupees Two Thousand Two Hundred EightySix Only
15.00	Providing and fixing of Iron shutter for all sizes exhaust fans in the existing opening, including installation at site etc. as required to the best satisfaction of Engineer-in-Charge.	2	Each	Rupees Six Hundred FortySix Only
				1292

16.00	Supplying and fixing 6 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
16.01	Single pole 6 Amp.	3	Each	329	Rupees Three Hundred TwentyNine Only
16.02	Single pole 16 Amp.	5	Each	329	Rupees Three Hundred TwentyNine Only
17.00	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit braker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
17.01	63 A DP	1	Each	1563	Rupees One Thousand Five Hundred SixtyThree Only
18.00	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
18.01	63 A	1	Each	4266	Rupees Four Thousand Two Hundred SixtySix Only
19.00	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
19.01	12 way , Double door	1	Each	3222	Rupees Three Thousand Two Hundred TwentyTwo Only
20.00	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	1	Set	8977	Rupees Eight Thousand Nine Hundred SeventySeven Only
21.00	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	9	Mtr.	60	Rupees Sixty Only
22.00	Supplying and fixing wooden boxes of following sizes (nominal size) on surface or in recess suitable for fixing meter/Kit-kat in front including painting etc. as required.	1	Each	154	Rupees One Hundred FiftyFour Only
23.00	Providing and fixing of following type Kit-kat Rewireable (Porcelain Fuse carrier & Base) fuse suitable for input voltage 415 V, 50/60Hz, complete in all respect as required:- Make: L&T, Havells or any other approved by Engineer-in-Charge.				

				Rupees		
				Four	Hundred	EightyThree
				Only	Only	483
23.01	Kit-Kat Fuse 63 Amp. 220 Volt	1	Each	483	Only	483
24.00	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.					
24.01	25 mm. dia	25	Mtr.	248	Rupees Two Hundred FourtyEight Only	6200
					Total :-	76667

Condition:- Amount of Rs. 200/- shall be deducted by department for useful material.

Draft schedule of quantity of material for Rs. 76667/- only (Rs. Seventy six thousand six hundred and seven only)

Executive Engineer,
Electrical Division No.-II,
HP PWB (U.S. Club) Shimla-1

DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs. 1,59,143/- only

Earnest Money:- Rs. 3200/- only

Time:-Six Months.

Name of work:- Replacement and Installation of Damaged fitting/Accessories in Assistant Engineer Mechanical HPPWD Sub-Division Office, Toilet, workshop & Temple at Kaza Distt. L&S. (H.P.).

S.No.	Description of Items	Qty.	Unit	Rate	Amount
		In Figures	In words		
1.00	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. •				
1.01	Group C.	9	Point	1929	Rs. One Thousand Nine Hundred Twenty Nine only
2.00	Providing and installation of following type of LED Batten with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours, THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver, relevant LM 79/80 compliance from UN/NABIL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make				17361
2.01	LED Batten Light 20W	8	Each	684	Rs. Six Hundred Eighty Four only
2.02	LED Batten Light 10W	1	Each	597	Rs. Five Hundred Ninety Seven only

3.00	Providing and installation of following type of LED Bulk Head with PDC/CRCA housing (aluminium extrusion), anti glare polycarbonate diffuser,surge protection 2 KV luminaire efficacy > 85lm/Watt with minimum 50000 burning hours,THD<15% in white finish industrial grade IP 65 rated and separated energy efficient constant current, non-integral, electronic driver;relevent LM 79/80 complaince fromUN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make	7	Each	Rs. One Thousand One Hundred Ninety Two only
3.01	LED Bulk Head 10W	7	Each	Rs. One Thousand One Hundred Ninety Two only
4.00	Providing and installation of following type of recess mounting 2 feet by 2 feet type LED Panel with PDC/CRCA housing ,anti glare prismatic multilayer diffuser,surge protection 2.5 KV luminaire efficacy > 120 lm/Watt with UGR<19 minimum 50000 burning hours, THD<10% in white finish and seprated energy efficient constant current, non-integral, electronic driver;relevent LM 79/80 complaince from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make	1	Each	Rs. Six Thousand Seven Hundred Ninety only
4.01	LED Panel 2x2 36 watt	1	Each	6790

5.00	Providing and installation of following type of recess mounting 1 feet by 4 feet type LED Panel with PDC/CRCA housing ,anti glare prismatic multilayer diffuser, surge protection 2.5 KV luminaire efficacy > 120 lm/Watt with ugr<19 minimum 50000 burning hours, THD<10% in white finish and separated energy efficient constant current, non-integral, electronic driver; relevant LM 79/80 compliance from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make				
5.02	LED Panel 1x4 36 watt	1	Each	7964	Rs. Seven Thousand Nine Hundred Sixty Four only
6.00	Providing and installation of LED FLOOD LIGHT, energy saving, environmental friendly, long life, exclusive innovative die-cast aluminium flood light with high power leds as light source, suitable for highlighting architectural features or area lighting. also suitable to rough services/installations with IP65/66 rating and 4kv Surge protection suitable for input voltage: 220-240 V, 50/60 Hz, complete with all accessories, including mounting clips & loop in loop out wire, connections, testing and commissioning etc. as required. Make:- Panasonic, Havells, Philips, Wipro, Anchor, Jauqar or any other approved by Engineer-in-Charge.				7964
6.01	LED Flood Light 30 Watt.	4	Each	1641	Rs. One Thousand Six Hundred Forty One only
6.02	LED Flood Light 50 Watt.	1	Each	1974	Rs. One Thousand Nine Hundred Seventy Four only

7.00	Providing and installation exhaust fan of following sizes in the existing opening, Double ball bearing type metal frame including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: of Approved Make Domestic type.				
7.01	Exhaust Fan, Light duty, (Domestic) 225/230 mm sweep	2	Each	2286	Rs. Two Thousand Two Hundred Eighty Six only
8.00	Providing and fixing of Iron shutter for all sizes exhaust fans in the existing opening, including installation at site etc. as required to the best satisfaction of Engineer-in-Charge.	2	Each	646	Rs. Six Hundred Forty Six only
9.00	Supplying and fixing PVC batten/ angle holder including connections etc. as required.	8	Each	116	Rs. One Hundred Sixteen only
10.00	Providing and installation of following type of LED retrofit lamp B-22 holder base with polycarbonate body and aluminium heat sink; suitable for input voltage: AC 220-240 V, 50/60HZ, including mounting in existing fixture, testing etc. as required complete in all respects. Make:- Havells, Bajaj, Panasonic, Phillips, Wipro or any other approved by Engineer-in-Charge.				928
10.01	LED retrofit lamp 9W.	8	Each	132	Rs. One Hundred Thirty Two only
11.00	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	2	Each	214	Rs. Two Hundred Fourteen only
12.00	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.				428
12.01	2 modules	6	Each	140	Rs. One Hundred Forty only
12.02	3 modules	8	Each	162	Rs. One Hundred Sixty Two only
12.03	4 modules	7	Each	174	Rs. One Hundred Seventy Four only
12.04	6 modules	4	Each	220	Rs. Two Hundred Twenty only
					880

13.00	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
13.01	5/6 amps switch	33	Each	85	Rs. Eighty Five only	2805
13.02	3 pin 5/6 A socket outlet	11	Each	132	Rs. One Hundred Thirty Two only	1452
13.03	Bell push	1	Each	134	Rs. One Hundred Thirty Four only	134
13.04	15/16 A switch	8	Each	156	Rs. One Hundred Fifty Six only	1248
13.05	6 pin 15/16 A socket outlet	8	Each	211	Rs. Two Hundred Eleven only	1688
13.06	Blanking Plate	6	Each	82	Rs. Eighty Two only	492
14.00	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	1	Each	444	Rs. Four Hundred Forty Four only	444
15.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.					
15.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	36	Mtr.	343	Rs. Three Hundred Forty Three only	12348
16.00	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.					
16.01	2x6 Sq.mm.	8	Mtr.	252	Rs. Two Hundred Fifty Two only	2016
16.02	2x16 Sq.mm.	3	Mtr.	552	Rs. Five Hundred Fifty Two only	1656
17.00	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.					
17.01	25 mm. dia	10	Mtr.	110	Rs. One Hundred Ten only	1100
17.02	32 mm. dia	17	Mtr.	132	Rs. One Hundred Thirty Two only	2244

18.00	Providing & Laying of one number aluminium conductor, PVC insulated and PVC sheathed armoured/XLPE power cable, 1.1 KV grade of following sizes on wall surface as required.	•				
18.01	Armoured cable 6 sq. mm (twin core)	100	Mtr.	233	Rs. Two Hundred Thirty Three only	23300
19.00	Supplying and fixing 6 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.					
19.01	Single pole 6 Amp.	7	Each	329	Rs. Three Hundred Twenty Nine only	2303
19.02	Single pole 16 Amp.	8	Each	329	Rs. Three Hundred Twenty Nine only	2632
20.00	Supplying and fixing wooden boxes of following sizes (nominal size) on surface or in recess suitable for fixing meter/Kit-kat in front including painting etc. as required.					
20.01	Wooden Box 203mm.x 254mm.x60mm. Deep	2	Each	154	Rs. One Hundred Fifty Four only	308
21.00	Providing and fixing of following type Kit-kat Rewireable (Porcelain Fuse carrier & Base) fuse suitable for input voltage 240 V, 50/60Hz, complete in all respect as required:- Make: L&T, Havells or any other approved by Engineer-in-Charge.					
21.01	Kit-Kat Fuse 32 Amp. 240 Volt	3	Each	267	Rs. Two Hundred Sixty Seven only	801
21.02	Kit-Kat Fuse 63 Amp. 220 Volt	2	Each	483	Rs. Four Hundred Eighty Three only	966
22.00	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
22.01	40 A	4	Each	3073	Rs. Three Thousand Seventy Three only	12292
22.02	63 A	1	Each	4266	Rs. Four Thousand Two Hundred Sixty Six only	4266

23.00	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
23.01	40 A DP	2	Each	1381	Rs. One Thousand Three Hundred Eighty One only
23.01	63 A DP	1	Each	1563	Rs. One Thousand Five Hundred Sixty Three only
24.00	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
24.01	4 way, Double door	3	Each	2191	Rs. Two Thousand One Hundred Ninety One only
24.02	12 way, Double door	2	Each	3222	Rs. Three Thousand Two Hundred Twenty Two only
	Total:-				159413

Condition:- Amount of Rs. 500/- shall be deducted by department for useful material.

*Deft schedule & quantity approved
for Rs. 159413/- only Rs. one lakh
fifty nine thousand four hundred
thirteen only*

*W.H. Khatola
Executive Engineer,
Electrical Division No. 41,
HP PWD (H.S. Club), Shimla-1*

Estimated Cost:- **₹ 86840/-**
 Earnest Money:- **₹ 1830/-**
 Time:- **One Month**

Draft schedule of quantity.

Name of work:- Replacement of Damaged geysers & stabilizers ,cable in various rest houses/circuit houses under ESD Rampur Distt Shimla (HP).

Sr.No	Description of items	Qty.	In Figure	Rate In Words	Units	Amount
1	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes with 8 bar pressure rating Five star BEE rating and safety valve installation by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:-					0
i	25 Liter capacity water heater (Cat-A)	4	15090.00	Fifteen Thousand Ninety	each	60360
2	Providing & Fixing of voltage stabilizer 4 KVA as approved & directed by Er In Charge make: V-Guard/Microtek	3	4800.00	Four Thousand Eight Hundred	each	14400
3	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.					0
i	Armoured cable 6 sq. mm (twin core)	40	302.00	Three Hundred Two	each	12080
	Total Rs.					86,840.00

₹720 / only will be deducted for dismantled material

**Draft schedule of Quantity approved for
 Rs. 86840/- only (Rs. Eighty six thousand eight
 hundred forty only)**

Shimla
 Executive Engineer,
 Electrical Division No.-ii.
 HP BRTC (U.S. Club) Shimla-1

DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs. 1,12,177/- only

Earnest Money:- Rs. 2200/- only

Time:- Six Months.

Name of work:- Providing Re-wiring with LED Fittings and Accessories in Accommodation of planning officer ITDP at Kaza Distt. L&S (H.P.)

S.No.	Description of Items	Qty.	Unit	Rate		Amount
			In Figures	In words		
1.00	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.					
1.01	Group A.	4	Point	1333	Rs. One Thousand Three Hundred Thirty Three only	5332
2.00	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 modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required.	2	Point	2059	Rs. Two Thousand Fifty Nine only	4118

EE

3.00	Re-wiring for light point / fan point / exhaust fan / call bell point with modular switch and Combination plate for Existing Non modular GI box in existing surface/recessed Steel/PVC Conduit with 5/6 amps. Modular type switch and earthing the light point with 1.5 Sq.mm. HRFRLLS/PVC insulated single core copper conductor cable as required including dismantling of the existing material as required. (including modular switch & Combination Plate etc.) Make:- Anchor By Panasonic, Reo by Havells, L&T, or any other approved by Engineer-in-Charge.	Group A.	13	Point	Rs. One Thousand Three Hundred Eleven only
3.01	Re-wiring for Twin point with modular switch and Combination Plate for Existing Non modular GI box in existing surface/recessed Steel/PVC Conduit with 2-way, 5/6 amps. Modular type switch and earthing the light point with 1.5 Sq.mm. HRFRLLS/PVC insulated single core copper conductor cable as required including dismantling of the existing material as required. (including modular switch & Combination Plate etc.). Make:- Anchor By Panasonic, Reo by Havells, L&T, or any other approved by Engineer-in-Charge.	Group A.	13	Point	1311
4.00	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required. Make:- Anchor By Panasonic, Reo by Havells, L&T, or any other approved by Engineer-in-Charge.	4.01	2	Point	Rs. One Thousand Four Hundred Thirty only
5.00	5/6 amps. 1-way Modular switch	5.01	5	each	90
	3 pin 5/6 amps. Modular socket outlet.	5.02	5	each	117
					Rs. One Hundred Seventeen only
					585

EE

6.00	Supplying and fixing of Light Plug accessories in Non-modular GI box for 6 modules size with modular plate and cover in recess including providing and fixing 2 No. 3 pin 5/6 amp modular socket outlet and 2 No. of 5/6 amp. Modular Switches, connections etc. as required. (For Light Plug/T.V. Points). Make:- Anchor By Panasonic, Reo by Havells, L&T, or any other approved by Engineer-in-Charge.	3	each	545	Rs. Five Hundred Forty Five only	1635
7.00	Supplying and fixing of accessories in Non-modular GI box for 3 modules size with modular plate and cover in recess including providing and fixing 6 pin 10/20 amps modular socket outlet and 16/20 amps modular switch, connections etc. as required. Make:- Anchor By Panasonic, Reo by Havells, L&T, or any other approved by Engineer-in-Charge.	6	each	520	Rs. Five Hundred Twenty only	3120
8.00	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	1	each	660	Rs. Six Hundred Sixty only	660
9.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated/ copper conductor, single core cable in surface/ recessed steel conduit as required.					
9.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	10	Meter	343	Rs. Three Hundred Forty Three only	3430
9.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	12	Meter	479	Rs. Four Hundred Seventy Nine only	5748
10.00	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.					
10.01	3x1.5 Sq.mm.	29	Meter	114	Rs. One Hundred Fourteen only	3306
10.02	6x1.5 Sq.mm.	10	Meter	224	Rs. Two Hundred Twenty Four only	2240
10.03	3x4 Sq.mm.	24	Meter	254	Rs. Two Hundred Fifty Four only	6096
10.04	6x4 Sq.mm.	18	Meter	429	Rs. Four Hundred Twenty Nine only	7722

10.05	2x16 Sq.mm.	7	Meter	547	Rs. Five Hundred Forty Seven only	3829
11.00	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.					
11.01	25 mm. dia	20	Meter	248	Rs. Two Hundred Forty Eight only	4960
12.00	Providing and fixing of following sizes of PVC casing and capping on surface as required. Make:- Anchor, Havells, Pressfit or any other approved by Engineer-in-Charge.					
12.01	20 mm x 12 mm.	12	Meter	76	Rs. Seventy Six only	912
13.00	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	1	each	214	Rs. Two Hundred Fourteen only	214
14.00	Supplying and fixing PVC batten/ angle holder including connections etc. as required.	7	each	116	Rs. One Hundred Sixteen only	812
15.00	Providing and installation of following type of LED retrofit lamp B-22 holder base with polycarbonate body and aluminium heat sink; suitable for input voltage: AC 220-240 V, 50/60Hz, including mounting in existing fixture, testing etc. as required complete in all respects. Make:- Havells, Bajaj, Panasonic, Phillips, Wipro or any other approved by Engineer-in-Charge.					
15.01	LED retrofit lamp 9W.	7	each	132	Rs. One Hundred Thirty Two only	924

16.00	Providing and installation of following type of LED Bulk Head with PDC/CRCA housing (aluminium extrusion), anti glare polycarbonate diffuser,surge protection 2 KV luminaire efficacy > 85lm/Watt with minimum 50000 burning hours,THD<15% in white finish industrial grade IP 65 rated and separated energy efficient constant current, non-integral, electronic driver,relevent LM 79/80 complaince fromUN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make	16.01	LED Bulk Head 10W	3	each	1192	Rs. One Thousand One Hundred Ninety Two only	3576
17.00	Providing and installation of following type of LED Batten with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours, THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver, relevent LM 79/80 complaince from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make	17.01	LED Batten Light 20W	6	each	684	Rs. Six Hundred Eighty Four only	4104
18.00	Providing and installation exhaust fan of following sizes in the existing opening, Double ball bearing type metal frame including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: of Approved Make Domestic type.	18.01	Exhaust Fan, Light duty, (Domestic) 225/230 mm sweep	2	each	2286	Rs. Two Thousand Two Hundred Eighty Six only	4572

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19.00	Providing and fixing of iron shutter for all sizes exhaust fans in the existing opening, including installation at site etc. as required to the best satisfaction of Engineer-in-Charge.	2	each	646	Rs. Six Hundred Forty Six only
20.00	Supplying and fixing 6 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.				
20.01	Single pole 6 Amp.	4	each	329	Rs. Three Hundred Twenty Nine only
20.02	Single pole 16 Amp.	7	each	329	Rs. Three Hundred Twenty Nine only
21.00	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
21.01	63 A DP	1	each	1563	Rs. One Thousand Five Hundred Sixty Three only
22.00	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
22.01	63 A	1	each	4266	Rs. Four Thousand Two Hundred Sixty Six only

	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required. Make: L&T, Havells, Anchor or any other approved by Engineer-in-Charge.				
23.00	Double Door 16-Way.	1	each	3095	Rs. Three Thousand Ninety Five only
24.00	Providing and fixing of following type Kit-kat Rewireable (Porcelain Fuse carrier & Base) fuse suitable for input voltage 415 V, 50/60HZ, complete in all respect as required:- Make: L&T, Havells or any other approved by Engineer-in-Charge.	1	each	483	Rs. Four Hundred Eighty Three only
24.01	Kit-Kat Fuse 63 Amp. 220 Volt	1	each	483	483
25.00	Supplying and fixing wooden boxes of following sizes (nominal size) on surface or in recess suitable for fixing meter/Kit-kat in front including painting etc. as required.	1	each	154	Rs. One Hundred Fifty Four only
25.01	Wooden Box 203mm.x 254mm.x60mm. Deep	1	each	154	154
26.00	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	1	Set	8977	Rs. Eight Thousand Nine Hundred Seventy Seven only
27.00	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	8	Meter	60	Rs. Sixty only
Total:-					112177

Condition:- Amount of Rs. 500/- shall be deducted by department for useful material.

*Draft schedule of quantity approved
for Rs. 112177 being less one lakh twelve
thousand one hundred seventy seven only*

W.M.

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