

**Before the Hon'ble Himachal Pradesh Electricity Regulatory
Commission Shimla-9.**

Filing No. 08 of 2023

Petition No.....

In the matter of: Revised proposal for Fixation of per kW/KVA normative rates towards expenditure to be incurred by Distribution Licensee for development of Electric network for providing Power Supply upto 150 kW/KVA at LT/11/22 kV voltage level.

And

Himachal Pradesh State Electricity Board Limited
(hereafter referred to as "HPSEBL" or "The
HPSEBL"), Vidyut Bhawan, Shimla-171004.

...Applicant

Revised proposal for Fixation of per kW/KVA normative rates towards expenditure to be incurred by Distribution Licensee for development of Electric network for providing Power Supply upto 150 kW/KVA at LT/11/22 kV voltage level.

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Recd
25/10/24

**Before the Hon'ble Himachal Pradesh Electricity Regulatory
Commission Shimla-9.**

Filing No. 08 of 2023

Amended Petition No.....

In the matter of: Revised proposal for Fixation of per kW/KVA normative rates towards expenditure to be incurred by Distribution Licensee for development of Electric network for providing Power Supply upto 150 kW/KVA at LT/11/22 kV voltage level.

And

Himachal Pradesh State Electricity Board Limited
(hereafter referred to as "HPSEBL" or "The
HPSEBL"), Vidyut Bhawan, Shimla-171004.

....Applicant

HPSEBL has filed the Petition under Regulation 4 of Himachal Pradesh Electricity Regulatory Commission (Recovery of Expenditure for Supply of Electricity) Regulations, 2012 to fix the per kW/KVA normative rates towards expenditure to be incurred by Distribution Licensee for development of Electric network for providing Power Supply upto 150 kW/KVA at LT/11/22 kV voltage level vide filing No. 08 of 2023 dated 10.01.2023. Now, HPERC vide letter No. HPERC-419-Vol-V/2018-1094 dated 05.07.2024 has directed to submit the modified/revised proposal, duly taking into account the observations and any other aspects not already included.

1. Respectfully Sheweth:

1.1 Preliminary Submission:

That HPSEB Ltd. is presently recovering the cost of service line as per Regulation 4 of HPERC (Recovery of Expenditure for Supply of Electricity) Regulations, 2012, which came into force on the date of its publication in the Rajpatra, H.P. on dated 23.5.2012, by framing the estimate for individual connection each time as per site conditions and in line with approved Cost Data available for the respective year.



1.2 That Under Ease of Doing Business HPSEBL had earlier submitted the proposal for normative fixed cost of service line up to 50 kW / kVA to be released on LT supply Voltage vide petition No. 41 of 2018 and Commission has approved the normative fixed rates on 17.12.2018 and is being implemented.

1.3 That Ministry of Power Govt. of India has notified Electricity (Rights of Consumers) Rules, 2020 which has been published in The Gazette of India on 31-12-2020 for wherein various rules related to rights of the consumer has been prescribed by the Govt. of India. Under Sub-rule (13) of Rule 4 regarding release of new connection and modification of existing connection following has been provided:-

For electrified areas up to 150 kW/KVA or such higher load as the Commission may specify the connection charges for new connection shall be fixed on the basis of the load, category of connection sought and average cost of connection of the distribution licensee so as to avoid site inspection and estimation of demand charges for each and every case individually. The demand charges, in such cases, may be paid at the time of application for new connection.

1.4 That HPERC has directed HPSEBL to submit the petition on normative connection charges for load up to 150 kW/KVA.

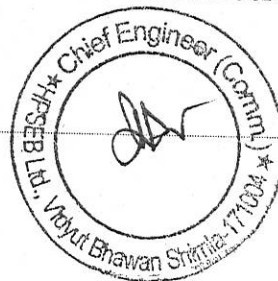
2. The Proposal:

In this context the point wise proposal has been worked out as under:-

Point No.1

A) Normative Service Connection Charges up to 50 kW/kVA load/demand.

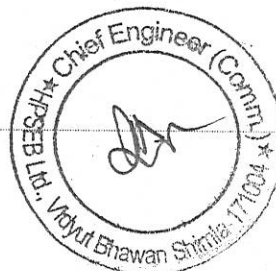
- i) The connected up to 15 kW has been proposed to be released at single phase 230 voltage supply. The calculations of per kW connection charges has been done and minimum normative charges for the release of connection upto 10 kW has been fixed and above 10 KW the normative charges shall be calculated at the rate per KW basis for release of service connection at Single Phase, 230 Volt supply.



- ii) The connected load above 15 kW and up to 50 kW/KVA is to be released at 400 Volt, 3phase LT supply. However, the consumers having load less than 15 kW/KVA may also opt for connected at three phase LT supply, the same can be made available on payment of normative charges for 3 phase connection. The minimum normative charges for the release of connection upto 35 kW/KVA has been fixed & above 35KW/KVA upto 50KW/KVA, the normative charges shall be calculated at the rate per KW/KVA basis for release of service connection at Three Phase, 400 Volt supply.

B) Normative charges for load above 50 kW /kVA and up to 150 kW/kVA to be released at 11 kV or 22 kV supply voltage.

- i) The connections to be released at 11 kV supply voltage. To work out the normative charges following methodology has been adopted:
- a) The maximum capacity of 11 kV line has been taken as 5 MW with length of 11 kV line as 5 KM.
- b) The conductor of 6/1/4.72 (100 mm²) has been taken in the costing of 11 kV line.
- c) The terminal CT/PT/metering structure has been worked out as per standard being followed. The load of 50 kW/kVA to 150 kW/kVA i.e. 100 kW/kVA has been considered for working out per kW cost to be charged from the consumers. Minimum normative charges for the release of connection upto 100 KW/kVA, has been fixed & above 100 KW/KVA upto 150 KW/KVA shall be calculated at the rate per KW/KVA basis for release of service connection at 11 kV Supply Voltage.
- ii) The connections to be released at 22 kV supply voltage. To work out the normative charges following methodology has been adopted:-
- a) The maximum capacity of 22 kV line has been taken as 7 MW with length of 22 kV line as 5 kM.



- b) The conductor of 6/1/4.72 ACSR has been taken in the costing of 22kV line.
- c) The terminal CT/PT/metering structure has been worked out as per standard being followed. The load of 50 kW/kVA to 150 kW/kVA i.e. 100 kW/kVA has been considered for working out per kW cost to be charged from the consumers. The terminal CT/PT/metering structure has been worked out as per standard being followed. The load of 50 kW/kVA to 150 kW/kVA i.e. 100 kW/ kVA has been considered for working out per kW cost to be charged from the consumers. Minimum normative charges for the release of connection upto 100 KVA has been fixed & above 100 KW/KVA upto 150 KW/KVA shall be calculated at the rate per KW/KVA basis for release of service connection at 22 kV Supply Voltage.

Point No. 2: The proposal / calculations has been worked out as per Point No. 1, by keeping in view the provisions of Electricity (Rights of Consumers), Rules,2020. The abnormal conditions where the normative rates are not applicable are as under:-

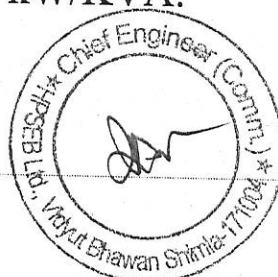
- a) The village/ Hamlet/ Area where connection is required by the applicant is not electrified.
- b) The Forest Clearance /Right of way is involved.
- c) Road Crossing/ Railway Crossing is involved.

Point No. 3: In order to avoid anomalies in cases involving extension of loads/demand, the following has been proposed:-

A) For additional load up to 150 kW/kVA:

The per kW/kVA normative rate for additional load shall be levied at the time of extension of load at the rate of normative service connection charges for additional quantum of load provided the total load is up to 150 kW/kVA.

B) For additional load beyond 150 kW/KVA:



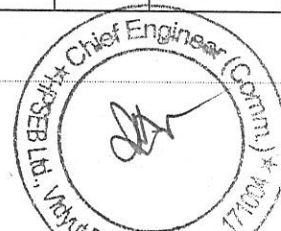
Since the normative regime for service line charges is applicable up to 150 kW /kVA load, any extension beyond 150 KW/KVA load, the charges shall be three times the normative charges for additional quantum of load beyond 150 kW/kVA load in order to avoid manipulations by the applicant by applying for lesser quantum of load initially and later on to apply for additional load. The proposal to charge 3 times the normative rate in such cases will equalize the amount to be paid by the individual consumers who will apply one time above 150 kW/kVA and those who apply partially.

Point No. 4 The normative per kW/kVA rate has been worked out based on the Cost Data for FY 2023-24 and calculations of normative rate for FY 2024-25 has been done based on escalation factor of 1.33% . The authenticated escalation rates considered for calculation in cost data is attached as **Annexure-1**.

Point No. 5

(a) Normative Charges for Single phase, 3-Phase, 11 kV & 22 kV Service Connections upto 150 kW/KVA based on Cost data for FY 2023-24:

Sr. No.	Description	Normative Service Connection Charges		Annexure	Per KW/KVA Cost		Minimum Amount to be paid for Service Connection Charges (Rs.)	Illustration
		Maximum Load Considered (in KW/KVA)	Average Cost (in Rs.) as per relevant sheet					
	A	B	C	D	E=C/B		F	G
A)	Single Phase	15	4355	Single Phase Calculation Sheet	290		2900	
B)	Three Phase	50	18183	Three Phase Calculation Sheet	364		12740	Upto35KW/KVA, Rs.12740/- required to be paid and after35KW/KVA, per KW cost required to be paid.
C)	11 KV							
1	Cost of HT Line as per annexure	5000	7180000	11 KV Line Calculation Sheet	1436	4262	426200	Upto 100 KW/KVA, Rs. 426200/- required to be

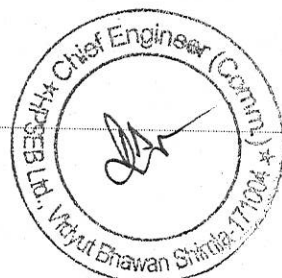


Sr. No.	Description	Normative Service Connection Charges		Annexure	Per KW/KVA Cost	Minimum Amount to be paid for Service Connection Charges (Rs.)	Illustration	
		Maximum Load Considered (in KW/KVA)	Average Cost (in Rs.) as per relevant sheet					
	attached							
2	Cost of CT/ PT Metering Equipment Structure as per annexure attached	100 (Average 50-150)	282000	11 KV structure Calculation Sheet	2820		paid and after 100KW/KVA, per KW/KVA cost required to be paid.	
3	Electrical Inspector Fee	100	600	MPP & Power Notification dated 02.09.2024	6			
D)	22 KV							
1	Cost of HT Line as per annexure attached	7000	8215000	22 KV Line Calculation Sheet	1174	4490	448957	Upto 100 KW/KVA, Rs. 448957/- required to be paid and after 100KW/KVA, per KW/KVA cost required to be paid.
2	Cost of CT/ PT Metering Equipment Structure as per annexure attached	100 (Average 50-150)	331000	22 KV structure Calculation Sheet	3310			
3	Electrical Inspector Fee	100	600	MPP & Power Notification dated 02.09.2024	6			

The abstract along with calculation sheet is attached as **Annexure-2**.

(b) Normative Charges for Single phase, 3-Phase, 11 kV & 22 kV Service Connections upto 150 kW/KVA for FY 2024-25 with escalation of 1.33 % on Cost Data for FY 2023-24 is as under:

Sr. No.	Description	Normative Service Connection Charges		Per KW/KVA Cost	Minimum Amount to be paid for Service Connection Charges (Rs.)	Illustration
		Maximum Load Considered (in KW/KVA)	Average Cost (in Rs.) as per relevant sheet			

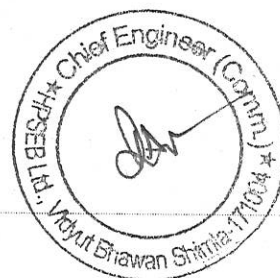


Sr. No.	Description	Normative Service Connection Charges		Per KW/KVA Cost	Minimum Amount to be paid for Service Connection Charges (Rs.)	Illustration	
		Maximum Load Considered (in KW/KVA)	Average Cost (in Rs.) as per relevant sheet				
A)	Single Phase	15	4413	294	2940	Upto 10KW, Rs. 2940/- required to be paid and after 10KW, per KW cost required to be paid.	
B)	Three Phase	50	18425	369	12915	Upto 35KW/KVA, Rs. 12915/- required to be paid and after 35KW/KVA, per KW cost required to be paid.	
C)	11 KV						
1	Cost of HT Line as per annexure attached	5000	7275494	1455	4319	431900	Upto 100 KW/KVA, Rs. 431900/- required to be paid and after 100KW/KVA, per KW/KVA cost required to be paid.
2	Cost of CT/ PT Metering Equipment Structure as per annexure attached	100 (Average 50-150)	285751	2858			
3	Electrical Inspector Fee	100	600	6			
D)	22 KV						
1	Cost of HT Line as per annexure attached	7000	8324260	1189	4549	454900	Upto 100 KW/KVA, Rs. 454900/- required to be paid and after 100KW/KVA, per KW/KVA cost required to be paid.
2	Cost of CT/ PT Metering Equipment Structure as per annexure attached	100 (Average 50-150)	335402	3354			
3	Electrical Inspector Fee	100	600	6			

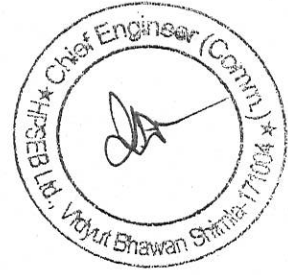
The calculation sheet is attached as **Annexure-3**.

Point No. 6: The annual rate of escalation for the FY 2025-26 and onwards shall be fixed based on escalation factor taken in the cost data for the immediate preceding year.

The detailed calculations of the normative rates for LT and HT service connection up to 150 kW/ kVA as per regulation 4 of HPERC (Recovery of Expenditure for Supply of Electricity) Regulations, 2012 as amended from time to time. Recovery of expenditure for Supply of Electricity as per other provisions of the said regulations (such as IDC etc.) shall be recovered accordingly.



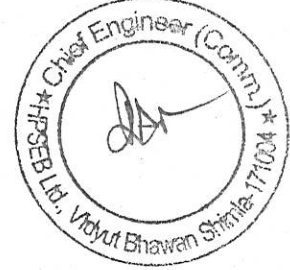
The connection shall be released up to 150 kW/kVA based on the normative service connection charges as approved by Commission. The differential amount, if any, involved in release of connection, shall be met by the licensee through CAPEX under GSC scheme.



Prayer:

HPSEBL respectfully prays to the Hon'ble Commission:

1. To approve per kW/KVA normative rates towards expenditure to be incurred by Distribution Licensee for development of Electric network for providing Power Supply upto 150 kW/KVA.
2. To pass such other and further orders as are deemed fit and proper in the facts and circumstances of the case.



**Before the Hon'ble Himachal Pradesh Electricity Regulatory
Commission Shimla-9.**

Filing No. 08 of 2023

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In the matter of: Revised proposal for Fixation of per kW/KVA normative rates towards expenditure to be incurred by Distribution Licensee for development of Electric network for providing Power Supply upto 150 kW/KVA at LT/11/22 kV voltage level.

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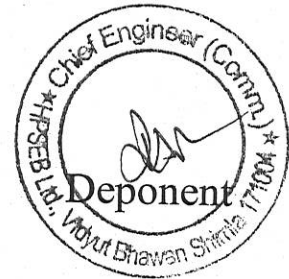
....Applicant

AFFIDAVIT

I, Er. Anup Ram, son of Late Sh. Tikhu Ram, aged about 50 years, occupation Chief Engineer (Commercial), Vidyut Bhawan, HPSEB Limited, Shimla-171004, do hereby solemnly affirm and declare that I have gone through the contents of the petition and that the contents of same are true and correct to the best of my personal knowledge as derived from the official record.

I further solemnly affirm and verify that the contents of this affidavit are true and correct to the best of my personal knowledge, no part of it is false and nothing material has been concealed therein.

Verified and signed at Shimla on this _____ day of October, 2024.





CE Chief Engineer Commercial <cecommhpsebl@gmail.com>

Normative Charges

SE, RGGVY <dirrgvyshimla@yahoo.in>

Wed, Oct 16, 2024 at 4:32 PM

Reply-To: "SE, RGGVY" <dirrgvyshimla@yahoo.in>

To: Chief Commercial <cecommhpsebl@gmail.com>, "cecomm@gmail.com" <cecomm@gmail.com>

As per telephonic discussion, clarification on the inflation rate used for calculating Normative Charges was requested by your office. In this context, It is informed that the inflation applied in the Normative Charges is sourced from the Wholesale Price Index (WPI) published on the Office of Economic Advisor's official website (eaindustry.nic.in). This approach aligns with the methodology followed by HPSEBL, where the WPI used starts at the previous year's final index taken in the previous year Cost data and is continuously updated.

The Calculation used is as under:-

Inflation (Index(Base year 2012))					
WPI of General Group	Month and Year	WPI of General Group	Month and Year	% inflation	Cost Data Year
143.8	Jan, 2022	152.5	Oct, 2023	6.03	Cost data 2023-24
152.5	Oct, 2023	154.5	August,2024	1.33	Cost data 2024-25

This is for your kind information and necessary action please.

with regards,

**Superintending Engineer,
Distribution System Planning,
HPSEB Ltd, Khalini, Shimla-171002
Phone :- (Office) 0177-2628790
Fax - 0177-2628792**

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Normative Charges for Single phase, 3-Phase, 11 kV & 22 kV Service Connections upto 150 kW/KVA based on Cost data for FY 2023-24

Sr. NO.	Description	Normative Service Connection Charges		Annexure	Per KW/KVACost	Minimum Amount to be paid for Service Connection Charges (Rs.)	Illustration	
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3	Electrical Inspector Fee	100	600	MPP & Power Notification dated 02.09.2024	6			
D)	22 KV							
1	Cost of HT Line as per annexure attached	7000	8215000	22 KV Line Calculation Sheet	1174	4490	448957	Upto 100 KW/KVA, Rs. 448957/- required to be paid and after 100KW/KVA, per KW/KVA cost required to be paid.
2	Cost of CT/ PT Metering Equipment Structure as per annexure attached	100 (Average 50-150)	331000	22 KV structure Calculation Sheet	3310			
3	Electrical Inspector Fee	100	600	MPP & Power Notification dated 02.09.2024	6			

Cost of 1-Ø, 0.230 kV Domestic Service on T/C PVC 10 mm2 (20 Mtr.)						
Abstract of Cost						
Sr. No.	Description	CD 2023-24	Unit	Qty	Rate	Amount
1	Pole Clamp	P-113	No	1	96	96
2	T/C PVC 10 mm2	P-112	M	20	21	420
3	G.I. Wire 8 SWG	P-113	Kg	2.0	96	192
4	Link Clip	P-113	No	1	24	24
5	PVC Tape	P-113	No	2	15	30
6	Guy G.I. Wire with Clamp	P-113	No	1	20	20
7	Anchor Hook	P-112	No	2	24	48
8	Meter Box	P-113	No	1	502	502
9	Kit Kat 63 A, 240 V	29	No	1	111	111
10	GI Bolt for Earth Terminal (12X75) mm	P-113	Roll	3	18	54
11	Polycarbonate seal	P-113	Pkt	3	21	63
12	1-Ø 2 WIRE STATIC Energy Meter (10-60 A)	14	No	1	693	693
13	T-Connector	P-113	No	2	33	66
14	Eye Bolt	P-113	No	1	49	49
	Add: [Cost of Optional Miscellaneous Items (Protective Gear, T&P etc) not included here] (After Justification and with Approval).	P-113		2.5%	0.025x	59
	TOTAL ESTIMATED COST of MATERIAL **	P-113				2427
	Erection Charges	P-113				1024
	Transportation Charges	P-113				212
	Contingency @3%	P-113				73
	Labour Cess @1%	P-113				37
	GST @ 18% on Trans+Erect.	P-113				222
	Deptt Charges @ 11%	P-113				440
	GST on DC					79
	Total:-					4515
	Less: Meter Cost					693
	Net Payable:					3822

Ann-B1

Cost of 1-Ø, 0.230 kV Domestic Service on T/C PVC 10 mm2 (25Mtr)						
Abstract of Cost						
Sr. No.	Description	CD 2023-24	Unit	Qty	Rate	Amount
1	Pole Clamp	P-113	No	1	96	96
2	T/C PVC 10 mm2	P-112	M	25	21	525
3	G.I. Wire 8 SWG	P-113	Kg	2.5	96	240
4	Link Clip	P-113	No	2	24	48
5	PVC Tape	P-113	No	3	15	45
6	Guy G.I. Wire with Clamp	P-113	No	1	20	20
7	Anchor Hook	P-112	No	2	24	48
8	Meter Box	P-113	No	1	502	502
9	Kit Kat 63 A, 240 V	P-113	No	1	111	111
10	GI Bolt for Earth Terminal (12X75) mm	P-113	Roll	3	18	54
11	Polycarbonate seal	P-113	Pkt	3	21	63
12	1-Ø 2 WIRE STATIC Energy Meter (10-60 A)	P-113	No	1	693	693
13	T-Connector	P-113	No	2	33	66
14	Eye Bolt	P-113	No	1	49	49
	Add: [Cost of Optional Miscellaneous Items (Protective Gear, T&P etc) not included here] (After Justification and with Approval).	P-113		2.5%	0.025x	64
	TOTAL ESTIMATED COST of MATERIAL **	P-113				2624
	Erection Charges	P-113				1024
	Transportation Charges	P-113				212
	Contingency @3%	P-113				79
	Labour Cess @1%	P-113				39
	GST @ 18% on Trans+Erect.	P-113				222
	Deptt Charges @ 11%	P-113				462
	GST on DC					83
	Total:-					4746
	Less: Meter Cost					693
	Net Payable:					4053

Ann-B2

Sr. No.	Description	CD 2023-24	Unit	Qty	Rate	Amount
Cost of 1-Ø, 0.230 kV Domestic Service on T/C PVC 10 mm2 (30Mtr)						
Abstract of Cost						
Sr. No.	Description	CD 2023-24	Unit	Qty	Rate	Amount
1	Pole Clamp					
2	T/C PVC 10 mm2	P-113	No	1	96	96
3	G.I. Wire 8 SWG	P-112	M	30	21	630
4	Link Clip	P-113	Kg	3	96	288
5	PVC Tape	P-113	No	2	24	48
6	Guy G.I. Wire with Clamp	P-113	No	3	15	45
7	Anchor Hook	P-112	No	1	20	20
8	Meter Box	P-112	No	2	24	48
9	Kit Kat 63 A, 240 V	P-113	No	1	502	502
10	GI Bolt for Earth Terminal (12X75) mm	P-113	No	1	111	111
11	Polycarbonate seal	P-113	Roll	3	18	54
12	1-Ø 2 WIRE STATIC Energy Meter (10-60 A)	P-113	Pkt	3	21	63
13	T-Connector	P-113	No	1	693	693
14	Eye Bolt	P-113	No	2	33	66
		P-113	No	1	49	49
	Add: [Cost of Optional Miscellaneous Items (Protective Gear, T&P etc) not included here] (After Justification and with Approval).	P-113		2.5%	0.025x	68
	TOTAL ESTIMATED COST of MATERIAL **	P-113				2781
	Erection Charges	P-113				1024
	Transportation Charges	P-113				212
	Contingency @3%	P-113				83
	Labour Cess @1%	P-113				41
	GST @ 18% on Trans+Erect.	P-113				222
	Deptt Charges @ 11%	P-113				480
	GST on DC					86
	Total:-					4930
	Less: Meter Cost					693
	Net Payable:					4237

Ann-B3

Cost of 1-Ø, 0.230 kV Domestic Service on T/C PVC 10 mm2 (40Mtr)

Sr. No.	Description	CD 2023-24	Unit	Qty	Rate	Amount
Abstract of Cost						
1	Pole Clamp					
2	T/C PVC 10 mm2	P-113	No	1	96	96
3	G.I. Wire 8 SWG	P-112	M	40	21	840
4	Link Clip	P-113	Kg	4	96	384
5	PVC Tape	P-113	No	2	24	48
6	PVC Tape	P-113	No	4	15	60
7	Guy G.I. Wire with Clamp	P-113	No	1	20	20
8	Anchor Hook	P-112	No	2	24	48
9	Meter Box	P-113	No	1	502	502
10	Kit Kat 63 A, 240 V	P-113	No	1	111	111
11	GI Bolt for Earth Terminal (12X75) mm	P-113	No	1	111	111
12	Polycarbonate seal	P-113	Roll	3	18	54
13	1-Ø 2 WIRE STATIC Energy Meter (10-60 A)	P-113	Pkt	3	21	63
14	T-Connector	P-113	No	1	693	693
		P-113	No	2	33	66
		P-113	No	1	49	49
	Add: [Cost of Optional Miscellaneous Items (Protective Gear, T&P etc) not included here] (After Justification and with Approval).	P-113		2.5%	0.025x	76
	TOTAL ESTIMATED COST of MATERIAL **	P-113				3110
	Erection Charges	P-113				1024
	Transportation Charges	P-113				212
	Contingency @3%	P-113				93
	Labour Cess @1%	P-113				44
	GST @ 18% on Trans+Erect.	P-113				222
	Deptt Charges @ 11%	P-113				518
	GST on DC					93
	Total:-					5317
	Less: Meter Cost					693
	Net Payable:					4624

Ann-B4

Sr. No.	Description	CD 2023-24	Unit	Qty	Rate	Amount
Cost of 1-Ø, 0.230 kV Domestic Service on T/C PVC 10 mm2 (50Mtr)						
Abstract of Cost						
Sr. No.	Description	CD 2023-24	Unit	Qty	Rate	Amount
1	Pole Clamp	P-113	No	1	96	96
2	T/C PVC 10 mm2	P-112	M	50	21	1050
3	G.I. Wire 8 SWG	P-113	Kg	5	96	480
4	Link Clip	P-113	No	3	24	72
5	PVC Tape	P-113	No	5	15	75
6	Guy G.I. Wire with Clamp	P-113	No	1	20	20
7	Anchor Hook	P-112	No	2	24	48
8	Meter Box	P-113	No	1	502	502
9	Kit Kat 63 A, 240 V	P-113	No	1	111	111
10	GI Bolt for Earth Terminal (12X75) mm	P-113	Roll	3	18	54
11	Polycarbonate seal	P-113	Pkt	3	21	63
12	1-Ø 2 WIRE STATIC Energy Meter (10-60 A)	P-113	No	1	693	693
13	T-Connector	P-113	No	2	33	66
14	Eye Bolt	P-113	No	1	49	49
	Add: [Cost of Optional Miscellaneous Items (Protective Gear, T&P etc) not included here] (After Justification and with Approval).	P-113		2.5%	0.025x	84
	TOTAL ESTIMATED COST of MATERIAL **	P-113				3463
	Erection Charges	P-113				1024
	Transportation Charges	P-113				212
	Contingency @3%	P-113				104
	Labour Cess @1%	P-113				48
	GST @ 18% on Trans+Erect.	P-113				222
	Deptt Charges @ 11%	P-113				558
	GST on DC					100
	Total:-					5732
	Less: Meter Cost					693
	Net Payable:					5039
	Average	4355				

Ann-B6

Cost of 3-Ø, 0.4 kV on 3.5C PVC 50 mm² (20Mtr)

Abstract of Cost

Sr. No.	Description	CD 2023-24	Unit	Qty	Rate	Amount
1	Pole Clamp	P-116	No	1	96	96
2	3.5 Core PVC Cable 50 mm ² for 3 Phase	P-116	M	20	153	3060
3	G.I. Wire 8 SWG	P-116	Kg	2	96	192
4	Eye Bolt (16X300) mm	P-116	No	1	49	49
5	Eye Hook/G.I. Wire Guy	P-116	No	1	58	58
6	RAG Bolt (16x225)mm	P-116	No	4	34	136
	RAG Bolt (16x150)mm	P-116	No	4	32	128
8	LT Switch 200 A	P-116	No	1	4311	4311
9	G.I Bolt for Earth terminal (12X75) mm	P-116	No	1	18	18
10	T-Connector	P-116	No	6	33	198
11	Black Tape	P-116	Roll	4	130	520
12	Link Clip	P-116	Pkt	2	24	48
13	Polycarbonate seal	P-116	No	6	21	126
14	3 Phase 4 wire static energy Meter (10-60A)	P-116	No	1	5500	5500
15	Crimping Thimble	P-116	No	6	11	66
16	Angle Iron (50x50x6)	P-116	LS 1 MTR	1	337	337
	Add: [Cost of Optional Miscellaneous Items (Protective Gear, T&P etc) not included here] (After Justification and with Approval).	P-116		2.5%	0.025x	371
	TOTAL ESTIMATED COST of MATERIAL **	P-115				15214
	Erection Charges	P-115				1922
	Transportation Charges @5%	P-115				761
	Contingency @3%	P-115				456
	Labour Cess @1%	P-115				184
	GST @ 18% on Trans+Erect.	P-115				483
	Deptt Charges @ 11%	P-115				2092
	GST on DC					377
	Total:-					21488
	Less: Meter Cost					5500
	Net Payable:					15988

Cost of 3-Ø, 0.4 kV on 3.5C PVC 50 mm² (25Mtr)

Abstract of Cost

Sr. No.	Description	CD 2023-24	Unit	Qty	Rate	Amount
1	Pole Clamp	P-115	No	1	96	96
2	3.5 Core PVC Cable 50 mm ² for 3 Phase	P-115	M	25	153	3825
3	G.I. Wire 8 SWG	P-115	Kg	2.5	96	240
4	Eye Bolt (16X300) mm	P-115	No	1	49	49
5	Eye Hook/G.I. Wire Guy	P-115	No	1	58	58
6	RAG Bolt (16x225)mm	P-115	No	4	34	136
7	RAG Bolt (16x150)mm	P-113	No	4	32	128
8	LT Switch 200 A	P-115	No	1	4311	4311
9	G.I Bolt for Earth terminal (12X75) mm	P-115	No	1	18	18
10	T-Connector	P-115	No	6	33	198
11	Black Tape	P-115	Roll	5	130	650
12	Link Clip	P-114	Pkt	3	24	72
13	Polycarbonate seal	P-115	No	6	21	126
14	3 Phase 4 wire static energy Meter (10-60A)	P-114	No	1	5500	5500
15	Crimping Thimble	P-115	No	6	11	66
16	Angle Iron (50x50x6)		LS 1 Mtr	1	337	337

Sr. No.	Description	CD 2023-24	Unit	Qty	Rate	Amount
	Add: [Cost of Optional Miscellaneous Items (Protective Gear, T&P etc) not included here] (After Justification and with Approval).	P-115		6	0.025x	395
	TOTAL ESTIMATED COST of MATERIAL **					
	Erection Charges	P-115		1		16205
	Transportation Charges @5%	P-115		2.5%		1922
	Contingency @3%	P-115				810
	Labour Cess @1%	P-115				486
	GST @ 18% on Trans+Erect.	P-115				194
	Deptt Charges @ 11%	P-115				492
	GST on DC	P-115				2212
	Total:-					398
	Less: Meter Cost					22720
	Net Payable:					5500
						17220

Cost of 3-Ø, 0.4 kV on 3.5C PVC 50 mm2 (30Mtr)

Annexure-F3

Abstract of Cost

Sr. No.	Description	CD 2023-24	Unit	Qty	Rate	Amount
1	Pole Clamp					
2	3.5 Core PVC Cable 50 mm ² for 3 Phase	P-115	No	1	96	96
3	G.I. Wire 8 SWG	P-115	M	30	153	4590
4	Eye Bolt (16X300) mm	P-115	Kg	2	96	192
5	Eye Hook/G.I. Wire Guy	P-115	No	1	49	49
6	RAG Bolt (16x225)mm	P-115	No	1	58	58
7	RAG Bolt (16x150)mm	P-115	No	4	34	136
8	LT Switch 200 A	P-113	No	4	32	128
9	G.I Bolt for Earth terminal (12X75) mm	P-115	No	1	4311	4311
10	T-Connector	P-115	No	1	18	18
11	Black Tape	P-115	No	6	33	198
12	Link Clip	P-115	Roll	4	130	520
13	Polycarbonate seal	P-114	Pkt	2	24	48
14	3 Phase 4 wire static energy Meter (10-60A)	P-115	No	6	21	126
15	Crimping Thimble	P-114	No	1	5500	5500
16	Angle Iron (50x50x6)	P-115	No	6	11	66
			LS 1 Mtr	1	337	337
	Add: [Cost of Optional Miscellaneous Items (Protective Gear, T&P etc) not included here] (After Justification and with Approval).	P-115		6	0.025x	409
	TOTAL ESTIMATED COST of MATERIAL **					
	Erection Charges	P-115		1		16782
	Transportation Charges @5%	P-115		2.5%		1922
	Contingency @3%	P-115				839
	Labour Cess @1%	P-115				503
	GST @ 18% on Trans+Erect.	P-115				200
	Deptt Charges @ 11%	P-115				497
	GST @ on DC	P-115				2282
	Total:-					411
	Less: Meter Cost					23437
	Net Payable:					5500
						17937

Cost of 3-Ø, 0.4 kV on 3.5C PVC 50 mm2 (40Mtr)

Annexure-F4

Abstract of Cost

Sr. No.	Description	CD 2023-24	Unit	Qty	Rate	Amount
1	Pole Clamp					
2	3.5 Core PVC Cable 50 mm ² for 3 Phase	P-115	No	1	96	96
3	G.I. Wire 8 SWG	P-115	M	40	153	6120
		P-115	Kg	2	96	192

Sr. No.	Description	CD 2023-24	Unit	Qty	Rate	Amount
4	Eye Bolt (16X300) mm	P-115	No	1	49	49
5	Eye Hook/G.I. Wire Guy	P-115	No	1	58	58
6	RAG Bolt (16x225)mm	P-115	No	4	34	136
7	RAG Bolt (16x150)mm	P-113	No	4	32	128
8	LT Switch 200 A	P-115	No	1	4311	4311
9	G.I Bolt for Earth terminal (12X75) mm	P-115	No	1	18	18
10	T-Connector	P-115	No	6	33	198
11	Black Tape	P-115	Roll	4	130	520
12	Link Clip	P-114	Pkt	2	24	48
13	Polycarbonate seal	P-115	No	6	21	126
14	3 Phase 4 wire static energy Meter (10-60A)	P-114	No	1	5500	5500
15	Crimping Thimble	P-115	No	6	11	66
16	Angle Iron (50x50x6)		LS 1 Mtr	1	337	337
	Add: [Cost of Optional Miscellaneous Items (Protective Gear, T&P etc) not included here] (After Justification and with Approval).	P-115		6	0.025x	448
	TOTAL ESTIMATED COST of MATERIAL **	P-115		1		18351
	Erection Charges	P-115		2.5%		1922
	Transportation Charges @5%	P-115				918
	Contingency @3%	P-115				551
	Labour Cess @1%	P-115				217
	GST @ 18% on Trans+Erect.	P-115				511
	Deptt Charges @ 11%	P-115				2472
	GST @ on DC					445
	Total:-					25386
	Less: Meter Cost					5500
	Net Payable:					19886

Annexure-F5

Cost of 3-Ø, 0.4 kV on 3.5C PVC 50 mm² (50Mtr)

Abstract of Cost

Sr. No.	Description	CD 2023-24	Unit	Qty	Rate	Amount
1	Pole Clamp	P-115	No	1	96	96
2	3.5 Core PVC Cable 50 mm ² for 3 Phase	P-115	M	40	153	6120
3	G.I. Wire 8 SWG	P-115	Kg	2	96	192
4	Eye Bolt (16X300) mm	P-115	No	1	49	49
5	Eye Hook/G.I. Wire Guy	P-115	No	1	58	58
6	RAG Bolt (16x225)mm	P-115	No	4	34	136
7	RAG Bolt (16x150)mm	P-113	No	4	32	128
8	LT Switch 200 A	P-115	No	1	4311	4311
9	G.I Bolt for Earth terminal (12X75) mm	P-115	No	1	18	18
10	T-Connector	P-115	No	6	33	198
11	Black Tape	P-115	Roll	4	130	520
12	Link Clip	P-114	Pkt	2	24	48
13	Polycarbonate seal	P-115	No	6	21	126
14	3 Phase 4 wire static energy Meter (10-60A)	P-114	No	1	5500	5500
15	Crimping Thimble	P-115	No	6	11	66
16	Angle Iron (50x50x6)		LS	1	337	337
	Add: [Cost of Optional Miscellaneous Items (Protective Gear, T&P etc) not included here] (After Justification and with Approval).	P-115			0.025x	448
	TOTAL ESTIMATED COST of MATERIAL **	P-115		1		18351
	Erection Charges	P-115		2.5%		1922
	Transportation Charges @5%	P-115				918
	Contingency @3%	P-115				551
	Labour Cess @1%	P-115				217
	GST @ 18% on Trans+Erect.	P-115				511
	Deptt Charges @ 11%	P-115				2472

Sr. No.	Description	CD 2023-24	Unit	Qty	Rate	Amount
	GST @ on DC					445
	Total:-					25386
	Less: Meter Cost					5500
	Net Payable:					19886

Average

18183

Estimate for 11 kV line on ACSR 6/1/4.72 (100 mm² conductor) or equivalent
Abstract of Cost for 1000 meter 11 kV line

Sr. No.	Description	CD 2023-24	Unit	Rate	Qty for 1 kM	Amount in Rs for 1 kM
1	ACSR 6/1/4.72(100 mm ²) (with 3 conductor and 1% addl.)	CD-98	km	112011	3.03	339393
2	Steel Tubular Poles (11 m. 1 No Run + 1 No Tapping Poles + 1 No. Double pole dead End)	CD-77	No	25190.00	14	352660
3	Muffs with concrete filling	CD-77	No	1598.00	14	22372
4	Run Through Structure (8 No. for Delta Formation)					
	a) Cross Arm [Channel Iron (100x50x6 mm), length 1270 mm i/c tolerance of 100 mm either side) x2 structure	CD-77	No	1024.00	8	8192
	b) Agle Iron (50x50x6mm), length 750mm x 2 No x 2 Structure	CD-77	No	280.00	16	4480
	c) pole top barcket (MSCI 100X50X6MM-100MM)	CD-77	No	327.00	8	2616
	d) 11 kV pin insulator (Porcelain, 12 kV,10kN(: 3 No per pole	CD-77	No	163.00	24	3912
5	Dead End Structure (3 No on Double Pole)					
	a) Belt Set- MS Angle Iron; 50cx50x6, length 1800mm x2 No	CD-77	No	672.00	6	4032
	X- Bracing Set- MS Angle Iron 50x50x6, length 2125 x 2 No	CD-77	No	794.00	6	4764
	X -Arm(Horizontal) MS Channel Iron : 100x50x6, length 2340 mm x 2 No) Delta Formation	CD-77	No	1888.00	6	11328
	Disc Insulator Set on Dead End Structure & Tapping Structure (1 No Disc, 12 kV, 90 kNm Dead End Clamp) x 3 No Conductor x 2 No Sides)	CD-77	No	1708.00	18	30744
	11 kV Pin Insulator (12 kV 10 kN) 3 No per Double Pole Structure	CD-77	No	163.00	9	1467
6	HT Stay / Guy Arrangement					
	a) Stay Set complete in all respects (1 NO. /Single Pole 4 No. Double Pole Structure)	CD-78	No	1177.00	20	23540
	b) Stay Wire (7/31.5 mm)(10 kg per stay set)	CD-78	kg	96.00	200	19200
7	Earthing					0
	a) HT Earthing set complete	CD-78	No	1307.00	11	14377
	b) Single Continuous earth wire (GI 8 SWG) (alongwith 2 wire lengths for avg. One road crossing @ 20 mm and additional 3%(Sag,eathing,cross lacing above road & wastage @ 0.102kg/m)	CD-78	kg	96.00	105.08	10087.68
	c) Eye Hook for earth wire	CD-78	No	52.00	11	572
	d) MS Angle iron 50*50*6 length 2800 mm for Road Crossing	CD-78	NO	1046.00	2	2330
8	Half Clamps (On double Pole Dead End 4 NO, on run thro Str. 2 No	CD-78	No	170.00	28	4760
9	Full Clamps(on Double Pole Dead End 4 No; Single Pole 2 No	CD-78	NO	340.00	28	9520
10	Danger Plate (250x200x1.6mm)	CD-78	No	132.00	10	1320
11	Nuts and Bolts of various sizes	CD-78	kg	130.00	125	16250
12	Barbed Wire	CD-78	kg	96.00	42	4032
13	Red Oxide	CD-78	Ltr	280.00	21	5880
14	Aluminium Paint	CD-78	Ltr	366.00	28	10248
14a	Sub-Total					908077
14b	Misc @ 1%					9081
15	Estimated Cost of Material (1 to 14)					917158
16	Contingency @ 3% on Sl. 15					27515
17	Transportation Charges as per Cost data	CD-79	km	68456.00		68462
18	Erection Charges as per Cost Data	CD-79	kM	202267.00		202267
19	Sub-Total (15+16+17+18+19)					1215402
20	GST @ 18% on Transportation and Erection charges					48731
21	Sub-Total (20+21)					1264133
22	1% Welfare Cess on Sl. No. 15,16,18,19,					12154
23	11% Department Charges on 15,16,17,18,22					135031
24	GST on DC @18%					24306
26	Grand Total (21+22+23+24)					1435623
	Round to 1000					1436000
	Normative rate for 5KM length of service line				5	7180000

Estimate for 11kV, CT/PT Metering Equipment Structure

Annexure-B

Sr. NO.	Description	Cost Data2023-24	Unit	Qty	Rate	Amount
1		2	3	4	5	6
1	CT-PT PT Combined Unit (Cost to be Borne by HPSEBL)	CD-117	No.	1	47817	47817
2	3-Phase, 3/4 -Wire CT/ PT Operated Static Trivector Meter (DLMS Complaint) (Cost Borne by HPSEBL)	CD-117	No.	1	14250	14250
3	PVC Multistrand 4 mmsq copper wire with □-1 inch GI pipe for concealing .	CD-117	Job	1	3181	3181
4	STP Pole 9 Mtr. Long	CD-117	No.	2	16693	33386
5	Muffs with concrete filling	CD-117	No.	2	1598	3196
6	X-Arm: [Channel Iron (100x50x6 mm), Length: 2800mm X 4 Nos]	CD-117	No.	4	2237	8948
7	X-Arm: [Channel Iron (75x40x6 mm), Length: 2800mm X 4 Nos] for supporting DO fuse unit & GO switch	CD-117	No.	4	1672	6688
8	X-Arm: [Channel Iron (100x50x6 mm), Length: 460 mm X 2 Nos for supporting Main Channel of CT-PT Unit	CD-117	No.	2	368	736
9	MS Angle Iron (50x50x6 mm) Length 2800 mm x (1 NO. For LA's)	CD-117	No.	1	1036	1036
10	CT-PT Unit Belting & Knee Bracing	CD-117				
a	MS Angle Iron (50x50x6 mm) Length 2800 mm x 4 NO.	CD-117	No.	4	1036	4144
b	MS Angle Iron (35x35x5 mm) Length 460 mm x2 NO.	CD-117	No.	2	116	232
11	GO AB Switch Unit(11kV, 400 A,25 KA)	CD-117	Set	1	8518	8518
12	D.O Fuse Unit	CD-117	Set	1	2202	2202
13	Surge Arrester, 9 kV Station Class (Porcelain Type)	CD-117	NO.	3	1390	4170
14	Discs insulator sets (comprising 1 NO. Disc: ^^ (Procelain, BS,12 kV, 90 kN) including Dead End Clamps etc.)	CD-117	Set	3	1708	5124
15	Stay set Complete	CD-117	Set	4	1070	4280
16	Stay Wire (7/3.15 mm) (7.0 kg per Stay Set)	CD-117	KG	28	96	2688
17	Earthing Set (Pipe Type)	CD-103	Set	3	3436	10308
18	GI Wire for earthing	CD-117	KG	3	96	288
19	Half Clamp (M.S. Flat 50x6 mm)	CD-103	No.	17	170	2890
20	Full Clamp (M.S. Flat 50x6 mm)	CD-103	No.	9	340	3060
21	Nuts and Bolts of Various Sizes (galvanised /Coated) (Preferably 16 mm □ or more (with flat and spring washers])	CD-103	KG	25	130	3250
22	Aluminium Thimble	CD-103	No.	16	42	672
23	Copper Thimble	CD-103	No.	4	341	1364
24	Danger Plate	CD-104	NO.	1	132	132
25	Barbed Wire	CD-104	KG	15	83	1245
26	Providingg Red Oxide paint	CD-104	Ltr.	3	250	750
27	Aluminium Paint	CD-104	Ltr.	4	366	1464
27 (a)	Sub-Total					176019
27b	Misc @ 2.5%					4400
28	Estimated Cost					180419
29	Contingency @ 3% on Sl. 28					5413
30	Transportation Charges as per Cost data	CD-104				27599
31	Erection Charges as per Cost Data	CD-104				72407
32	Sub-Total (28+29+30+31+32)					285838
33	GST @ 18% on Erection and Transportation charges.					18001
34	Sub-Total (33+34)					303839
35	1% Welfare Cess on Sl. No.34)					3038
36	11% Department Charges on Sl No. 28,30, 31,35)					31776
37	GST on DC @18%					5720
38	Sub-Total (35+36+37+38)					344374
39	Less Cost of Material to be supplied by HPSEBL (Sr. No. 1 & 2)					62067
41	Amount Payable by the consumer					282307

Round by 1000

282000

22.

(Authoritative English text of this Department Notification No. MPP-A(3)-1/2017-I as required under clause (2) of Article 348 of the Constitution of India)

**Government of Himachal Pradesh
Department of Multi Purpose Projects & Power**

No. MPP-A(3)-1/2017-I Dated; Shimla-171002, the 02/09/2024

NOTIFICATION

In supersession of Government notification No.MPP-A(4)-5/91 dated 15th October, 1992 and in exercise of the powers conferred under section 53 (f) of the Electricity Act, 2003 the Governor of Himachal Pradesh is pleased to make following order to regulate the levy of fees for initial or periodic inspection and testing of electrical installations and generally for the services provided by the Chief Electrical Inspector to the Government of Himachal Pradesh under the Act ibid and the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2023, namely:-

1. Short title and Commencement:-

- (1) This order may be called the Himachal Pradesh Levy of Fees for Inspection and Testing order, 2024.
- (2) It shall come into force from the date of publication in the Rajpatra (e-Gazette), Himachal Pradesh.

2. Definitions:- In this order, the terms and expression used shall have same meaning as they have in the Electricity Act, 2003 and the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2023 except that for the purpose of this order:-

- (a) "Government" means the Government of Himachal Pradesh;
- (b) "Chief Electrical Inspector" means an Electrical Inspector appointed under section 162 of the Act;
- (c) "Government" means the Government of Himachal Pradesh;
- (d) "initial" with reference to the inspection, examination or test of any electrical installation or apparatus shall mean the first inspection carried out by the Chief Electrical Inspector or any Officer appointed to assist him, before commencement of supply or recommencement after shutdown for six months or more as specified under regulation 45 of the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2023 and shall include the first inspection, examination or test necessitated in the existing installation except these carried out

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under the instructions of the Chief Electrical Inspector of his authorized representative with the sole purpose of rectifying a defective installation already inspected by the said inspector or his authorized representative;

- (e) "Owner" means a licensee and shall include an occupier of any building, place, carriage or vessel in which energy is, or is about to generated, received or used;
- (f) "periodic" with reference to the inspection, examination or test of any electrical installation or apparatus shall mean the inspection or test carried out in pursuance of regulation 32 of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2023 once in every five years; and
- (g) "Government Treasury" means a Treasury or a Sub-Treasury of the Government;

3. Fees:- The fee shall be levied for inspecting and testing (including periodic inspections) and generally for the services of Chief Electrical Inspector or any other officer appointed to assist him under the Electricity Act, 2003 and the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2023 as amended from time to time and shall be realized from the persons and in accordance with the scales specified in the "SCHEDULE OF FEES" annexed to this order subject to the following conditions:-

- (i) In the case of an extension or alteration of the installation or in the opinion, which will be recorded in writing, of the Chief Electrical Inspector necessitated by breach of any of the provisions of the Act or of the regulations made thereunder or by the neglect or failure of the licensee or owner to carry out within stipulated time, any written order of Chief Electrical Inspector or any other officer appointed to assist him, fee will be equal to fee prescribed.
- (ii) The fee for subsequent inspection or test of an installation is necessitated as a result of detection of defects during initial or any other inspection will be equal to fee prescribed.

4. Payment of fee and other charges:

- (1) The fee payable under this order shall be paid in the Government treasury in advance under head of account prescribed by the State Government:

Head of Account: - DDO Code- 077 for Capital Treasury Shimla.

950 for other than Capital Treasury.

0043 - Taxes and Duties on Electricity.

102 - Receipt under the Indian Electricity rule.

01 - Inspection fee.

- (2) The fee shall be paid by the owner of the installation excluding non-commercial department of the State Government except where provided otherwise.

5. Repeal and Saving:-

- (1) The Himachal Pradesh Levy of Fees for Testing and Inspection Orders, 1992 issued vide Notification No.MPP-A(4)-5/91 dated 15.10.1992 is hereby repealed.
- (2) Notwithstanding such repeal anything done or any action taken under the order so repealed shall be deemed to have been validity done, or taken under the corresponding provisions of these rules.

- 6. Miscellaneous:-** For an inspection, examination or test not provided for in any of the foregoing scale the Chief Electrical Inspector may impose such other fees as he may consider reasonable and proper in the circumstances.

N.B.- (1) In cases where fee have already been deposited at the existing rates prior to publication of this notification no additional fee, if any shall be chargeable even if the inspection is carried out subsequent to this notification.

- (2) For the purpose of section 53 (f) of the Electricity Act, 2003, all the electrical installations which have not been inspected earlier but have been energized shall be considered as new installation.

"SCHEDULE OF FEES"

Scale-A		
Sr. No.	Connected Load of installation	Inspection fee for initial or periodical inspection (in rupees)
1.	≤ 5 KW	300/-
2.	>5 to 20 KW	600/-
3.	>20 to 50 KW	750/-
4.	>50 to 100 KW	900/-
5.	>100 to 400 KW	1500/-
6.	>400 to 750 KW	2400/-

7.	>750 to 1000 KW	3000/-
8.	>1000 KW	4500/-
Scale-B		
Sr. No.	Rating of Generating Set	Inspection fee for initial or periodical inspection (in rupees)
1.	≤ 5 KW	300/-
2.	>5 to 20 KW	600/-
3.	>20 to 50 KW	750/-
4.	>50 to 100 KW	900/-
5.	>100 to 400 KW	1500/-
6.	>400 to 750 KW	2400/-
7.	>750 to 1000 KW	3000/-
8.	>1000 KW	4500/-
Scale-C		
a) Transformers (pressure not exceeding 33000 volts)		
Sr. No.	Transformers	Inspection fee for initial or periodical inspection (in rupees)
1.	≤ 25 KVA	900/-
2.	>25 to 100 KVA	1200/-
3.	>100 to 250 KVA	1500/-
4.	>250 to 750 KVA	2400/-
5.	>750 to 1000 KVA	3000/-
6.	>1000 KVA	4500/-
7.	Oil Circuit Breaker (OCB)/ Air Circuit Breaker (ACB) etc. (Other equipments) for rating 11KV/22 KV/33 KV	1200/-
8.	Extension of Switchyard	1200/-
b) Transformers {pressure of more than 33000 volts (Extra High Tension installations)}		
Sr. No.	Transformers	Inspection fee for initial or periodical inspection (in rupees)
1.	Oil Circuit Breaker (OCB)/ Air Circuit Breaker (ACB) etc. (Other equipments) for rating 66KV/132 KV & above	1500/-
2.	≤ 5000 KVA	6000/-
3.	For additional 5000 KVA and part thereof	1200/-
4.	Extension of Switchyard	1500/-

Scale-D		
1.	A high voltage service connection	800/-
2.	A medium voltage service connection	500/-
3.	A low voltage service connection	400/-
Scale-E		
Sr. No.	Length	Inspection fee (in rupees)
a) For initial or periodical inspection or examination of aerial line or under-ground cable up to and including 33000 volts		
1.	≤ 1KM	600/-
2.	Every additional 1KM	150/-
3.	Every alteration or replacement in line	900/-
b) For initial or periodical inspection or examination of aerial line or under-ground cable up to the exceeding 33000 volts.		
1.	≤ 1KM	900/-
2.	Every additional 1KM	300/-
Scale-F		
Electric traction system, trolley wires and overhead diem of 8 overhead equipment and test of bonding hours and / or leakage currents		
1.	Per electric traction system, trolley wires	900/-
Scale-G		
Sr. No.	Type of inspection	Inspection fee (in rupees)
1.	For an inspection, examination or test of any main, distributing mains or service line for the existence of electrolysis or other injury to any water gas or to any appliance connected herewith.	300/- for first hour or part and thereafter 150/- per hour or part thereof plus other pipe or cost of transportation
Scale-H		
Sr. No.	Type of inspection	Inspection fee (in rupees)
1.	For testing of installation for leakage to earth	150/- per hour subject to maximum of 600/- plus cost of transportation

Scale-I		
Sr. No.	Type of inspection	Inspection fee (in rupees)
1.	For localizing the leakage to earth in any installations	150/- per hour subject to maximum of 60/- plus cost of transportation
2.	For others	450/-

By Order

Rakesh Kanwar, I.A.S.
Secretary (Power) to the
Govt. of Himachal Pradesh

Endst. No. MPP-A(3)-1/2017-I Dated: Shimla-02, the 02/09/2024

Copy is forwarded to the following for information & necessary action to:-

1. The Principal Accountant General (Himachal Pradesh) Shimla-03
2. The All Administrative Secretary/ All Addl. Secretary/ All Principal Secretary, All Secretary, Government of Himachal Pradesh, Secretariat, Shimla-2.
3. The Pr. Secretary to Hon'ble Chief Minister, Himachal Pradesh, H.P. Secretariat, Shimla-2.
4. The Principal Secretary (Finance) Government of Himachal Pradesh-2
5. The Deputy Legal Advisor and Deputy Secretary (Law), Government of Himachal Pradesh-2
6. All Head of Department, Himachal Pradesh.
7. The Chief Electrical Inspector, Himachal Pradesh, Block 29, SDA Complex Kasumpti, Shimla-09 with the request to upload the said notification (in Hind and English) on the department website.
8. The Joint Secretary (General Administration) to the Govt. of Himachal Pradesh w.r.t Item No.1 of CMM dated 02/03/2024.
9. The Guard File.

(Arindam Chaudhary, I.A.S)
Special Secretary (Power) to the
Government of Himachal Pradesh

Estimate for 22 kV line on ACSR 6/1/4.72 (100 mm²) conductor or equivalent
Abstract of Cost for 1000 meter 22 kV line

Sr. No.	Description	CD 2023-24	Unit	Rate without GST	Qty for 1 kM	Amount for 1 kM
1	ACSR 6/1/4.72(100 mm ²) (with 3 conductor and 1% addl.)	CD-67	km	112011	3.03	339393
2	Steel Tubular Poles (11 m. 1 No Run+1 No Tapping pole + 1 No. Double pole dead End)	CD-67	No	25190.00	16	403040
3	Muffs with concrete filling	CD-67	No	1598.00	16	25568
4	Run Through Structure (10 No. for Delta Formation)	CD-67				
	a) Cross Arm [Channel Iron (100x50x6 mm), length 1725 mm i/c tolerance of 100 mm either side)	CD-67	No	1392.00	10	13920
	b) MS Angle Iron (50x50x6mm), length 750mm x 2 No x 2 Structure	CD-67	No	280.00	20	5600
	c) pole top barcket (MSCI 100X50X6MM-100MM]	CD-67	No	327.00	10	3270
	d) 22 kV pin insulator (Porcelain, 36 kV,10kN CD-430 (: 3 No per pole	CD-67	No	484.00	30	14520
5	Dead End Structure (3 No on Double Pole & 1 No Tapping pole)	CD-67				
	a) Belt Set- MS Angle Iron; 50X50x6, length 1800mm x2 No	CD-67	No	672.00	6	4032
	X- Bracing Set- MS Angle Iron 50x50x6, length 2125 x 2 No	CD-67	No	794.00	6	4764
	X -Arm(Horizontal) MS Channel Iron : 100x50x6, length 1800 mm x 2 No) Delta Formation	CD-67	No	1452.00	6	8712
	X -Arm(Horizontal) MS Channel Iron : 100x50x6, length 2800 mm x 2 No) Delta Formation	CD-67	No	2259.00	6	13554
	Disc Insulator Set on Dead End Structure & 1 No Tapping Structure (2 No Disc, 12 kV, 90 kN Dead End Clamp) x 3 No Conductor x 2 No Sides)	CD-67	No	2141.00	18	38538
	22 kV Pin Insulator (36 kV 10 Kn CD-430) 3 No per Double Pole Structure	CD-67	No	484.00	9	4356
6	HT Stay / Guy Arrangement					0
	a) Stay Set complete in all respects (1 NO. /Single Pole 4 No. Double Pole Structure)	CD-68	No	1397.00	22	30734
	b) Stay Wire (7/4 mm)(10 kg per stay set)	CD-68	kg	96.00	220	21120
7	Earthing					0
	a) HT Earthing set complete	CD-68	No	1307.00	13	16991
	b) Earth wire (GI 8 SWG) (alongwith 2 wire lengths for avg. One road crossing @ 20 mm and additional 1% @ 150kg/m)	CD-69	kg	96.00	158	15168
	c) Earth reel	CD-69	No	25.00	13	325
	d) Eye Hook for earth wire	CD-69	No	52.00	13	676
	e)MS Channel Iron 75x40x6(length 1800 mm for run through)	CD-69	NO	1084.00	10	10840
	f) MS Channel Iron 75x40x6 (length 3300 for deal end)	CD-69	No	1988.00	3	5964
8	Half Clamps (On double Pole Dead End 6 NO, on run thro Str. 3 No	CD-69	No	170.00	48	8160
9	Full Clamps(on Double Pole Dead End 4 No; Single Pole 2 No	CD-69	NO	340.00	32	10880
10	Danger Plate (203x200x1.6mm)	CD-69	No	132.00	10	1320
11	Nuts and Bolts of various sizes	CD-69	kg	130.00	75	9750
12	Barbed Wire	CD-69	kg	83.00	80	6640
13	Red Oxide	CD-69	Ltr	280.00	32	8960
14	Aluminium Paint	CD-69	Ltr	366.00	32	11712
14(a)	Sub-Total					1038507
14b	Misc @ 1%					10385
15	Estimated Cost of Material (1 to 14)					1048892
16	Contingency @ 3% on Sl. 15					31467
17	Minor Civil works @5%					52445
18	Transportation Charges as per Cost data	CD-69	km	67273.00		68456
19	Erection Charges as per Cost Data	CD-69	kM	199950.00		202267
20	Sub-Total (15+16+17+18+19)					1403527
21	GST @ 18% on Erection and Transportation charges.					48730
22	Sub-Total (20+21)					1452257
23	1% Welfare Cess on Sl. No. 15,16,18,19					14035
24	11% Department Charges on 15,16,18, 19,21,23					150163
25	GST on DC @18%					27029
26	Grand Total (21+22+23+24)					1643484
	Round to 1000					1643000
	Normative rate for 5 km length of service line				5	8215000

Estimate for 22 kV, CT/PT Metering Equipment Structure

Sr. NO.	Description	Cost Data2023-24	Unit	Qty	Rate	Amount
1		2	3	4	5	6
1	CT-PT PT Combined Unit (Cost to be Borne by HPSEBL) 200/5 A	CD-12	No.	1	58389	58389
2	3-Phase ,3/4 -Wire CT/ PT Operated Static Trivector Meter (DLMS Complaint) (Cost Borne by HPSEBL)	CD-117	No.	1	14250	14250
3	PVC Multistrand 4 mmsq copper wire with □-1 inch GI pipe for concealing .	CD-117	Job	1	3181	3181
4	STP Pole 11 Mtr. Long	CD-117	No.	2	25190	50380
5	Muffs with concrete filling	CD-117	No.	2	1598	3196
6	X-Arm: [Channel Iron (100x50x6 mm), Length: 2800mm X 4 Nos]	CD-117	No.	4	2237	8948
7	X-Arm: [Channel Iron (75x40x6 mm), Length: 2800mm X 4 Nos] for supporting DO fuse unit & GO switch	CD-117	No.	4	1672	6688
8	X-Arm: [Channel Iron (100x50x6 mm), Length: 460 mm X 2 Nos for supporting Main Channel of CT-PT Unit	CD-117	No.	2	368	736
9	MS Angle Iron (50x50x6 mm) Length 2800 mm x (1 NO. For LA's)	CD-117	No.	1	1036	1036
10	CT-PT Unit Belting & Knee Bracing	CD-117				
a	MS Angle Iron (50x50x6 mm) Length 2800 mm x 4 NO.	CD-117	No.	4	1036	4144
b	MS Angle Iron (100x50x6 mm) Length 460 mm x2 NO.	CD-105	No.	2	355	710
11	GO AB Switch	CD-105	Set	1	12964	12964
12	D.O Fuse Unit	CD-105	Set	1	4214	4214
13	Surge Arrester, 18 kV Station Class (Porcelain Type)	CD-103	NO.	3	5327	15981
14	Discs insulator sets (comprising 2 No. Disc: ^^ (Procelain, BS,12 kV, 90 kN) including Dead End Clamps etc.)	CD-105	Set	6	2141	12846
15	Stay set Complete	CD-105	Set	4	1177	4708
16	Stay Wire (7/3.15 mm) (7.0 kg per Stay Set)	CD-105	KG	28	96	2688
17	Pipe Earthing Set	CD-105	Set	3	3436	10308
18	Half Clamp (M.S. Flat 50x6 mm)	CD-107	No.	17	170	2890
19	Full Clamp (M.S. Flat 50x6 mm)	CD-107	No.	9	340	3060
20	Nuts and Bolts of Various Sizes (galvanised /Coated) (Preferably 16 mm □ or more (with flat and spring washers)]	CD-107	KG	25	130	3250
21	Aluminium Thimble	CD-117	No.	42	15	630
22	Copper Thimble	CD-107	No.	4	472	1888
23	Danger Plate	CD-107	NO.	1	132	132
24	Barbed Wire	CD-117	KG	15	83	1245
25	Providingg Red Oxide paint	CD-107	Ltr.	3	250	750
26	Aluminium Paint	CD-107	Ltr.	4	366	1464
27 (a)	Sub-Total					230676
27b	Misc @ 2.5%					5767
28	Estimated Cost					236443
30	Contingency @ 3% on Sl. 28					7093
31	Transportation Charges as per Cost data	CD-107				27599
32	Erection Charges as per Cost Data	CD-107				72987
33	Sub-Total (28+29+30+31+32)					344122
34	GST @ 18% on Erection and Transportation charges.					18105
35	Sub-Total (33+34)					362228
36	1% Welfare Cess on Sl. No. 28,30,31,32					3441
37	11% Department Charges on Sr. No. 28,30,31, 32,34,36					32195
38	GST on DC @18%					5795
39	Sub-Total (35+36+37+38)					403659
40	Less Cost of Material to be supplied by HPSEBL (Sr. No. 1 & 2)					72639
41	Amount Payable by the consumer					331020

Round to 1000

331000

Normative Charges for Single phase, 3-Phase, 11 kV & 22 kV Service Connections upto 150 kW/KVA for FY 2024-25 with escalation of 1.33 % on Cost Data for FY 2023-24.

Sr. NO.	Description	Normative Service Connection Charges		Per KW/KVA Cost	Minimum Amount to be paid for Service Connection Charges (Rs.)	Illustration
		Maximum Load Considered (in KW/KVA)	Average Cost (in Rs.) as per relevant sheet			
A)	Single Phase	15	4413	294	2940	Upto 10KW, Rs. 2940/- required to be paid and after 10KW, per KW cost required to be paid.
B)	Three Phase	50	18425	369	12915	Upto 35KW/KVA, Rs. 12915/- required to be paid and after 35KW/KVA, per KW cost required to be paid.
C)	11 KV					
1	Cost of HT Line as per annexure attached	5000	7275494	1455	431900	Upto 100 KW/KVA, Rs. 431900/- required to be paid and after 100KW/KVA, per KW/KVA cost required to be paid.
2	Cost of CT/ PT Metering Equipment Structure as per annexure attached	100 (Average 50-150)	285751	2858		
3	Electrical Inspector Fee	100	600	6		
D)	22 KV					
1	Cost of HT Line as per annexure attached	7000	8324260	1189	454900	Upto 100 KW/KVA, Rs. 454900/- required to be paid and after 100KW/KVA, per KW/KVA cost required to be paid.
2	Cost of CT/ PT Metering Equipment Structure as per annexure attached	100 (Average 50-150)	335402	3354		
3	Electrical Inspector Fee	100	600	6		