

No. PW-ED-I-AB – Tender /2024-25 6228-30
To

Dated:- 29-1-2025

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

Subject:- Publication of Tender Notice.

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

DA:- As above

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

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

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

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



HIMACHAL PRADESH PUBLIC WORKS DEPARTMENT
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 are hereby invited by the Executive Engineer, Electrical Division No. I HPPWD Shimla-9 in form No.6 & 8 on behalf of Governor 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: | 13.02.2025 Up to 1.00 P.M |
| (ii) Date of sale of tenders | 13.02.2025 Up to 2 PM to 5.00 PM |
| (iii) Last date of receipt of bids: - | 14.02.2025 Up to 10.30 A.M |
| (iv) Date of bid opening: - | 14.02.2025 at 11.00 A.M |

Sr. No.	Name of Work	Estimated Cost	EMD	Time:	Cost of Tender	Class of contractor Eligible
1	C/O District Hospital Building at Kather Solan, District Solan, (H.P) (SH:- Providing One No. Printer, One No. Desktop PC (AIO) and One No. UPS).	Rs. 80,482/-	1700/-	One Months	350/-	"D"
2	C/O Govt. ITI Building at Kaffota, District Sirmour (H.P) (SH:- Providing One No. Printer, One No Desktop PC (AIO) and one No UPS).	Rs. 80,482/-	1700/-	One Months	350/-	"D"
3	AMC of Bed cum passenger elevator in Distt hospital at Nahan in Distt-Sirmour for the year 2024-25 (w.e.f 26/10/2024 to 25/10/2025	Rs. 99 961/-	2000/-	One Year	350/-	specialized
4	Providing special repair/ Additional Alternation in Various set No. 5 type-I, Set No. 19 type-I & set No. 20 Type-I at Balquali Chaura Maidan Shimla.	Rs. 36,996/-	750/-	Two Months	350/-	"D"
5	Providing re-wiring in set No. 14 type I and Special Repair/Additional to E.I in various sets 6,9,10,11,16 at Winter Field Shimla-1	Rs. 86,677/-	1740/-	Two Months	350/-	"D"
6	Annual Repair & maintenance of 1 Nos. 125 KVA D.G set installed at Himachal Sewa Sadan Sec. 25 West Chandigarh for the year 2024-25.	Rs. 52,238/-	1000/-	Two Months	350/-	specialized
7	Repair and maintenance of E.I in various Govt. N/R building under Electrical Sub Division HPPWD Solan (Section Arki, Nalagarh & Rajgarh), Distt. Solan HP.	Rs. 95,894/-	2000/-	Two Months	350/-	"D"

8	Providing Electrical wiring and accessories in Circuit House & Rest House HPPWD Solan , Distt. Solan (H.P).	Rs. 96,118/-	2000/-	Two Months	350/-	"D"
9	Providing electrical installation to Treasury office and residence at Kasauli, Tehsil Kasauli, Distt. Solan (H.P).	Rs. 99,669/-	2000/-	Two Months	350/-	"D"
10	C/O Additional accommodation First floor in GSSS Deothi Majgaon, Tehsil Rajgarh, District Sirmour HP (SH:- Providing E.I therein).	Rs. 95,734/-	2000/-	Two Months	350/-	"D"
11	C/O Veterinary Dispensary building at Didag Tehsil Rajgarh Distt. Sirmour HP (SH:- Providing E.I therein).	Rs. 91,563/-	2000/-	Two Months	350/-	"D"

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

TERMS AND CONDITIONS:-

1. The earnest money in the shape of National Saving certificate. Time deposit account in any of the post office in HP/FDR or any Bank duly pledged in favor of Executive Engineer, Elect Division No I HPPWD Shimla-9 accompanied with the application for receipt of tender form along with cost of form.
2. The contractor/firm should possess the following documents (photo copy to be self attested with application for obtaining the tenders documents.
 - a) Latest enlistment/renewal orders with application for electrical works.
 - b) GST Number issued by the Sale Tax Department.
 - c) PAN (Permanent Account Number) issued by the Income Tax Department and copy of EPF issued from competent authority.
3. The Executive Engineer, Electrical Division No.I, HPPWD Shimla-9 reserves the right to reject any tender without assigning any reason(s)
4. The Cess charges @ 1% will be deducted from the gross amount of work done of the contractor.
5. The work will be completed by the contractor within the stipulated period.
6. The tender shall be issued to only those contractor/firms who are eligible suitable and competent.
7. The tender forms shall be issued to eligible contractors depending upon their past performance and work experience which shall be duly evaluated by the technical evaluation committee.
8. The contractor /firm having necessary documents and past adequate experience shall be preferred.
9. The contractor who has failed to start/complete the work already allotted in his favor within stipulated period shall not be issued tender forms.
10. A contractor enlisted in a particular class be eligible to tender for his own class and one step below
11. Only two number tender forms will be issued to the eligible contractor.
12. If any kind of holiday to be happened, the tender shall be opened on the next working day at 11.00 AM.
13. GST will be deducted as per rates fixed by the Government.

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

No.PW.ED.I.AB.Tender/2024-2025-


6203-10

Dated:-

29-01-2025

Copy forwarded to the following for information :-

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


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

DRAFT SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 80482.00
Earnest Money Rs. :- 1700.00
Time:- 15 days

Name of work:-C/o District Hospital Building at Kather Solan, District Solan (H.P) (SH:- Providing One No. Printer, One No. Desktop PC(AIO) and One No. UPS).

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Supplying and Installation of HP All-in-One Desktop model HP ProOne 200 G4 with:- Intel Core i5- 10700-10th Gen. Processor, 8GB DDR4 RAM expandable upto16GB, 1TB HDD (7200RPM), 21" anti glare LED display with FHD(1920x1080), Integrated HD Graphics & web-cam, 2xUSB 3.0, 2xUSB 2.0, card reader, Audio port, VGA/ HDMI/ DP port, 10/100/1000M IPV6 compliant LAN, USB Keyboard & USB Mouse, Internal spkr, connectivity: 1x802.11b/g/n/ac, PL-Windows10 Pro 64bit O.S. :- with Three years onsite warranty.	1.00 No.	55971.00	Rupees Fifty Five Thousand Nine Hundred Seventy One Only	Each	55971.00
1.01	Providing 256 GB SSD Drive.	1.00 No.	3627.00	Rupees Three Thousand Six Hundred Twenty Seven Only	Each	3627.00
2	Supplying of 650VA Offline UPS System with (Make: Vertiv Libert-ITON (total:168VAH) SMF batteries to provide 20min. battery backup (with 03 years warranty on UPS & batteries from delivery date).	1.00 No.	5241.00	Rupees Five Thousand Two Hundred Forty One Only	Each	5241.00
3	Supplying and Installation of Mono Chrome Multi-Function Laser Printer HP Laser MFP 136a printer :- A4 Size Paper, Printing speed 20PPM, Resolution 600dpi, Memory 128MB, Copy Speed (Mono) 20CPM, Scan Speed Black and Colour 6PPM & 3PPM Paper Tray Capacity 150 Pages, With One Year Warranty.	1.00 No.	15643.00	Rupees Fifteen Thousand Six Hundred Forty Three Only	Each	15643.00
Conditions:-					Total	80482.00

DNT No. 495 for the year 2024-25 is duly approved amounting to Rs. ₹. 80,482.00 only.

(Rupees Eighty Thousand Four Hundred Eighty Two Only)

- iii Rates should be quoted for all heights including all leads and lifts for internal and external works for all floor levels.
- iii Useful materials should be handed over to the Assistant Engineer Electrical Sub Division Solan otherwise credit for useful materials will be charged.
- iii Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of Indian standards.

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

DRAFT SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 80482.00
Earnest Money Rs. :- 1700.00
Time:- 15 days

Name of work:- C/o Govt. ITI Building at kaffota , District Sirmour (HP) .(SH:-Providing one No. Printer , One No Desktop PC(AIO) and one No UPS)


Sl. No.	Items of work	Quantity	In figures	Rate		Unit.	Amount.
				In words			
1	Supplying and Installation of HP All-in-One Desktop model HP ProOne 200 G4 with:- Intel Core i5- 10700-10th Gen. Processor, 8GB DDR4 RAM expandable upto16GB, 1TB HDD (7200RPM), 21" anti glare LED display with FHD(1920x1080), Integrated HD Graphics & web-cam, 2xUSB 3.0, 2xUSB 2.0, card reader, Audio port, VGA/ HDMI/ DP port, 10/100/1000M IPV6 compliant LAN, USB Keyboard & USB Mouse, Internal spkr, connectivity: 1x802.11b/g/n/ ac, PL-Windows10 Pro 64bit.O.S. :- with Three years onsite warranty.	1.00 No.	55971.00	Rupees Fifty Five Thousand Nine Hundred Seventy One Only		Each	55971.00
1.01	Providing 256 GB SSD Drive.	1.00 No.	3627.00	Rupees Three Thousand Six Hundred Twenty Seven Only		Each	3627.00
2	Supplying of 650VA Offline UPS System with (Make: Vertiv Libert-ITON (total:168VAH) SMF batteries to provide 20min. battery backup (with 03 years warranty on UPS & batteries from delivery date).	1.00 No.	5241.00	Rupees Five Thousand Two Hundred Forty One Only		Each	5241.00
3	Supplying and Installation of Mono Chrome Multi-Function Laser Printer HP Laser MFP 136a printer :- A4 Size Paper, Printing speed 20PPM, Resolution 600dpi, Memory 128MB, Copy Speed (Mono) 20CPM, Scan Speed Black and Colour 6PPM & 3PPmPaper Tray Capacity 150 Pages, With One Year Warranty.	1.00 No.	15643.00	Rupees Fifteen Thousand Six Hundred Forty Three Only		Each	15643.00
Total							80482.00

Conditions:-

- iii Rates should be quoted for all heights including all leads and lifts for internal and external works for all floor levels.
- iii Useful materials should be handed over to the Assistant Engineer Electrical Sub Division Nahan , otherwise credit for useful materials will be charged.
- iii Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of indian standards.

DNT No ... 476 for the year 2024-25 is duly approved amounting to Rs. ₹. 80,482.00 only.

(Rupees Eighty Thousand Four Hundred Eighty Two Only)


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

DART SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 99961.00
 Earnest Money Rs. :- 2000.00
 Time:- One Year

Name of work:- AMC of Bed cum Passenger elevator in Distt Hospital at Nahan in Distt Sirmour for the year 2024-25(w.e.f 26/10/2024 to 25/10/2025)

Sl. No.	Items of work	Quantity	Rate		Amount.
			In figures	In words	
1.00	Regular examination, lubrication and adjustment of the equipment and planned maintenance in a systematic manner and replacement of parts as detailed below:- i (i) Check all wires ropes and chains to maintain an adequate factor of safety, to equalize tension on all housing ropes, repair or replace conductor cable and hoistway and machine room elevator wiring and replace the same if required under intimation to Er-in-Charge. ii (ii) Systematic examining and adjustment of motor, machine, panel, car door operator, touch/push buttons, car door hanger, car frame car safety mechanism and platforms, emergency light emergency alarm, lift fan and batteries etc and replacement of all equipments and cards required to make the lift functional. iii (iii) Examine periodically all safety devices and governor and all customary safety tests iv (iv) The firm will provide emergency minor adjustment call back services 24 hours as all working days as well as holidays/sundays. The firm will maintain the lift in reliable and efficient operating conditions. The max breakdown period for lift shall not be more than 48 hours in any case, otherwise penalty will be imposed on the firm per day basis.				
1.01	Regular systematic examination, adjustment lubrication of machine, controller parts i/e replacement of wornout parts, gears, thrust bearings, brake shoe, rotating element contact coil resistances for operating motor circuits, magnetic frames and other mechanical parts as well as elevators, equipment in proper and safe operating conditions i/e emergency, minor adjustment, call back service to the best satisfaction of Er in Charge for the year 2024-25 (w.e.f 26-10-2024 to 25-10-2025) Passenger cum bed elevator of OTIS machine no. Y000319.	1.00	P/Job	99961.00 Rupees Ninety Nine Thousand Nine Hundred Sixty One Only	99961.00
Total					99961.00

DNT No. 27 for the year 2024-25 is duly approved amounting to Rs. ₹. 99,96100 only.

(Rupees Ninety Nine Thousand Nine Hundred Sixty One Only)

- Conditions:-
- Rates should be quoted for all heights including all leads and lifts for internal and external works for all floor levels.
 - Useful materials should be handed over to the Assistant Engineer Electrical Sub Division Nahan, otherwise credit for useful materials will be charged.
 - Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of Indian standards.

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

DRAFT SCHEDULE OF QUANTITY

Estimated Cost Rs.36,996/-Only
Earnest Money Rs.750/-Only
Time Allowed- ~~Fifteen~~ Five Day.

Name of Work:-Providing special repair/ Additional Alteration in Various Set No. 5 Type - I, Set No.19 Type - I & Set No.20 Type -I at Balquaili Chaura Maidan Shimla

S.No.	DESCRIPTION	QTY	UNIT	Rate		AMNT
				In Words	In Figures	
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	10	Each	823	Eight Hundred Twenty Three 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	13	Meter	204	Two Hundred Four Only	2652
2.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	22	Meter	335	Three Hundred Thirty Five Only	7370
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	Two Hundred Seventy Two 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.	3	each	414	Four Hundred Fourteen Only	1242
5	Supplying and fixing call bell buzzer suitable for single phase, 230 V, complete as required.	1	each	208	Two Hundred Eight Only	208

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	THD-Less than 10%						
	Surge Protection-2.5 KV minimum						
	Efficiency Driver->85%						
	Protection-Shall have under voltage and over voltage protection.						
	Guarantee of LED fittings including LED driver-2 years against manufacturing defect.						
	Fixture-Should comply with LM 79 test from NABL/UL lab.						
	LED Type/ Make/ Model-Power CREE/ OSRAM/ NICHIA/ Philips LUMILED with life more than 25000 burning hours @70% lumen maintenance complying with LM 80 test report from the manufacturer.						
	Life of LED-25000 burning hours at 70% lumen maintenance						
9.01	LED Batten Light >1000 Lumens.	1	each	563	<i>Five included supply line only</i>	563	
9.02	LED Batten Light >2000 Lumens.	4	each	649	<i>Five included supply line only</i>	2596	
10	Providing and installation exhaust fan of following sizes in the existing						
10.01	Exhaust Fan, Light duty, (Domestic) 230mm sweep	1	each	2216	<i>Two included has included system only.</i>	2216	
11	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.						
11.01	Exhaust Fan, 250 mm sweep	1	each	2991	<i>Two thousand nine hundred and ninety one only</i>	2991	
12	Providing and installation of following type of LED Bulk Head with PDC/CRCA housing (aluminium extrusion), anti glare polycarbonate diffuser, complete with all accessories, connections, testing etc. as required. of Approved Make. Approved Make Philips, Havells, Bajaj, wipro Goldmedal & Panasonic as per following specification.						
	Wattage of LED fittings- As per following parameters						
	Total lumens of the LED fittings- Minimum 800 lumen						
	Diffuser-polycarbonate diffuser/PMMA						

6	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required Approved make Havells, L&T, ABB, legrand, Schneider & C&S.				
6.01	Single pole. Cat-A.	3	each	315	Three Hundred Fifteen Only
7	Supplying and fixing Higher Rating (50 to 63 A) 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.. as required. Approved make Havells, L&T, ABB, legrand, Schneider & C&S.				
7.01	MCB DP 50/63 A 'C' curve	1	each	1549	One Thousand Five Hundred Forty Nine Only
8	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, 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) Approved make Havells, L&T, ABB, legrand, Schneider & C&S.				
8.01	6 way, Double door	1	each	2419	Two Thousand Four Hundred Nineteen Only
9	Providing and installation of following type of LED batten with aluminium				
	Wattage of LED fittings- As per following parameters				
	Total lumens of the LED fittings- as per individual fittings mention below				
	Diffuser-polycarbonate diffuser/PMMA				
	Operating voltage-140V to 270V, AC supply				
	Input frequency-50 Hz + 1 Hz				
	Power factor-Minimum 0.90				
	Luminaire efficacy->100 lm/w				
	Color rendering index-CRI shall be greater than 80				
	Working/ operating temperature-0 to + 45c or better				
	Color temperature-6000K to 10%				
	Electronic Driver				
	Drive current (LED)-As per OEM.				
	Operating voltage-140 V to 270 V AC supply or better				
	Type of driver-Constant current output driver				

	Operating voltage-140V to 270V, AC supply					
	Input frequency-50 Hz + 1 Hz					
	Power factor-Minimum 0.90					
	Luminaire efficacy->80 lm/w					
	Color rendering index-CRI shall be greater than 80					
	Working/ operating temperature-0 to + 45c or better					
	Color temperature-6000K to 10%					
	Electronic Driver					
	Drive current (LED)-As per OEM.					
	Operating voltage-140 V to 270 V AC supply or better					
	Type of driver-Constant current output driver					
	THD-Less than 10%					
	Surge Protection-2 KV minimum					
	Efficiency Driver->85%					
	Protection-Should have under voltage and over voltage protection.					
	Guarantee of LED fittings including LED driver-2 years against					
	Fixture-Should comply with LM 79 test from NABL/UL lab.					
	LED Type/ Make/ Model-Power CREE/ OSRAM/ NICHIA/ Philips LUMILED with life more than 25000 burning hours @70% lumen maintenance complying with LM 80 test report from the manufacturer.					
	Life of LED-50000 burning hours at 70% lumen maintenance					
12.01	LED Bulk head >800 Lumens.	3	EACH	1157	<i>one thousand one hundred fifty seven only.</i>	3471
						36996

Note:- The credit for old dismantled material will be recovered from the contractor on L/S basis @ Rs. 500/- Only

[Signature]
Assistant Engineer,
Electrical Sub-Divn. No.-1
HP.PWD, Shimla-171004

D NIT NO 110 for the year 2014-15 duly approved for Rs. 36996/- only.

[Signature]
Executive Engineer,
Electrical Division No-1
HP.PWD, Shimla-171004

DRAFT SCHEDULE OF QUANTITY

Estimated Cost Rs.86,677/-Only
Earnest Money Rs.1740/-Only
Time Allowed- Fifteen Day

Name of Work: - Providing re-wiring in Set No-14 type I and Special Repair/Additional Alternation to E.I in various sets 6,9,10,11,16 at winter field Shimla-1.

S.No.	DESCRIPTION	QTY	UNIT	Rate		AMNT
				In Words	In Figures	
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.	16	point	716	Seven Hundred Sixteen Only	11456
1.01	Group A					
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.	42	Meter	204	Two Hundred Four Only	8568
2.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	45	Meter	335	Three Hundred Thirty Five Only	15075
2.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	14	each	272	Two Hundred Seventy Two Only	3808
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.	7	each	414	Four Hundred Fourteen Only	2898
4	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.	14	each	43	Fourty Three Only	602
5	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.	8	each	68	Sixty Eight Only	544
5.01	5/6 amps switch	7	each	124	One Hundred Twenty Four Only	868
5.02	3 pin 5/6 A socket outlet					
5.03	15/16 A switch					

5.04	6 pin 15/16 A socket outlet	7	each	134	One Hundred Thirty Four Only	938
6	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	4	each	208	Two Hundred Eight Only	832
7	Supplying and fixing PVC batten/ angle holder including connections etc. as required.	6	each	102	One Hundred Two Only	612
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	14	each	315	Three Hundred Fifteen Only	4410
9	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
9.01	63 A DP	2	each	1549	One Thousand Five Hundred Fourty Nine Only	3098
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	8 way, Double door	2	each	2650	Two Thousand Six Hundred Fifty Only	5300
11	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.					
11.01	Exhaust Fan, 200 mm sweep	1	each	2807	Two Thousand Eight Hundred Seven Only	2807
12	Providing and installation exhaust fan of following sizes in the existing opening, Double ball bearing type metal frame including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: of Approved Make Domestic type.					
12.01	Exhaust Fan, Light duty, (Domestic) 225/230 mm sweep	4	each	2216	Two Thousand Two Hundred Sixteen Only	8864

13	Providing and installation of following type of LED Batten with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours,THD<15% in white finish and separated energy efficient constant current, non-integral, electronic driver,relevant LM 79/80 compliance fromUN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make	14	each	649	Six Hundred Fourty Nine Onll	9086
13.01	LED Batten Light 20W	2	each	563	Five Hundred Sixty Three Only	1126
13.02	LED Batten Light 10W					
14	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					
14.01	LED Bulk Head Light 10W	5	each	1157	One Thousand One Hundred Fifty Seven Only	5785
	Total:-					86677

Note:- The credit for old dismantled material will be recovered from the contractor on LS basis @ Rs. 800/- Only

Assistant Engineer,
Electrical Sub-Divn. No.-1
HP.PWD, Shimla-171004

*DAIT No 112 for the year 2014-15
duly approved for Rs. 86677 only*

Executive Engineer,
Electrical Division No-1
HP.PWD, Shimla-171009

Estimated cost Rs. 52,238/-
Earnest Money Rs.1000 /=
Time Period . 1 year

DRAFT SCHEDULE OF QUANTITY

Name of Work :- Annual Repair & Maintenance of 1 Nos 125 KVA D.G.Set installed at Himachal Sewa Sadan Sec. 25 West Chandigarh for the Year 2024-2025

Sr.No	Description of items	Qty.	Rate		Unit	Amount
			In figure	In words		
1	Providing annual maintenance to 125 KVA D.G set installed at Himachal Sewa Sadan Sec. 25 west Chandigarh. The following will be the scope of preventive/corrective maintenance complete in all respects as required to the best satisfaction of Engineer in charge.					
(i)	Monthly visit to check the general condition of DG set and setting operation parameters as specified by manufacturing company.					
(ii)	Service of D.G.sets will be carried out strictly as per Sudhir Gensets norms and all spare parts charges will be paid extra.					
(iii)	Lube oil and filter change will be carried out strictly as per Sudhir Gensets norms.					
(iv)	Replacement of Air cleaner element as per Sudhir Gensets norms.					
(v)	Checking and monitoring the performance during each visit.					
(vi)	Checking ensure optimum performance of sub-assemblies of Machine.					
(vii)	Checking fuel timing,tappet clearance etc.,for Diesel Engines and reset the same as reqd.					
(viii)	Checking all the fasteners.					

(ix)	Checking and setting operation of warning devices.								
(x)	Checking and setting operational parameters of breakdown of Engines.								
2	Spin lube oil filter cartridge, fuel filter element pre. Fuel element sec., coolant, engine oil 22 ltr. Approx, main element for air cleaner, fan belt, rubber hose air cleaner, hose radiator to engine, hose engine to radiator, fuel pipe feed pump to filter, fuel pipe filter to pump, battery maintenance will be included in the AMC. No extra labour charges will be given for above mentioned work.	1	52238	Fifty two thousand two hundred thirty eight only	P/Job	52238			
	Conditions:-				TOTAL	52238			

DNT NO. for the year 2024-25 is duly approved
amounting to Rs 52,238/- only


Assistant Engineer
Electrical Sub-Division,
HPWD Solan

Estimated cost Rs. 95,894/-
Earnest Money Rs.2000 /=
Time Period . 15 days ~~Two months~~

DRAFT SCHEDULE OF QUANTITY

Name of Work :-Repair and maintenance of E.I in various Govt. N/R building under Electrical Sub Division HPPWD Solan (Section Arki,Nalagarh & Rajgarh), Distt. Solan HP.

Sr.No.	Description of items	Qty.	Rate		Unit	Amount
			In figure	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 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.	12	1225	One thousand two hundred twenty five only	Each	14700
a	Group-C					
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.	80	204	Two hundred four only	P/mtr	16320
(a)	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	70	335	Three hundred thirty five only	P/mtr	23450
(b)	2 X 4 sq. mm + 1 X 4 sq. mm earth wire					
3	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.	50	111	One hundred eleven only	P/mtr	5550
a	3 x 1.5 Sq. mm.	40	249	Two hundred forty nine only	P/mtr	9960
b	3 x 4 Sq. mm.					
4	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. 25 mm. dia	40	96	Ninety six only	P/mtr	3840

5	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	20	406	Four hundred six only	Each	8120
6	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	12	622	Six hundred twenty two only	Each	7464
7	S/E of LED Batten with polycarbonate body and diffuser The fitting should be installed on existing surface/recess The job includes carriage, erection, making connections testing and commissioning of the fittings. Specification of LED fittings:					
	Wattage of LED fittings-As per following parameter.					
	Total lumens of the fittings.-as below					
	Diffuser - Polycarbonate diffuser/PMMA					
	Operating voltage =140 V to 270 V, AC supply or better.					
	Input frequency =50 Hz + 1 Hz					
	Power factor =Minimum 0.90					
	Luminaire efficacy =>100 lm/w					
	Color rendering index=CRI shall be greater than 80					
	Working/ operating temperature =00 to + 450c or better					
	Color temperature =60000K + 10%					
	Electronic Driver					
	Drive current (LED)=As per OEM.					
	Operating voltage =140 V to 270 V, AC supply or better.					
	Type of driver =Constant current output driver					
	THD =Less than 10%					
	Surge Protection =2.5 KV minimum					
	Efficiency Driver=>85%					

	Protection=Shall have under voltage and over voltage protection.					
	Guarantee of LED fittings including LED driver =2 years against manufacturing defect.					
	Fixture =Should comply with LM 79 test from UL/NABL lab.					
	LED Type/ Make/ Model-Power CREE/ OSRAM/ NICHIA/ Philips LUMILED with life more than 25,000 burning hours @70% lumen maintenance complying with LM 80 test report from the manufacturer.					
	Life of LED=25000 burning hours at 70% lumen maintenance					
a	Lumen output of the fitting=>2000 Lumens	10	649	Six hundred Forty nine only	Each	6490
					TOTAL	95894

Conditions:-

1. Rates should be quoted for all heights including all leads and lifts for internal and external works for all floor levels.
2. Useful materials should be handed over to the Assistant Engineer ESD Solan ,otherwise credit for useful materials will be charged.
3. Sample of all the material to be used on work shall be got approved from the Engineer in charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of Indian standards.

DNIT NO. for the year 2024-25 is duly approved amounting to Rs. 95,894/= only

(Rs. Ninety five thousand eight hundred ninety four only.)


Assistant Engineer
Electrical Sub-Division,
HPPWD Solan


Executive Engineer,
Electrical Division No-1
HPPWD, Shimla-171009

Estimated cost Rs. 96,118/-
Earnest Money Rs.2000 /=
Time Period . 15 days *7100 months*

DRAFT SCHEDULE OF QUANTITY

Name of Work :- **Providing electrical wiring and accessories in Circuit house & Rest house HPPWD Solan, Distt. Solan HP.**

Sr.No.	Description of items	Qty.	Rate		Unit	Amount
			In figure	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 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.					
a	Group-C	6	1225	One thousand two hundred twenty five only	Each	7350
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.					
a	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	40	204	Two hundred four only	P/mtr	8160
b	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	20	335	Three hundred thirty five only	P/mtr	6700
3	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.					
a	3 x 1.5 Sq. mm.	50	111	One hundred eleven only	P/mtr	5550
b	3 x 4 Sq. mm.	30	249	Two hundred forty nine only	P/mtr	7470
4	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. 25 mm. dia	20	96	Ninety six only	P/mtr	1920

5	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	10	406	Four hundred six only	Each	4060
6	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required. S/E of LED Batten with polycarbonate body and diffuser The fitting should be installed on existing surface/recess The job includes carriage, erection, making connections testing and commissioning of the fittings.Specification of LED fittings:	8	622	Six hundred twenty two only	Each	4976
7						
	Wattage of LED fittings-As per following parameter.					
	Total lumens of the fittings.-as below					
	Diffuser - Polycarbonate diffuser/PMMA					
	Operating voltage =140 V to 270 V, AC supply or better.					
	Input frequency =50 Hz + 1 Hz					
	Power factor =Minimum 0.90					
	Luminaire efficacy =>100 lm/w					
	Color rendering index=CRI shall be greater than 80					
	Working/ operating temperature =00 to + 450c or better					
	Color temperature =60000K + 10%					
	Electronic Driver					
	Drive current (LED)=As per OEM.					
	Operating voltage =140 V to 270 V, AC supply or better.					
	Type of driver =Constant current output driver					
	THD =Less than 10%					
	Surge Protection =2.5 KV minimum					
	Efficiency Driver=>85%					

	Protection=Shall have under voltage and over voltage protection.						
	Guarantee of LED fittings including LED driver =2 years against manufacturing defect.						
	Fixture =Should comply with LM 79 test from UL/NABL lab.						
	LED Type/ Make/ Model-Power CREE/ OSRAM/ NICHLA/ Philips LUMILED with life more than 25,000 burning hours @70% lumen maintenance complying with LM 80 test report from the manufacturer.						
	Life of LED=25000 burning hours at 70% lumen						
a	Lumen output of the fitting=>2000 Lumens	12	649	Six hundred Forty nine only	Each	7788	
8	Installation of ventilating /exhaust fan in the						
a	Exhaust Fan, 250 mm sweep	4	2991	Two thousand nine hundred ninety one only	Each	11964	
9	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:-						
a	25 Liter capacity water heater (Cat-A)	2	15090	Fifteen thousand ninety only	Each	30180	
	Conditions:-				TOTAL	96118	

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

2. Useful materials should be handed over to the Assistant Engineer ESD Solan, otherwise credit for useful materials will be charged.

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

DNIT NO. ¹⁰ for the year 2024-25 is duly approved amounting to Rs. 96,118/= only

(Rs. Ninety six thousand one hundred eighteen only.)

Assistant Engineer,
Electrical Sub-Division,
HPPWD Solan

Executive Engineer,
Electrical Division No-1
HPPWD, Shimla-171009

Estimated cost Rs. 99,669/-
Earnest Money Rs.2000 /=
Time Period . 2 Month

DRAFT SCHEDULE OF QUANTITY

Name of Work :- Providing electrical installation to Treasury office and residence at Kasauli, Tehsil Kasauli, Distt. Solan (H.P)

Sr.No.	Description of items	Qty.	Rate		Unit	Amount
			In figure	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 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.	16	641	Six hundred forty one only	Each	10256
2	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.	80	79	Seventy nine only	P/mtr	6320
(a)	3 x 1.5 Sq. mm.	80	79	Seventy nine only	P/mtr	6320
(b)	3 x 4.0 Sq. mm.	42	183	One hundred eighty three only	P/mtr	7686
3	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.					
(a)	5/6 amps switch	35	43	Forty three only	Each	1505
(b)	3 pin 5/6 amp socket outlet	7	68	Sixty eight only	Each	476
4	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.25mm dia.	24	98	Ninety eight only	P/mtr	2352
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 FRLS in front including providing and fixing 3 pin 5/6 amps socket outlet and 5/6 amps piano type switch, connection, painting etc. as required.	3	303	Three hundred three only	Each	909

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 FRLS in front 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.	5	414	Four hundred fourteen only	Each	2070
7	Providing and installation of following type of surface mounting square/round type LED panel Light with aluminium die cast housing in white finish with anti glare polycarbonate diffuser and separated energy efficient constant current, non-integral, electronic driver; suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make					
(a)	Square/round LED Panel Light 10/12W Surface	6	1578	One thousand five hundred seventy eight only	Each	9468
(b)	Square/round LED Panel Light 24 W Surface	4	2391	Two thousand three hundred ninety one only	Each	9564
8	Providing and installation of following type of LED batten with aluminium housing, anti glare polycarbonate diffuser and energy efficient constant current, integral electronic driver; suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, including mounting clamps, connections, testing etc. as required: of Approved Make					
(a)	LED Batten Light 20W	4	798	Seven hundred ninety eight only	Each	3192
9	Supplying and fixing of following LED bulk head fitting with all accessories including making connections, testing etc. as required. Make:- Havells Philips, Panasonic, Wipro or any other approved by Engineer-in-Charge. LED bulk head 10/12W	5	1021	One thousand twenty one only	Each	5105

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					
(a)	Exhaust Fan, Light duty, (Domestic) 300 mm sweep	3	2080	Two thousand eighty only	Each	6240
11	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	1	170	One hundred seventy only	Each	170
12	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	257	Two hundred fifty seven only	Each	2570
13	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.					
(a)	MCB DP 50/63 A 'C' curve	1	1429	One thousand four hundred twenty nine only	Each	1429
14	Supplying and erection of sub-panel 63 Amp. cubical panel enclosure DMC/SMC Insulator supports control wiring with thimble power wiring with thimble terminal block & short links door locks & hinges rubber gasket heat shrinkable sleeves colour coded engraved name plate indoor type wall mounted complete with locking arrangement to house 63 Amp. MCCB with 100 Amp Copper busbar Phase indication lamps RYB. The cubical panel shall have cable entry at two sides complete in all respects including the cost of switchgears.	1	23932	Twenty three thousand nine hundred thirty two only	Each	23932
15	Supplying and fixing of fancy wall bracket suitable for input voltage: AC 220- 240 V, 50/60Hz, complete with all accessories, lamp holder, but excluding lamp including making connections, testing etc. as required: of Approved Make					

(a)	Wall light fixture Polycarbonate body, suitable for 9 W retrofit LED lamp B22 base.	5	1004	One thousand four only	Each	5020
16	Supplying and fixing brass batten/ angle holder including connection etc. as required.	2	104	One hundred four only	Each	208
17	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: Syska, Havelles, Panasonic or any other approved by Engineer-in-Charge.	7	171	One hundred seventy one only	Each	1197
					TOTAL	99669

Conditions:-

1. Rates should be quoted for all heights including all leads and lifts for internal and external works for all floor levels.
2. Useful materials should be handed over to the Assistant Engineer ESD Solan ,otherwise credit for useful materials will be charged.
3. Sample of all the material to be used on work shall be got approved from the Engineer in charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of Indian standards.

DNIT NO. .../... for the year 2024-25 is duly approved amounting to Rs. 99,669/= only

(Rs. Ninety nine thousand six hundred sixty nine only.)


Assistant Engineer
Electrical Sub-Division,
HPPWD Solan


Executive Engineer,
Electrical Division No-1
HPPWD, Shimla-171009

Estimated cost Rs. 95,700/-
 Earnest Money Rs.2000 /-
 Time Period . 1 year

DRAFT SCHEDULE OF QUANTITY

Name of Work :- C/o Additional accommodation at first floor in GSSS Deothi Maigaon, Tehsil Rajgarh, District Sirmour HP(SH: Providing E.I therein).

Sr.No.	Description of items	Qty.	Rate		Unit	Amount
			In figure	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 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.	21	1225	One thousand two hundred twenty five only	Each	25725
a	Group-C					
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.	70	204	Two hundred four only	P/mtr	14280
(a)	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	15	335	Three hundred thirty five only	P/mtr	5025
(b)	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	3	664	Six hundred sixty four only	P/mtr	1992
(d)	2 X 10 sq. mm + 1 X 6 sq. mm earth wire					
3	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	2	406	Four hundred six only	Each	812
4	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	1	622	Six hundred twenty two only	Each	622

5	Providing and installation of following type of LED Batten with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours,THD<15% in white finish and seprated energy efficient constant current, non-integral, electronic driver,relavent LM 79/80 complainece 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					
a	LED Batten Light 20W	3	649	Six hundred forty nine only	Each	1947
6	Providing and installation of following type of Surface mounting square type LED Downlight with PDC/CRCA housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 100 lm/Watt with minimum 50000 burning hours,THD<15% in white finish and seprated energy efficient constant current, non-integral, electronic driver,relavent LM 79/80 complainece 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					
a	Square LED Down Light 15W Surface	8	1783	One thousand seven hundred eighty three only	Each	14264

7	Supply, Installation, Testing and Commissioning of following sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CM/MW) minimum 6.85, Air delivery minimum 215 CMM, 300 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote/ BLDC electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.					
a	Ceiling Fan 1200 mm sweep	6	3843	Three thousand eight hundred forty three only	Each	23058
8	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.	6	425	Four hundred twenty five only	Each	2550
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)					
a	8 way , Double door	1	2650	Two thousand six hundred fifty only	Each	2650
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.					
a	Single pole	4	315	Three hundred fifteen only	Each	1260

11	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.					
a	63 A DP	1	1549	One thousand five hundred forty nine only	Each	1549
					TOTAL	95734

Conditions:-

1. Rates should be quoted for all heights including all leads and lifts for internal and external works for all floor levels.
2. Useful materials should be handed over to the Assistant Engineer ESD Solan ,otherwise credit for useful materials will be charged.
3. Sample of all the material to be used on work shall be got approved from the Engineer in charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of Indian standards.

DNIT NO. 12 for the year 2024-25 is duly approved amounting to Rs. ~~95,700/-~~ only 95734/- only

(Rs. Ninety five thousand seven hundred only) and fifty four only


Assistant Engineer
Electrical Sub-Division,
HPPWD Solan


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

Estimated cost Rs. 91,563/-
Earnest Money Rs.2000 /=
Time Period . 1 year

DRAFT SCHEDULE OF QUANTITY

Name of Work :- Name of Work :- C/o Veterinary Dispensary building at Didag Tehsil Rajgarh Distt. Sirmour HP(SH: Providing E.I therein)

Sr.No.	Description of items	Qty.	Rate		Unit	Amount
			In figure	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 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.					
a	Group-C	13	1225	One thousand two hundred twenty five only	Each	15925
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.					
(a)	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	28	204	Two hundred four only	P/mtr	5712
(b)	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	30	335	Three hundred thirty five only	P/mtr	10050
(c.)	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	15	583	Five hundred eighty three only	P/mtr	8745
(d)	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	1	664	Six hundred sixty four only	P/mtr	664
3	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.					
a	3 x 1.5 Sq. mm.	10	111	One hundred eleven only	P/mtr	1110
b	3 x 4 Sq. mm.	8	249	Two hundred forty nine only	P/mtr	1992

4	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.	6	406	Four hundred six only	Each	2436
5	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	3	622	Six hundred twenty two only	Each	1866
6	S/E of LED Batten with polycarbonate body and diffuser The fitting should be installed on existing surface/recess The job includes carriage, erection, making connections testing and commissioning of the fittings. Specification of LED fittings:					
	Wattage of LED fittings-As per following parameter.					
	Total lumens of the fittings.-as below					
	Diffuser - Polycarbonate diffuser/PMMA					
	Operating voltage =140 V to 270 V, AC supply or better.					
	Input frequency =50 Hz + 1 Hz					
	Power factor =Minimum 0.90					
	Luminaire efficacy =>100 lm/w					
	Color rendering index=CRI shall be greater than 80					
	Working/ operating temperature =00 to + 450c or better					
	Color temperature =60000K + 10%					
	Electronic Driver					
	Drive current (LED)=As per OEM.					
	Operating voltage =140 V to 270 V, AC supply or better.					
	Type of driver =Constant current output driver					
	THD =Less than 10%					
	Surge Protection =2.5 KV minimum					
	Efficiency Driver=>85%					

	Protection=Shall have under voltage and over voltage protection.					
	Guarantee of LED fittings including LED driver =2 years against manufacturing defect.					
	Fixture =Should comply with LM 79 test from UL/NABL lab.					
	LED Type/ Make/ Model-Power CREE/ OSRAM/ NICHIA/ Philips LUMILED with life more than 25,000 burning hours @70% lumen maintenance complying with LM 80 test report from the manufacturer.					
	Life of LED=25000 burning hours at 70% lumen maintenance					
a	Lumen output of the fitting=>2000 Lumens	5	649	Six hundred Forty nine only	Each	3245
7	S/E of LED bulk head IP 66 rated with aluminium body/PDC housing The fitting should be installed on existing surface The job includes carriage, erection, making connections testing and commissioning of the fittings.					
	Wattage of LED fittings-As per following parameter.					
	Total lumens of the fittings.-as below					
	Diffuser - Polycarbonate diffuser/PMMA					
	Operating voltage =140 V to 270 V, AC supply or better.					
	Input frequency =50 Hz + 1 Hz					
	Power factor =Minimum 0.90					
	Luminaire efficacy =>80 lm/w					
	Color rendering index=CRI shall be greater than 80					
	Working/ operating temperature =0o to + 45oc or better					
	Color temperature =60000K + 10%					
	Electronic Driver					
	Drive current (LED)=As per OEM.					
	Operating voltage =140 V to 270 V, AC supply or better.					
	Type of driver =Constant current output driver					
	THD =Less than 10%					

	Surge Protection =2 KV minimum						
	Efficiency Driver=>85%						
	Protection=Shall have under voltage and over voltage protection.						
	Guarantee of LED fittings including LED driver =2 years against manufacturing defect.						
	Fixture =Should comply with LM 79 test from UL/NABL lab.						
	LED Type/ Make/ Model-Power CREE/ OSRAM/ NICHIA/ Philips LUMILED with life more than 50,000 burning hours @70% lumen maintenance complying with LM 80 test report from the manufacturer.						
	Life of LED=50000 burning hours at 70% lumen maintenance						
a	Lumen output of the fitting=>800 Lumens	3	1157	One thousand one hundred fifty seven only	Each	3471	
8	Supplying and fixing of LED street light versatile pressure die-cast aluminium housing with UV stabilized PC IP diffuser for better light distribution along with electronic driver, complete with all accessories including making connections, testing etc. as required. Make:- C&S, Wipro, Philips, Panasonic, or any other approved by Engineer-in-Charge.						
a	LED street light 25 W	1	4471	Four thousand four hundred seventy one only	Each	4471	
9	Supplying and erection of street light bracket made of G.I. pipe 'A' class of suitable length and dia, the pipe bended to give an angle of 100 to 110 degree fitted with bolt & nuts at the top of existing pole or wall including painting the pipe with two coats of approved paint over priming coat complete in all respects as required:- 32 mm dia. G.I. pipe, heavy class	1	700	Seven hundred only	Each	700	

10	Supply, Installation, Testing and Commissioning of following sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CM/M/W) minimum 6.85, Air delivery minimum 215 CMM, 300 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote/ BLDC electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.					
a	Ceiling Fan 1200 mm sweep	3	3843	Three thousand eight hundred forty three only	Each	11529
11	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.	3	425	Four hundred twenty five only	Each	1275
12	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	1	208	Two hundred eight only	Each	208
13	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)					
a	12 way , Double door	1	3152	Three thousand one hundred fifty two only	Each	3152
14	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					

a	63 A DP	1	1549	One thousand five hundred forty nine only	Each	1549
15	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.					
a	63 A	1	4249	Four thousand two hundred forty nine only	Each	4249
16	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.					
a	Single pole	6	315	Three hundred fifteen only	Each	1890
17	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.	1	6649	Six thousand six hundred forty nine only	Each	6649
18	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	15	45	Forty five only	Each	675
					TOTAL	91563

Conditions:-

1. Rates should be quoted for all heights including all leads and lifts for internal and external works for all floor levels.
2. Useful materials should be handed over to the Assistant Engineer ESD Solan, otherwise credit for useful materials will be charged.
3. Sample or all the material to be used on work shall be got approved from the Engineer in charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of Indian standards.

DNIT NO. 13 for the year 2024-25 is duly approved amounting to Rs. 91,563/- only

(Rs. Ninety one thousand five hundred sixty three only.)

Assistant Engineer
Electrical Sub-Division,
HPPWD Solan

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