BEFORE THE HON'BLE ARUNACHAL PRADESH STATE ELECTRICITY REGULATORY COMMISSION

Regulatory Compliance Application No.-____/2024

OF

The Chief Engineer (Commercial)-cum-CEI, Department of Power, Itanagar

Sl. No. 324 LA II
Date 20 JUN 2024

IN MATTER OF:

The Chief Engineer (Commercial)-cum-CEI, Department of Power, Itanagar, Arunachal Pradesh

..... Petitioner

-AND-

IN MATTER OF

An application praying for approval of new service connection charges in electrified areas up to a load of 150 KW in compliance of clause no. 3.6.4(10) of Arunachal Pradesh State Electricity Regulatory Commission (Electricity Supply Code) Regulation, 2024.

MOST RESPECTFULLY SHEWETH:

1. That the Petitioner begs to submit that this petition is being filed before the Hon'ble Commission for approval of new service connection charges in electrified areas up to a load of 150 KW.

2. That the Petitioner begs to submit that the Hon'ble Commission in the Arunachal Pradesh State Electricity (Electricity Supply Code) Regulation, 2024 at Clause No. 3.6.4(10) requires the Licensee to file petition as per the APSERC Conduct of Business Regulation before the Commission for determination of New Service connection charges per KW upto 150 KW in electrified areas.

3. That the Petitioner begs to submit that as per the directives on ***Ease of Living*** in the 3rd National Conference of Chief Secretaries, chaired by the Hon'ble Prime Minister of India, which was held from 27th-29th December, the Licensee is required to simplify the connection charges (New) for load upto 150 KW in the electrified areas.

4. That the Petitioner begs to submit that in pursuant to the directives as at Sl No. 2 & 3 above, calculation/analysis has been made for all categories of consumers at LT-1 phase, LT-3 phase, and HT (11KV) and worked out the connection charges (New Connection) in per KWupto 150 KW.

   Copy of the calculation sheet and analysis is enclosed as Annexure-1.

   Extract copy of the Department's Schedule of Rates (SoR), 2022 is enclosed as Annexure-2

   Copy of the cost of meters under RDSS is enclosed as Annexure-3.

5. That the Petitioner begs to submit that the connection charges per KW for a new service connection in electrified areas is worked out for all categories of consumers as follows:

Sl No	Category of Consumer	Registration and processing fee	Cost of materials	Cost of meter		Security Deposit		**Connection charges per KW**	
				Prepaid	Postpaid	Prepaid	Postpaid	**Prepaid**	**Postpaid**
1	2	3	4	5	6	7	8	**9=3+4+5+7**	**10=3+4+6+8**
I. LT, 1-Ph (Upto 7 KW whose distance is not more than 30m from the nearest pole).									
1	Domestic	50	1750	6000	1500	0	1728	**7800**	**5028**
2	Commercial	50	1750	6000	1500	0	3600	**7800**	**6900**
3	LT Industrial	50	1750	6000	1500	0	3096	**7800**	**6396**
4	Agriculture	50	1750	6000	1500	0	1473	**7800**	**4773**
5	Water Supply	50	1750	6000	1500	0	2424	**7800**	**5724**
6	Street Light	50	1750	6000	1500	0	2938	**7800**	**6238**
7	Sigbal& Blinker	50	1750	6000	1500	0	2938	**7800**	**6238**
8	Railway Traction	50	1750	6000	1500	0	1728	**7800**	**5028**
9	EV Charging station	50	1750	6000	1500	0	3600	**7800**	**6900**
II. LT, 3-Ph (For load more than 7 KW and up to 50 KW and whose distance is not more than 30m from the nearest pole).									
1	Domestic	50.00	3500.00	6000.00	2500.00	0.00	1728.00	9550.00	7778.00

2	Commercial	50.00	3500.00	6000.00	2500.00	0.00	3600.00	9550.00	9650.00
3	LT Industrial	50.00	3500.00	6000.00	2500.00	0.00	3024.00	9550.00	9074.00
4	Agriculture	50.00	3500.00	6000.00	2500.00	0.00	1473.00	9550.00	7523.00
5	Water Supply	50.00	3500.00	6000.00	2500.00	0.00	2424.00	9550.00	8474.00
6	Street Light	50.00	3500.00	6000.00	2500.00	0.00	2938.00	9550.00	8988.00
7	Signal & Blinkers	50.00	3500.00	6000.00	2500.00	0.00	2938.00	9550.00	8988.00
8	Railway Traction	50.00	3500.00	6000.00	2500.00	0.00	1728.00	9550.00	7778.00
9	EV charging station	50.00	3500.00	6000.00	2500.00	0.00	3600.00	9550.00	9650.00
III. 11KV (Load more than 50KW (55.6 KVA) and up to 150 KW (166.7 KVA) whose distance is not more than 100 meters from the nearest pole).									
1	Domestic	1000.00	14804.00	23000.00	4000.00	0.00	1469.00	38804.00	21273.00
2	Commercial	1000.00	14804.00	23000.00	4000.00	0.00	3024.00	38804.00	22828.00
3	HT (11KV) Industries	1000.00	14804.00	23000.00	4000.00	0.00	5400.00	38804.00	25204.00
4	Agriculture	1000.00	14804.00	23000.00	4000.00	0.00	1307.00	38804.00	21111.00
5	Water Supply	1000.00	14804.00	23000.00	4000.00	0.00	1996.00	38804.00	21800.00
6	Street Light	1000.00	14804.00	23000.00	4000.00	0.00	2419.00	38804.00	22223.00
7	Signal & Blinkers	1000.00	14804.00	23000.00	4000.00	0.00	2419.00	38804.00	22223.00
8	Railway Traction	1000.00	14804.00	23000.00	4000.00	0.00	3024.00	38804.00	22828.00

NOTARY Oni Mibang GHCIPB (A.P.) Regd No. 22686 Expiry Date 08/08/2028 GOVT. OF INDIA

NOTE:-

1. Registration and processing fee as per Electricity Supply Code 2024.
2. Security Deposit as per Tariff order, 2018-19 (2023-24).
3. Signal & Blinker is treated at par with the street light category.
4. Railway traction is treated at par with the commercial category.
5. EV Charging station is treated at par with the commercial category.
6. The cost of materials is as per the analysis.
7. The cost of prepaid meter as per RDSS
8. The cost of postpaid meters as per market rates.

6. Accordingly, this application has been filed bonafide and for approval of connection charges (New) per KW for various categories of consumers as depicted below:

New Service Connection Charges per KW of load up to 150 KW in electrified areas

Sl No	Category of Consumer	Connection charges (Rs/KW)	
		With prepaid meter	With postpaid meter
I.	**LT-1 phase (to 7 KW and whose distance is not more than 30 meters from the nearest pole).**		
1	Domestic	7800	5028
2	Commercial	7800	6900
3	LT Industrial	7800	6396
4	Agriculture	7800	4773
5	Water Supply	7800	5724
6	Street Light	7800	6238
7	Sigbal& Blinker	7800	6238
8	Railway Traction	7800	5028
9	EV Charging Station	7800	6900
II.	**LT-3 phase (above 7 KW and up to 50 KW and whose distance is not more than 30 meters from the nearest pole).**		
1	Domestic	9550	7778
2	Commercial	9550	9650
3	LT Industrial	9550	9074
4	Agriculture	9550	7523
5	Water Supply	9550	8474
6	Street Light	9550	8988
7	Sigbal& Blinker	9550	8988
8	Railway Traction	9550	7778
9	EV Charging Station	9550	9650
III.	**HT (11 KV) Consumer (Load more than 50KW (55.6 KVA) and up to 150 KW (166.7 KVA) whose distance is not more than 100 meters from the nearest pole).**		
1	Domestic	38804	21273

NOTARY
Oni Mihang
GNCIPB (A.P)
Regd. No. 22686
Expiry Date
08/08/2028
GOVT. OF INDIA

2	Commercial	38804	22828
3	HT (11KV) Industrial	38804	25204
4	Agriculture	38804	21111
5	Water Supply	38804	21800
6	Street Light	38804	22223
7	Sigbal& Blinker	38804	22223
8	Railway Traction	38804	22828

And for this act of kindness, the petitioner as is duty bound shall ever pray.

NOTARY
Oni Mibang
GHCIPB (A.P.)
Regd. No. 22066
Expiry Date-
08/08/2028
GOVT. OF INDIA

A F F I D A V I T

I, Shri Duyu Tacho, age about 58 years, S/o. Shri DuyuTago, presently serving as Chief Engineer, (Commercial) -cum CEI under the Department of Power, Itanagar, Arunachal Pradesh, do hereby affirm and states, as follows:

1. That the applicant of the application, is fully conversant with all the facts and the circumstances of the case and is competent to swear and sign this Affidavit.

2. That the statements made in Paragraphs 1, 2, 3, 4, 5, and 6 of this Petition are true to the best of my personal knowledge and belief.

NOTARY
Oni Mibang
GHCIPB (A.P)
Regd No 22686
Expiry Date
08/08/2028
GOVT. OF INDIA

"OATH"

Hence, I swear that this affidavit/declaration is true, that it conceals nothing, and that no part of it is false, so help me God.

And I sign this Affidavit in the Commission Premises at Itanagar, Arunachal Pradesh, on this 20th day of June 2024.

Identified by:-

Oni Mibang (Advocate)
Enl/No. 1732 of 2013-14
Gauhati High Court
Itanagar Permanent Bench.

(Advocate)

DEPONENT

NOTARY PUBLIC: OATH COMMISSIONER
Solemnly affirmed before me this day, I Certify that I read over and Explained the contents to the declarant and that the declarant Seemed perfectly to understand them.

Oni Mibang
NOTARY GOVT. OF INDIA
GHCIPB (A.P)
Regd. No. 22686

Annexure - 1 (99)

New Service connection charges per KW load up to 150 KW in electrified areas.

Sl No	Category of Consumer	Cost of (Rs)						Connection charge per KW	
		Registration & processing fee	Materials	Meters with		Security Deposit with			
				Prepaid	Postpaid	Prepaid	Postpaid	Prepaid	Postpaid
1	2	3	4	5	6	7	8	9=3+4+5+7	10=3+4+6+8
I. LT, 1-Ph (Upto 7 KW whose distance is not more than 30m from the nearest pole).									
1	Domestic	50.00	1750.00	6000.00	1500.00	0.00	1728.00	7800.00	5028.00
2	Commercial	50.00	1750.00	6000.00	1500.00	0.00	3600.00	7800.00	6900.00
3	LT Industrial	50.00	1750.00	6000.00	1500.00	0.00	3096.00	7800.00	6396.00
4	Agriculture	50.00	1750.00	6000.00	1500.00	0.00	1473.00	7800.00	4773.00
5	Water Supply	50.00	1750.00	6000.00	1500.00	0.00	2424.00	7800.00	5724.00
6	Street Light	50.00	1750.00	6000.00	1500.00	0.00	2938.00	7800.00	6238.00
7	Signal & Blinkers	50.00	1750.00	6000.00	1500.00	0.00	2938.00	7800.00	6238.00
8	Railway Traction	50.00	1750.00	6000.00	1500.00	0.00	1728.00	7800.00	5028.00
9	EV Charging station	50.00	1750.00	6000.00	1500.00	0.00	3600.00	7800.00	6900.00
II. LT, 3-Ph (For load more that 7 KW and upto 50 KW and whose distance is not more than 30m from the nearest pole).									
1	Domestic	50.00	3500.00	6000.00	2500.00	0.00	1728.00	9550.00	7778.00
2	Commercial	50.00	3500.00	6000.00	2500.00	0.00	3600.00	9550.00	9650.00
3	LT Industrial	50.00	3500.00	6000.00	2500.00	0.00	3024.00	9550.00	9074.00
4	Agriculture	50.00	3500.00	6000.00	2500.00	0.00	1473.00	9550.00	7523.00
5	Water Supply	50.00	3500.00	6000.00	2500.00	0.00	2424.00	9550.00	8474.00
6	Street Light	50.00	3500.00	6000.00	2500.00	0.00	2938.00	9550.00	8988.00
7	Signal & Blinkers	50.00	3500.00	6000.00	2500.00	0.00	2938.00	9550.00	8988.00
8	Railway Traction	50.00	3500.00	6000.00	2500.00	0.00	1728.00	9550.00	7778.00
9	EV charging station	50.00	3500.00	6000.00	2500.00	0.00	3600.00	9550.00	9650.00
III. 11KV (Load more than 50KW (55.6 KVA) and upto 150 KW (166.7 KVA) whose distance is not more than 100 metres from the nearest pole).									
1	Domestic	1000.00	14804.00	23000.00	4000.00	0.00	1469.00	38804.00	21273.00
2	Commercial	1000.00	14804.00	23000.00	4000.00	0.00	3024.00	38804.00	22828.00
3	HT (11KV) Industries	1000.00	14804.00	23000.00	4000.00	0.00	5400.00	38804.00	25204.00
4	Agriculture	1000.00	14804.00	23000.00	4000.00	0.00	1307.00	38804.00	21111.00
5	Water Supply	1000.00	14804.00	23000.00	4000.00	0.00	1996.00	38804.00	21800.00
6	Street Light	1000.00	14804.00	23000.00	4000.00	0.00	2419.00	38804.00	22223.00
7	Signal & Blinkers	1000.00	14804.00	23000.00	4000.00	0.00	2419.00	38804.00	22223.00
8	Railway Traction	1000.00	14804.00	23000.00	4000.00	0.00	3024.00	38804.00	22828.00

NOTE:-

1. Registration and processing fee as per Electricity Supply Code 2024.
2. Security Deposit as per Tariff order, 2018-19 (2023-24).
3. Signal & Blinker is treated at par with street light category.
4. Railway traction is treated at par with commercial category.
5. EV Charging station is treated at par with commercial category.
6. Cost of materials is as per the analysis.
7. Cost of prepaid meter as per RDSS
8. Cost of postpaid meters as per market rates.

Chief Engineer (Com) CUM CE
Department of Power
Itanagar A.P.

Chief Engineer (Power)
Eastern Electrical Zone
Department of Power
Namsai

Chief Engineer (E)
Central Electrical Zone
Dept. of Power, Itanagar
Arunachal Pradesh

CHIEF ENGINEER (POWER)
WESTERN ELECTRICAL ZONE
DEPARTMENT OF POWER
ITANAGAR

1/2

Analysis of Material Cost

Sl No	Item Description	Amount (Rs)	Load (KW)	Av Load (KW)	Per KW (Rs)	Remarks
1	2	3	4	5	6=3/4	7
I. LT, 1-Ph (Upto 7 KW whose distance is not more than 30m from the nearest pole).						
1	Cost of 1-phase Service Connection per no.	7000.00	1-7	4	1750.00	Col. 3 as per SoR, 2022
II. LT, 3-Ph (For load more that 7 KW and upto 50 KW and whose distance is not more than 30m from the nearest pole).						
1	Cost of 3-phase Service Connection	14000.00	7.1-50		3500.00	2 times of 1-ph
III. 11KV (Load more than 55.5 KVA and upto 166.6 KVA whose distance is not more than 100 metres).						
1	Cost of 1Km 11KV line (9m Pole with 2.59 sqmm ACSR conductor))	1447000.00	50.1-150	100	14803.81	Col. 3 as per SoR, 2022
2	Cost of 0.1Km 11KV line (9m Pole with 2.59 sqmm ACSR conductor))	144700.00				
3	Cost of 100KVA, 11/0.4 KV Distribution sub-station	1347000.00				
4	Less cost of meters	11319.00				
5	*Cost of materials for 1Km 11KV line & 1 100KVA, 11/0.4KV S/S for 100KW load (2+3-4)*	***1480381.00***				
6	Cost of materials for 1KW load (5/100)	**14803.81**				
	Cost of material			Say,	14804.00	

Chief Engineer (Com) CUM-DEI
Department of Power
Itanagar A.P.

Chief Engineer (P)
Central Electrical Zone
Dept. of Power, Itanagar
Arunachal Pradesh

CHIEF ENGINEER (POW
WESTERN ELECTRICAL
DEPARTMENT OF P
ITANAGAR

Chief Engineer (Power)
Eastern Electrical Zone
Department of Power
Namsai

Annexure - 2

(107)

QUICK THUMP RULE ESTIMATOR

(For Quick Approximate Assessment of various Components of EHV & Distribution Systems)

(All amount are in Lakh)

Sl. No.	Items of Work	Unit	Cost
1	Sample Estimate for 132 KV S/C Transmission Line with ACSR PANTHER & OPGW	KM	198.50
2	Sample Estimate for 132 KV S/C Transmission Line with ACSR PANTHER & OPGW on DC Tower	KM	214.18
3	Sample Estimate for 132 KV S/C Transmission Line with ACSR ZEBRA & OPGW	KM	205.65
4	Sample Estimate for 132 KV S/C Transmission Line with ACSR ZEBRA & OPGW on DC Tower	KM	221.33
5	Sample Estimate for 132 KV D/C Transmission Line with ACSR PANTHER & OPGW	KM	234.61
6	Sample Estimate for 132 KV D/C Transmission Line with ACSR ZEBRA & OPGW	KM	248.31
7	Sample Estimate for 3 - Φ, 2 X 5 MVA, 132/33 KV Sub Station	NO.	2338.42
8	Sample Estimate for 3 - Φ, 2 X 10 MVA, 132/33 KV Sub Station	NO.	2708.27
9	Sample Estimate for 3 - Φ, 2 X 20 MVA, 132/33 KV Sub Station	NO.	2955.10
10	Sample Estimate for 1 - Φ, 4 X 5 MVA, 132/33 KV Sub Station	NO.	2551.90
11	Sample Estimate for 1 - Φ, 4 X 10 MVA, 132/33 KV Sub Station	NO.	2917.05
12	Sample Estimate for 33 KV S/C Line per KM with 10 M Steel Tubular Poles, 6/1/3.35 Sqmm ACSR Conductor	KM	20.31
13	Sample Estimate for 33 KV S/C Line per KM with 10 M Steel Tubular Poles, 6/1/4.09 Sqmm ACSR Conductor	KM	21.88
14	Sample Estimate for 33 KV S/C Line per KM with 12 M Steel Tubular Poles, 6/7/1.57 Sqmm ACSR Conductor	KM	25.48
15	Sample Estimate for 11 KV S/C Line per KM with 10 M Steel Tubular Poles, 6/1/3.35 Sqmm ACSR Conductor	KM	18.58
16	Sample Estimate for 11 KV S/C Line per KM with 9 M Steel Tubular Poles, 6/1/2.59 Sqmm ACSR Conductor	KM	14.47
17	Sample Estimate for 11 KV S/C Line per KM with 9 M Steel Tubular Poles, 6/1/4.09 Sqmm ACSR Conductor	KM	18.03
18	Sample Estimate for 11 KV D/C Line per KM with 9 M Steel Tubular Poles, 6/1/2.59 Sqmm ACSR Conductor	KM	20.91
19	Sample Estimate for 11 KV 1 Ph Earth Return Transmission Line per KM with 8 M Steel Tubular Poles, 6/1/2.59 Sqmm ACSR Conductor	KM	8.72
20	Sample Estimate for 11 KV 1 Ph Earth Return High Voltage Distribution System (HVDS) per KM with 8 M Steel Tubular Poles, 6/1/2.59 Sqmm ACSR Conductor	KM	9.44

Trans Plng & Monitoring Zone
Deptt. Of Power
Vidyut Bhawan, Bailagar

21	Sample Estimator for 11 KV 3 Ph High Voltage Distribution System (HVDS) per KM with 8 M Steel Tubular Poles, 6/1/2.11 Sqmm ACSR Conductor	KM	18.41
22	Sample Estimate for HT Line per KM with 9 M G I Poles & Aerial Bunched Cable of size 3X25+1X55 Sqmm	KM	21.37
23	Sample Estimate for HT Line per KM with 9 M G I Poles & Aerial Bunched Cable of size 3X35+1X55 Sqmm	KM	22.47
24	Sample Estimate for 3 Ph 5 Wire LT Line per KM with 7.5 M Steel Tubular Poles, 6/1/2.11 Sqmm ACSR Conductor	KM	20.25
25	Sample Estimate for 3 Ph 4 Wire LT Line per KM with 7.5 M Steel Tubular Poles, 6/1/2.11 Sqmm ACSR Conductor	KM	15.43
26	Sample Estimate for 3 Ph 4 Wire LT Line per KM with 7.5 M Steel Tubular Poles, 6/1/2.59 Sqmm ACSR Conductor	KM	17.11
27	Sample Estimate for 3 Ph 4 Wire LT Line per KM with 7.5 M Steel Tubular Poles, 6/1/3.35 Sqmm ACSR Conductor	KM	20.49
28	Sample Estimate for 1 Ph 2 Wire LT Line per KM with 7.5 M Steel Tubular Poles, 6/1/2.11 Sqmm ACSR Conductor	KM	12.78
29	Sample Estimate for 1 Ph 2 Wire LT Line per KM with 7.5 M Steel Tubular Poles, 6/1/2.59 Sqmm ACSR Conductor	KM	13.18
30	Sample Estimate for LT Line per KM with 7.5 M G I Poles & Aerial Bunched Cable of size 3X25+1X35+1X16 Sqmm	KM	13.72
31	Sample Estimate for LT Line per KM with 7.5 M G I Poles & Aerial Bunched Cable of size 3X35+1X35+1X16 Sqmm	KM	14.03
32	Sample Estimate for LT Line per KM with 7.5 M G I Poles & Aerial Bunched Cable of size 3X50+1X35+1X25 Sqmm	KM	15.32
33	Sample Estimate for LT Line per KM with 7.5 M G I Poles & Aerial Bunched Cable of size 3X70+1X35+1X16 Sqmm	KM	15.73
34	Sample Estimate for LT Line per KM with 7.5 M G I Poles & Aerial Bunched Cable of size 3X95+1X50+1X16 Sqmm	KM	16.86
35	Sample Estimate for LT Line per KM with 7.5 M G I Poles & Aerial Bunched Cable of size 3X120+1X70+1X16 Sqmm	KM	18.10
36	Sample Estimate for 10 KVA, 11/√3 /0.25 KV Out Door Type Distribution Sub Station	NO.	4.18
37	Sample Estimate for 16 KVA, 11/√3 /0.25 KV Out Door Type Distribution Sub Station	NO.	4.25
38	Sample Estimate for 16 KVA, 11/0.4 KV Distribution Sub Station	NO.	7.66
39	Sample Estimate for 25 KVA, 11/0.4 KV Distribution Sub Station	NO.	8.00
40	Sample Estimate for 63 KVA, 11/0.4 KV Distribution Sub Station	NO.	11.61
41	Sample Estimate for 100 KVA, 11/0.4 KV Distribution Sub Station	NO.	13.47
42	Sample Estimate for 150 KVA, 11/0.4 KV Distribution Sub Station	NO.	16.49
43	Sample Estimate for 200 KVA, 11/0.4 KV Distribution Sub Station	NO.	17.31
44	Sample Estimate for 250 KVA, 11/0.4 KV Distribution Sub Station	NO.	20.10
45	Sample Estimate for 315 KVA, 11/0.4 KV Distribution Sub Station	NO.	21.43

46	Sample Estimate for 400 KVA, 11/0.4 KV Distribution Sub Station	NO.	22.93
47	Sample Estimate for 630 KVA, 11/0.4 KV Distribution Sub Station	NO.	27.57
48	Sample Estimate for 1 x 1000 KVA, 33/11 KV Standard Power Sub Station	NO.	805.32
49	Sample Estimate for 2 x 1000 KVA, 33/11 KV Standard Power Sub Station	NO.	909.81
50	Sample Estimate for 1 x 3150 KVA, 33/11 KV Standard Power Sub Station	NO.	852.29
51	Sample Estimate for 2 x 3150 KVA, 33/11 KV Standard Power Sub Station	NO.	1003.76
52	Sample Estimate for 1 x 5000 KVA, 33/11 KV Standard Power Sub Station	NO.	875.37
53	Sample Estimate for 2 x 5000 KVA, 33/11 KV Standard Power Sub Station	NO.	1049.91
54	Sample Estimate for 1 x 2500 KVA, 33/11 KV Standard Power Sub Station	NO.	846.49
55	Sample Estimate for 2 x 2500 KVA, 33/11 KV Standard Power Sub Station	NO.	992.14
56	Sample Estimate for 1 x 1600 KVA, 33/11 KV Standard Power Sub Station	NO.	822.00
57	Sample Estimate for 2 x 1600 KVA, 33/11 KV Standard Power Sub Station	NO.	943.16
58	Sample Estimate for Extra 33 KV Line Bay	NO.	76.97
59	Sample Estimate for Extra 11 KV Line Bay	NO.	65.81
60	Sample Estimate for Domestic 1 Phase Service Connection BPL House Hold	NO.	0.07

Annexure - 3

104

Annexure-B

Smart Metering DPR (Power Department, Arunachal Pradesh)

S.No	Type of Smart meter	Per unit cost of meter (in Rs.)	Phase-I (By Dec'23)		Phase-II (By March'25)		Total Meters	Estimated project cost (Rs. Cr)
			Nos	in %	Nos	in %		
1 (a)	Smart Consumer Prepaid Metering	₹ 6,000.00	183,965	80%	45,991	20%	229,957	137.97
1 (b)	Simple Prepaid Meters	₹ 3,200.00	45,991	80%	11,498	20%	57,489	18.40
2	Smart DT Metering	₹ 23,000.00	7,488	74%	2,628	26%	10,116	23.27
3	Smart Feeder Metering (including boundary meters)	₹ 42,000.00	688	100%	0	0%	688	2.89
Total			238,133	79.84%	60,117	20.16%	298,250	182.53
Total GBS excluding incentive for Phase I & Phase II*								41.07
Incentive for Phase I								12.41
Total GBS including incentive for Phase 1								53.48
PMA @ 2.5% of GBS								1.03

* - 22.50 % of the approved cost of the metering including the operational cost, provided that it is not more than Rs. 1,350 per meter for smart consumer prepaid metering only.
** - Maximum incentive GBS for deployment of prepaid Smart meters by December, 2023- 11.25 % of the cost per consumer meter including operational cost or Rs. 675 per consumer meter, whichever is lower
$- Simple Prepaid Meters is proposed for 20% of consumers (having network connectivity issues). Benchmark cost for simple prepaid meters is considered as Rs 3200 per meter.