



SOUTH BIHAR POWER DISTRIBUTION COMPANY LIMITED

Registered Office: Vidyut Bhawan, Bailey Road, Patna – 21.

**A Govt. Of Bihar Undertaking
(Department of Commercial)**

CIN. U40109BR2012SGC018890

Letter No. :- 2049
SBC/312/2024

Dated :-18-12-2024

From,

**Purushottam Prasad,
Chief Engineer (Com.)**

To,

**The Secretary,
Bihar Electricity Regulatory Commission,
Patna**

Sub. :- **Regarding submission of response on behalf of South Bihar Power Distribution Company Limited against BERC letter no. 972 and 973 dated 05.12.2024.**

Ref. :- (i) BERC letter no. 972 and 973 dated 05.12.2024.
(ii) This office letter no. 2033 dated 13.12.2024.

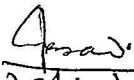
Sir,

Please find enclosed herewith, response on behalf of South Bihar Power Distribution Company Limited against BERC letter no. 972 and 973 dated 05.12.2024 in the matter of petition for True up for FY 2023- 24, Annual Performance Review (APR) for FY2024-25, Annual Revenue Requirement (ARR) for FY 2025-26 to FY 2027-28 and determination of retail tariff of electricity for FY 2025-26 and Business Plan for FY 2025-26 to FY 2027-28.

The Hon'ble Commission is prayed to consider the reply/response to the queries and is requested to condone for the delay in the submission of the reply.

- Encl. :- 1. Six set of Response to Hon'ble BERC
Queries.
2. CD for soft copy of Appendix/Annexure.

Yours faithfully


18/12/24
(Purushottam Prasad)
Chief Engineer (Com.)

**Response to BERC Letter no. 972 and 973 dtd. 05/12/2024 regarding SBPDCL
Tariff Petition for FY 2025-26**

Letter No. 973

1. Consumer No, Connected Load & Sales

i. Kutir Jyoti Category

It has been noticed that the petitioner SBPDCL has considered the connected load per Kutir Jyoti consumer as 0.258 K W, 0.263 KW & 0.269 KW during the Business Plan period FY 2025-26 to FY 2027-28, whereas average consumption per Kutir Jyoti consumer during the same period has been considered as 81.65 kWh, 82.47 kWh & 83.29 kWh. The petitioner to revisit the calculations and correct the same as per Kutirjyoti norm (connected load 0.250 KW per consumer and consumption 50 kWh per consumer per month).

Petitioner's Response:

The Petitioner hereby submits that the connected load per Kutir Jyoti consumer for FY 2023-24 translates to 0.2481 (387845 / 1563266) which is as per actual figures of connected load and nos. of consumers in the audited annual accounts for FY 2023-24. The Petitioner has projected the connected load per Kutir Jyoti consumer as 0.258 K W, 0.263 KW & 0.269 KW during the Business Plan period FY 2025-26 to FY 2027-28 which is based on considering the yearly annual increase of 2% in the connected load per Kutir Jyoti consumer figure of FY 2023-24. Further, the Petitioner requests the Hon'ble Commission that the projected connected load per KJ consumers during the Business Plan period FY 2025-26 to FY 2027-28 may be considered in accordance with the normative norms of connected load i.e. 0.250 KW per consumer.

Further, it is respectfully submitted that average consumption per Kutir Jyoti consumer per month for FY 2023-24 translates to 80.04 (sales=1501.51 MU, consumer=1563266) which is as per actual figures of sales and nos. of consumers in the audited annual accounts for FY 2023-24. The Petitioner has projected average consumption per Kutir Jyoti consumer as 81.65 kWh, 82.47 kWh & 83.29 kWh during the Business Plan period FY 2025-26 to FY 2027-28 which is based on considering the yearly annual increase of 1% in the average consumption per Kutir Jyoti consumer per month figure of FY 2023-24. Further, the Petitioner requests the Hon'ble Commission that the projected average consumption per Kutir Jyoti consumer during the Business Plan period FY 2025-26 to FY 2027-28 may be considered in accordance with the normative consumption norms i.e. 50 kWh per consumer per month.

In addition to the above, the Petitioner respectfully submits that since the prepaid smart metering is being implemented in the state in phase wise manner, dominantly for domestic and NDS categories, including KJ category, the KJ category may be brought under demand based tariff regime if it exceeds 0.250 KW of demand for a consumer.

ii. Public Street light (metered and unmetered)

The petitioner has projected the sale for 1,355 numbers of metered street light consumer as 81.72 MU during FY 2025-26, whereas the sale for 1440 numbers of un-metered street light has been projected as 199.71 MU implying monthly consumption of metered streetlight equal to 5,026 units and that of un-metered category of street light equal to 11,597 units. The petitioner shall submit the rationale for considering higher sale figures for un-metered Street light category.

Petitioner’s Response:

The Petitioner hereby respectfully submits that the projections of sales, number of consumers and connected load of metered and un-metered Street light category for FY 2025-26 along with the actual figures for FY 2023-24 (as per audited annual accounts) as specified in the tariff petition for FY 2025-26 is provided below:

	FY 2023-24		FY 2025-26	
	SS-Metered	SS-Unmetered	SS-Metered	SS-Unmetered
Nos. of consumers	1162	1412	1355	1440
Sales (MU)	67	199	82	200
Load (KW)	11029	25997	13384	27591
Sales/ consumer / month (kWh)	4804.93	11744.57	5043.05	11574.07
Sales/ KW / month (kWh)	506.24	637.89	510.56	604.06

Further, it is pertinent to mention that the projections for FY 2025-26 are done over the actual figures of FY 2023-24. The aforesaid table clearly shows that the connected load for SS-unmetered category is much higher as compared to the SS-metered category for FY 2025-26 and therefore the monthly consumption of each SS-unmetered consumers in FY 2025-26 (11574.07 kWh) is higher than that of SS-metered consumers (5043.05 kWh).

Further, it is worthwhile to mention that actual sales per KW per month in FY 2023-24 translates to 506.24 unit and 637.89 unit for SS-metered and SS-unmetered category, respectively which is projected to be 510.56 unit and 604.06 unit respectively. Further, the Hon’ble Commission may appreciate that given the emphasis on metering all consumers, including SS consumers as well, sales per consumer per month and sales per KW per month for SS-unmetered consumers is projected to be reduced in FY 2025-26 as compared to the corresponding figures in table above for FY 2023-24.

iii. Format 1 —Number of Consumers, connected load and Sales - Spreadsheet of Format 1 enclosed with petition has external document link. The petitioner shall re-submit the Format 1 with inter linkage with supporting data considered for arriving at growth rate. The petitioner shall furnish information / assumption considered for projecting the Category wise consumer number, connected load and sale in the following format.

S.No	Consumer Category	5 Yr CAGR	3 Yr CAGR	YoY growth	Growth Rate considered for the projections	Reason for considering the Growth rate

Petitioner’s Response:

The Petitioner hereby submits that the same is provided in the Revenue model as attached herewith.

2. Power Purchase Projections for FY 2025-26 to FY 2027-28

I. Table 9 on page no 20 of Business Plan proposal: It has been noticed that the spreadsheet Format 3 (A) enclosed with the petition has external document link. The petitioner shall furnish complete information on the capacity tie up for procurement of energy during FY 2025-26 to FY 2027-28 after due consideration of upcoming new capacity addition as indicated in Table 7 of the business plan as well as Plants PPA expiring / retiring in near future in the following format.

S No	Name of Power Plant	Existing / New	PLF considered	Remarks

Petitioner Response

Petitioner’s Response

In response to above mention query, the Petitioner would like to submit that the details of Existing/New Power Plant along with PLF considered is provided in **Annexure No. 2 (I) (BP)**.

2. Power Purchase Projections for FY 2025-26 to FY 2027-28

II. The petitioner shall furnish the information about the recent capacity allocation from Eastern Regional Power Committee (ERPC).

Petitioner Response

In response to above mention query, please find the details of capacity allocation of Bihar from Eastern Regional Power Committee (ERPC) with reference to letter no. ERPC/Comm-I/Gen/Share/2024-25/1094 dated 29.09.2024 as follows. The reference document from ERPC is attached in **Annexure No. 2 (BP)**.

Name of Plants	Installed capacity	Firm Allocation	Unallocated Power	Bihar Share	SBPDC L Share
NTPC(BARH-I)	1,320.00	683.36	118.18	801.54	432.83
NTPC(BARH-II)	1,320.00	1,024.98	127.81	1,152.79	622.50
NTPC (DARLIPALLI)	1,600.00	161.28	162.14	323.42	174.65

Name of Plants	Installed capacity	Firm Allocation	Unallocated Power	Bihar Share	SBPDC L Share
NTPC (FARAKKA - I & II)	1,600.00	302.36	107.75	410.11	221.46
NTPC (FARAKKA - III)	500.00	55.40	41.83	97.23	52.51
NTPC (KAHALGAUN - I)	840.00	-	51.52	51.52	27.82
NTPC (KAHALGAUN - II)	1,500.00	-	63.67	63.67	34.38
NTPC (NORTH KARANPURA)	1,320.00	458.70	134.93	593.63	320.56
NTPC (TALCHAR)	1,000.00	343.50	60.40	403.90	218.11
NTPC (KBUNL-II)	390.00	264.03	25.04	289.07	156.10
NABINAGAR POWER GENERATION COMPANY LIMITED	1,980.00	1,552.50	87.07	1,639.57	885.37
NHPC (RANGIT)	60.00	16.89	6.13	23.02	12.43
NHPC (TEESTA)	510.00	54.88	52.13	107.01	57.78
PTC (TALA)	1,020.00	260.10	-	260.10	140.45
PTC (CHUKHA)	270.00	68.23	24.88	93.11	50.28
PTC (MANGDECHHU)	720.00	225.65	58.87	284.52	153.64
PTC(KURUCHU)	60.00	-	3.41	3.41	1.84

2. Power Purchase Projections for FY 2025-26 to FY 2027-28

III. The petitioner in para 4.1.7 on page no 19 stated that "for the purpose of projection, the Petitioner has considered the Medium Term PPAs to be must run due to the fact that the Petitioner has a minimum off-take liability in its Medium Term PPAs. The petitioner shall furnish the list of generators tied up under along with their fixed and variable charge component. The petitioner shall submit the justification for not considering the generators tied up under medium term PPA under Merit Order Dispatch.

Petitioner Response

In response to the abovementioned query, the Petitioner would like to submit that the Petitioner consider its Medium Term PPAs as must run because there shall contractual obligation to supply a minimum off-take liability. Accordingly, power generated under these PPAs will be prioritized and dispatched to the grid to meet the agreed-upon minimum purchase requirements. This ensures that the petitioner can fulfill its contractual obligations and receive the expected revenue from these agreements. Currently, the Petitioner currently signed medium term Power Purchase Agreement for the FY 2024-25 to FY 2027-28 with Power Trading Corporation for procuring Hydro Power from Nepal. The details of PPA along with list of Power Plants is attached in **Annexure No 2 (III) (BP)**.

Power Purchase, Cost Projections

III. The petitioner under para 4.2. I of page no 24 of Business Plan mention that the Petitioner has considered an escalation of 6.67% and 5.57% on the previous year i.e. on the FY 2024-25 fixed charges and energy charges respectively for the NTPC / NHPC & PTC power plants. This is based on CAGR of fixed and variable charge observed during FY 2021-22 for FY 2023-24. For Renewable Energy projects, the energy cost for the control period is considered as per approved the levelized tariff by the Commission. The petitioner shall submit following

information with regard to Central sector and RE power plant for the purpose of data verification and prudent check.

S No	Particulars	Details of past CERC Tariff Order referred by the Petitioner	Details of BERCL RE tariff order referred by the Petitioner
1.	Central Sector Generation Plant		
2	Renewable Energy Generating Plant		

Petitioner Response

In response to the abovementioned query, the Petitioner would like to submit the details of the BERCL tariff order for the Renewable projects is as follows

	Name of the Power Plants	Commission's Approval Order & date
1	NTPC(BARH-I)	Consider as per audited account of FY 2023-24
2	NTPC(BARH-II)	
3	NTPC (DARLIPALLI)	
4	NTPC (FARAKKA - I & II)	
5	NTPC (FARAKKA - III)	
6	NTPC (KAHALGAUN - I)	
7	NTPC Dadri	
8	NTPC (KAHALGAUN - II)	
9	NTPC (NORTH KARANPURA)	
10	NTPC (TALCHAR)	
11	NTPC (KBUNL-II)	
12	NABINAGAR POWER GENERATION COMPANY LIMITED	
13	BHARTIYA RAIL BIJLEE COMPANY LIMITED	
14	NTPC (BARAUNI-I)	
15	NTPC (BARAUNI-II)	
	Renewable	
1	NHPC (RANGIT)	
2	NHPC (TEESTA)	
3	PTC (TALA)	
4	PTC (CHUKHA)	
5	PTC (MANGDECHHU)	BERCL Order dated 08/11/2019 in case no. 22/2019
6	PTC(KURUCHU)	BERCL Order dated 18/07/2023 in case no. 13/2023
	PTC (NEPAL)	BERCL order dated 13/06/2024 in case no. 11/2024
7	BSHPC	BERCL order dated 22/12/2019 in case no. TP -01 of 2019

	Name of the Power Plants	Commission's Approval Order & date
8	GMR KAMALANGA ENERGY LIMITED	
9	JINDAL INDIA THARMAL POWER LIMITED	
10	IEX Purchase	
11	SHORT TERM (including NEA, NTPC, NHPC etc)	Order dated 23.06.2023 in Case no. 12/2023
12	TIRUPATI SUGAR LIMITED	BERC order dated 24.06.2015 in Case No 36/2014
13	HARINAGAR SUGAR MILL	BERC order dated 29.06.2010 in case No. 5,5B,7/09
14	HASANPUR SUGAR MILL	
15	BHARAT SUGAR MILL	
16	HPCL BIOFUELS LIMITED, SUGAULI	
17	HPCL BIOFUELS LIMITED, LAURIYA	
18	NEW SWADESHI SUGAR MILL	
19	RIGA SUGAR COMPANY LIMITED	BERC order dated 06.03.2013 in Case No 39/2012
20	BIHAR DISTILLERS AND BOTTLERS PRIVATE LIMITED	BERC order dated 22.12.2017 in Case No 16/2017
21	SIDDHASHRAM RICE MILL CLUSTER PVT. LTD	BERC order dated 08.08.2013 in Case No 02/2013
22	GLATT SOLUTION PRIVATE LIMITED	APTEL order dated 27.01.2022 in Appeal No. 166 OF 2018
23	SECI (FOCAL)	
24	SECI (VIVID SOLAIRE ENERGY PVT. LTD.)	BERC order dated 06.12.2019 in Case No 50/2018
25	SECI (GREEN INFRA WIND ENERGY PVT. LTD.)	
26	SECI (Morjar Windfarms Pvt. Ltd.)	BERC order dated 04.08.2021 in Case No 15/2020
27	SECI (ORANGE SIRONJ WIND POWER PVT. LTD.)	BERC order dated 06.12.2019 in Case No 50/2018
28	PTC (OSTRO KUTCH WIND PRIVATE LIMITED)	BERC order dated 19.07.2018 in Case No 01/2018
29	PTC (GREEN INFRA RENEWABLE ENERGY LIMITED)	
30	PTC (MYTRAH VAYU SABARMATI PRIVATE LIMITED)	
31	SECI (ALFANAR ENERGY PVT. LTD.)	BERC order dated 06.12.2019 in Case No 50/2018
32	SECI (OSTRO KANNADA POWERPRIVATE LMITED)	BERC order dated 04.08.2021 in Case No 15/2020
33	SB ENERGY SIX PRIVATE LIMITED (NTPC)	BERC order dated 29.05.2020 in Case No 07/2020
34	RESPONCE RENEWABLE ENERGY PRIVATE LIMITED	APTEL order dated 27.01.2022 in Appeal No. 165 OF 2018
35	ALFA INFRA PROP PVT. LTD.	BERC order dated 06.01.2016 in Case No 29/2015
36	SECI (RENEW SUNWAVES PRIVATE LIMITED)	BERC order dated 04.08.2021 in Case No 16/2020
37	SECI (GRT Jewellers)	BERC order dated 18.02.2022 in Case No 26/2020
38	AVANTIKA CONTRACTOR (I) PVT. LTD.	BERC order dated 07.09.2016 in Case No 27/2016
39	WELSPUN I	BERC order dated 06.01.2016 in Case No 29/2015
40	WELSPUN II	
41	WELSPUN III	
42	UDIPTA ENERGY AND EQUIPMENT PRIVATE LIMITED	
43	SUNMARK ENERGY PROJECT LIMITED	APTEL order dated 27.01.2022 in Appeal No. 219 OF 2018
44	ACME (MAGADH)	BERC order dated 06.01.2016 in Case No 29/2015
45	ACME (NALANDA)	
46	AZURE POWER ERIS PVT. LTD.	
47	AVAADA ENERGY PRIVATE LTD	APTEL order dated 19.05.2022 in Appeal No. 187 of 2022

Particulars	BSPHCL Share	CoD	Status of PPA
NTPC NORTH KARANPUR UNIT #3	297.00	Mar-25	PPA signed on 22.08.2006. Unit has not yet been commissioned.
BUXAR TPP UNIT #1	561.00	Jan-25	PPA signed on 05.01.2011. Unit has not yet been commissioned.
BUXAR TPP UNIT #2	561.00	Jan-26	
ACME DEOGHAR/ACME DHAULPUR	150.00	Mar-25	PPA signed on 13.06.2019, Procurement approved by BERG on 29.05.2020 in case no 08/2020.Bihar is off taking the power from the part commissioning of the project w.e.f. 10.12.2024
SBE RENEWABLES SIXTEEN PVT LTD	180.00	Jan-25	PPA signed on 18.02.2022, Procurement approved by BERG on 28.04.2022 in case no 26/2020. Project has been commissioned but power has not yet been scheduled to Bihar due to delay in LTA operationalization
ADANI GREEN ENERGY	600.00	Mar-26	PPA signed on 20.05.2022, Procurement approved by BERG on 28.04.2022 in case no 21/2021.Project has not yet been commissioned.
GREENKO ENERGY HYBRID	210.00	Mar-25	PPA signed on 20.05.2022, Procurement approved by BERG on 28.04.2022 in case no 21/2021.Project has not yet been commissioned.
FLOATING SOLAR	10.00	Mar-25	PPA signed on 30.07.2024, Procurement approved by BERG on 04.04.2024 in case no 05/2024.Project has not yet been commissioned.
CANAL BANK SOLAR	2.00	Mar-25	PPA signed on 12.03.2024, Procurement approved by BERG on 25.01.2024 in case no 28/2023.Project has not yet been commissioned.
ACME SOLAR JAISELMER	500.00	Mar-25	PPA signed on 29.10.2024, Procurement approved by BERG on 23.10.2024 in case no 21/2024, Bihar is offtaking the power from the part commissioning of the project w.e.f. 10.12.2024

Furthermore, the power purchase cost mainly comprises of fixed charges and energy charges for two-part tariff stations i.e. NTPC, NHPC & PTC in case of Petitioner. The Petitioners have considered the actual fixed cost as prevailing in FY 2023-24 as per the bill admitted by the Petitioner and audited accounts for existing power stations. For the upcoming projects thermal Projects (NTPC North karanpur Unit III, Buxar

I and Buxar II) the Petitioner has considered fixed cost, and variable cost is considered equivalent to the NTPC North Karanpur I&II and NTPC Barh-I for the FY 2025-26, FY 2026-27 & FY 2027-28.

4. RPO target and achievement strategy

I. Table 15 on page no 39 of Business Plan proposal - The petitioner shall submit the details of Wind, Solar and Non-Solar Renewable capacity identified for meeting the RPO obligation during the Business Plan period FY 2025-26 to 2027-28.

Petitioner Response

In response to the above-mentioned query, the Petitioner would like to submit the details of Wind, Solar and Non-Solar Renewable capacity for meeting the RPO obligation during the Business Plan period FY 2025-26 to FY 2027-28 in following below table.

Particulars	Plants	Bihar Share (MW)	SBPDCL (MW)
Wind			
SECI (VIVID SOLAIRE ENERGY PVT. LTD.)	WIND	50.20	27.11
SECI (GREEN INFRA WIND ENERGY PVT. LTD.)	WIND	100.00	54.00
SECI (Morjar Windfarms Pvt. Ltd.)	WIND	50.00	27.00
SECI (GREENKO SIRONJ WIND POWER PVT. LTD.)	WIND	100.00	54.00
PTC (OSTRO KUTCH WIND PRIVATE LIMITED)	WIND	50.00	27.00
PTC (GREEN INFRA RENEWABLE ENERGY LIMITED)	WIND	50.00	27.00
PTC (MYTRAH VAYU SABARMATI PRIVATE LIMITED)	WIND	50.00	27.00
SECI (ALFANAR ENERGY PVT. LTD.)	WIND	50.00	27.00
SECI (OSTRO KANNADA POWERPRIVATE LIMITED)	WIND	300.00	162.00
Hydro			
NHPC (RANGIT)	HYDRO	23.02	12.43
NHPC (TEESTA)	HYDRO	107.01	57.78
PTC (TALA)	HYDRO	260.10	140.45
PTC (CHUKHA)	HYDRO	93.11	50.28
PTC (MANGDECHHU)	HYDRO	284.52	153.64
PTC(KURUCHU)	HYDRO	3.41	1.84
PTC (NEPAL)	HYDRO	209.00	112.86
EAST GANDAK H.E. PROJECT, VALMIKINAGAR	HYDRO	15.00	8.10
TRIVENI S.H. PROJECT, TRIVENI (VALMIKINAGAR)	HYDRO	3.00	1.62
SONE EASTERN H.E. PROJECT, BARUN	HYDRO	3.30	1.78
SONE WESTERN H.E. PROJECT, DEHRI-ON-SONE	HYDRO	6.60	3.56
SONE WESTERN H.E. PROJECT, KOSI	HYDRO	19.50	10.53
AGNOOR S.H. PROJECT, AGNOOR	HYDRO	1.00	0.54
DHELABAGH S.H. PROJECT, DHELABAGH	HYDRO	1.00	0.54
NASHRIGANJ S H. PROJECT, NASHRIGANJ	HYDRO	1.00	0.54
JAINAGRAH S.H. PROJECT, JAINAGRAH	HYDRO	1.00	0.54
SRIKHINDA S.H. PROJECT, SRIKHINDA	HYDRO	0.70	0.38
SEBARI S.H. PROJECT, SEBARI	HYDRO	1.00	0.54
ARWAL S.H. PROJECT, ARWAL	HYDRO	0.50	0.27
BELSAR S.H. PROJECT, BELSAR	HYDRO	1.00	0.54

Particulars	Plants	Bihar Share (MW)	SBPDCL (MW)
Biomass			
BIHAR DISTILLERS AND BOTTLERS PRIVATE LIMITED	BIOMASS		
SIDDHASHRAM RICE MILL CLUSTER PVT. LTD	BIOMASS		
Sugar			
TIRUPATI SUGAR LIMITED	SUGAR	0	0
HARINAGAR SUGAR MILL	SUGAR	0	0
HASANPUR SUGAR MILL	SUGAR	0	0
BHARAT SUGAR MILL	SUGAR	0	0
HPCL BIOFUELS LIMITED, SUGAULI	SUGAR	0	0
HPCL BIOFUELS LIMITED, LAURIYA	SUGAR	-	-
NEW SWADESHI SUGAR MILL	SUGAR	-	-
RIGA SUGAR COMPANY LIMITED	SUGAR	3.00	1.62
Solar			-
GLATT SOLUTION PRIVATE LIMITED	SOLAR	3.00	1.62
SECI (FOCAL)	SOLAR	10.00	5.40
SB ENERGY SIX PRIVATE LIMITED (NTPC)	SOLAR	300.00	162.00
RESPONCE RENEWABLE ENERGY PRIVATE LIMITED	SOLAR	10.00	5.40
SECI (RENEW SUNWAVES PRIVATE LIMITED)	SOLAR	300.00	162.00
SECI (GRT Jewelers)	SOLAR	150.00	81.00
AVANTIKA CONTRACTOR (I) PVT. LTD.	SOLAR	5.00	2.70
WELSPUN I	SOLAR	10.00	5.40
WELSPUN II	SOLAR	15.00	8.10
WELSPUN III	SOLAR	15.00	8.10
UDIPTA ENERGY AND EQUIPMENT PRIVATE LIMITED	SOLAR	5.00	2.70
SUNMARK ENERGY PROJECT LIMITED	SOLAR	10.00	5.40
ACME (MAGADH)	SOLAR	10.00	5.40
ACME (NALANDA)	SOLAR	15.00	8.10
AZURE POWER ERIS PVT. LTD.	SOLAR	10.00	5.40
AVADA POWER ERIS PVT LTD	SOLAR	50.00	27.00
ALFA INFRA PROP PVT. LTD.	SOLAR	10.00	5.40
ADANI SOLAR	SOLAR	150.00	81.00
Avada Clean	SOLAR	50.00	27.00
ACME DEOGHAR/ACME DHAULPUR	SOLAR	150.00	81.00
SBE RENEWABLES SIXTEEN PVT LTD	SOLAR	180.00	97.20
ADANI GREEN ENERGY	SOLAR	600.00	324.00
GREENKO ENERGY HYBRID	SOLAR	210.00	113.40
FLOATING SOLAR	SOLAR	10.00	5.40
CANAL BANK SOLAR	SOLAR	2.00	1.08
ACME SOLAR JAISELMER	SOLAR	500.00	270.00

4. RPO target and achievement strategy

II. Para 4.3.6, Page No 40: The Petitioner shall furnish details of PPAs with SECI & NTPC for purchase of renewable power (Solar and Non-Solar) to the tune of 1,652 MW which are expected to be in commercial operation by FY 2025-26.

Petitioner Response

In reply to the above-mentioned query, the Petitioner would like to submit the details of PPA for purchase of renewable power (Solar and Non-Solar) to the tune of 1,652 MW which are expected to be in commercial operation by FY 2025-26.

Table 1 Details of PPA for Purchase of Renewable power to be operational by FY 2025-26

Particulars	BSPHCL Share	CoD	Status of PPA
ACME DEOGHAR/ACME DHAULPUR	150.00	Mar-25	PPA signed on 13.06.2019, Procurement approved by BERC on 29.05.2020 in case no 08/2020.Bihar is off taking the power from the part commissioning of the project w.e.f. 12.10.2024
SBE RENEWABLES SIXTEEN PVT LTD	180.00	Jan-25	PPA signed on 18.02.2022, Procurement approved by BERC on 28.04.2022 in case no 26/2020. Project has been commissioned but power has not yet been scheduled to Bihar due to delay in LTA operationalization
ADANI GREEN ENERGY	600.00	Mar-26	PPA signed on 20.05.2022, Procurement approved by BERC on 28.04.2022 in case no 21/2021.Project has not yet been commissioned.
GREENKO ENERGY HYBRID	210.00	Mar-25	PPA signed on 20.05.2022, Procurement approved by BERC on 28.04.2022 in case no 21/2021.Project has not yet been commissioned.
FLOATING SOLAR	10.00	Mar-25	PPA signed on 30.07.2024, Procurement approved by BERC on 04.04.2024 in case no 05/2024.Project has not yet been commissioned.
CANAL BANK SOLAR	2.00	Mar-25	PPA signed on 12.03.2024, Procurement approved by BERC on 25.01.2024 in case no 28/2023.Project has not yet been commissioned.
ACME SOLAR JAISELMER	500.00	Mar-25	PPA signed on 29.10.2024, Procurement approved by BERC on 23.10.2024 in case no 21/2024, Bihar is off taking the power from the part commissioning of the project w.e.f. 10.12.2024

5. Capital Expenditure and Capitalization

I. The petitioner shall furnish the detail works to be carried out under Mukhya Mantri Krishi Vidyut Sambandh Yojana-II (MKVYS-II) scheme during the Business Plan period FY 2025-26 to FY 2027-28 for which total financial outlay of Rs 856.46 Cr has envisaged by the petitioner.

Petitioner Scheme

In response to above mentioned query, the Petitioner would like submit detail works of to be carried out under Mukhya Mantri Vidyut Sambandh Yojana-II during the Business Plan period FY 2025-26 to FY 2027-28.

Table 2 Details of work done along with projected cost for MKVYS-II Scheme

Component	Unit	Unit Cost (Rs. Lakh)	SBPDCL	Amount (in Rs. Crore)
Agriculture connection (A)	Nos.	0.03	189272	56.78

Component	Unit	Unit Cost (Rs. Lakh)	SBPDCL	Amount (in Rs. Crore)
Infrastructure (B)				
11 kV Line (Rabbit Conductor)	CKM	4.81	971	46.71
11 kV Line (Bisel conductor)	CKM	4.09	3,885	158.90
Distribution Transformer (25 kVA)	Nos.	2.59	10,927	283.01
Distribution Transformer (63 kVA)	Nos.	2.81	1,214	34.11
LT Line 8-meter PSC poll 2x16+1x25 SQ MM AB Cable	CKM	1.90	3,550	67.45
LT Line 8-meter PSC poll 2x25+1x25 SQ MM AB Cable	CKM	4.54	2,663	120.90
LT Line 8-meter PSC poll 3x16+1x25 SQ MM AB Cable	CKM	2.39	2,663	63.65
Total (B)				774.72
Total (A+B)				831.50
Contingency & PMA Charge				24.95
Total Fund required				856.45

Table 3 Capital Expenditure and Capitalization scheme for MKVYS-II Scheme

Particulars	Capex (Rs. Crore)	Capitalization (Rs. Crore)
FY 2024-25	135.00	0.00
FY 2025-26	360.73	351.44
FY 2026-27	360.73	360.73
FY 2027-28	-	144.29
Total	856.46	856.46

5.Capital Expenditure and Capitalization

II. Under new works on Page 50 the petitioner has proposed Construction of new 62 . number of 33 KV lines, again para 5.6 on Page no 49, the Petitioner has proposed . construction of new 58 number of 33 KV lines. The petitioner shall clarify the necessity of projecting two similar schemes with same objective differently.

Petitioner Reply

In reply to the abovementioned query the Petitioner would like to submit that there is typo error in sub heading of Para 5.6 and 58 should be read as 59 number of 33 kV lines. Furthermore, the 59 number of new 33 kV lines and 62 number of 33 kV lines are both separate schemes. The 59 no. of 33 kV lines are approved in existing State plan scheme and work is under progress whereas for 62 no. of new 33 kV line approval is under progress and details of the location and cost is provided in the Business Plan. The 59 number of 33 kV line have capital

expenditure of INR 172.61 Cr whereas 62 number of 33 kV lines are a separate scheme with a capital expenditure of INR 230.62 Cr. The year wise Capital expenditure and capitalization of both the scheme is given below.

Table 4 CAPEX and Capitalization for 59 no. of 33 kV lines

Particulars	Capex (INR Crore)	Capitalization (INR Crore)
FY 2024-25	139.68	83.81
FY 2025-26	20.45	62.55
FY 2026-27	12.48	20.66
FY 2027-28		5.59
Total	172.61	172.61

Table 5 CAPEX and Capitalization for 62 no. of 33 kV lines

Particulars	Capex (INR Crore)	Capitalization (INR Crore)
FY 2024-25	18.72	18.72
FY 2025-26	211.90	127.14
FY 2026-27		84.76
FY 2027-28		
Total	230.62	230.62

5.Capital Expenditure and Capitalization

III. Table 34, Page 59 —The petitioner shall furnish a brief write up on the scheme Proposal prepared to overcome the constraint in distribution networks providing necessity, objective for taking up the work along with techno-commercial study carried out if any

Petitioner Response

In reply to the abovementioned query, the Petitioner would like to submit the details of Proposal prepared to overcome the constraint in distribution networks as follows

Under this Scheme the Petitioner has proposed construction of 33 kV lines to evacuate power from newly constructed GSS and to overcome constraints in the distribution network to ensure uninterrupted 24x7 quality power supply to consumers. Proposal has been prepared for construction of New 33 kV lines at different locations of the Discom to evacuate the power from newly constructed GSS. It will also reduce the overload of existing Line and in order to maintain the reliable power, ring mains system of 33 kV line and 24x7 quality power supply.

57 no. of PTR has been proposed for augmentation of capacity of PTR 5 MVA to10 MVA under SBPDCL in PSS of different circle. These PTR were suffering from overload in summer and rainy season due to agriculture load. 23 no. of additional PTR has been also proposed where electrical loads are enhancing every year. These PTR will overcome the constraint in the distribution network in different location of SBPDCL. It will also ensure to maintain unimplemented 24X7 power supply to all related consumers under SBPDCL. The Proposed Capex details is as follows

Sr no.	Particulars	Qty	Unit	Rate	Total Amount (in Lacs)
1	33KV NEW Line Wolf Conductor on rail Pole	1200.03	CKM	24.20	29040.726
2	33KV XLPE 400 Sqmm. UG Cable for Existing Railway crossing	175.405	CKM	50.00	8770.25
3	33KV Bay	69	Nos.	27.03	1865.07
4	11KV Line (on Rail/Joist Pole)	251.25	CKM	16.73	4203.41
5	11KV Line (on 9mtr. PSC Pole)	641.75	CKM	7.78	4992.81
6	11KV XLPE 300 Sqmm. UG Cable	78.694	CKM	33.79	2659.07
7	11KV Bay	44	Nos.	12.79	562.76
Total Amount in Lacs					₹ 52,094.10
Total Amount in Cr.					₹ 520.94

Sr. no.	Particulars	Qty	Unit	Rate	Total Amount (in Lacs)
1	33KV Reconductoring Line with Wolf Conductor on rail Pole	1128.75	CKM	11.87	13398.26
2	R&M of 11KV Line	7816.1	CKM	5.64	44082.80
Total Amount in Lacs					57481.06
Total Amount in Cr. [B]					574.8106

Sr. no.	Particulars	Qty	Unit	Rate	Total Amount (in Lacs)
1	5MVA PTR	43	Nos.	75.00	3225
2	10MVA PTR	127	Nos.	127.29	16165.83
Total Amount in Lacs					19390.83
Total Amount in Cr. [C]					193.91

5.Capital Expenditure and Capitalization

IV. It has been observed that the petitioner has not proposed any trajectories for the variables (O&M expenses norms, supply availability, wires availability etc) for the Business Plan period. The petitioner should propose the trajectories for the performance parameters commensurate with the investment proposed during the Business Plan proposal for approval of the Commission.

Petitioner Response

In reply to the above-mentioned query, the Petitioner would like to submit that the Business Plan is Prepared in line with Regulation 5 of Bihar Electricity Regulatory commission (Multi Year Distribution Tariff) Regulations 2024. The relevant extract of the same is reproduced below for the reference:

“5. Business Plan

5.1 The Distribution Licensee shall file a Business Plan for the Control Period i. e. FY 2025-26 to FY 2027-28, by way of a separate petition along with the tariff petition for the first year of the Control Period i.e. 2025-26 for approval of the commission. The petition for approval of Business Plan shall be filed in accordance with BERC (Conduct of Business) Regulations, 2005 as amended from time to time, accompanied by such fee payable, as specified in the BERC (Fees, Fines and Charges) Regulations, 2019 as amended from time to time.

5.2 Such Business Plan shall comprise but not limited to detailed category /sub- category-wise sales and demand projections, power procurement plan, capital Investment plan, financing plan and physical targets.

Provided that in case the Commission issues guidelines and formats, from time to time, the same shall be adhered to by the Distribution Licensee.

5.3 The Distribution Licensee shall make assessment of infrastructure requirement and prepare capital investment plan in accordance with BERC (Procedure for Filing Capital Investment and Capitalization Plan) Regulations, 2018 that wills pill into the year(s)under review and new projects that will commence and may be completed within or beyond the tariff period. It is the duty of the Distribution Licensee to ensure optimization of investments to enhance efficiency, productivity and meet performance standards prescribed by the Commission.

5.4 The Commission shall approve the capital investment plan in accordance with BERC (Procedure for Filing Capital Investment and Capitalization Plan) Regulations, 2018, as amended from time to time.

5.5 The Commission may also undertake a detailed review of the actual works compared with the works approved in the previous Tariff Order while approving the capital expenditure for the ensuing year.

5.6 The Distribution Licensee shall normally get prior approval of every capital investment, in case the capital expenditure is required for emergency work arisen due to unforeseen circumstances, the Licensee may take up the work upto Rs. 5 Crore prior to receiving the approval from the Commission provided the emergent nature of the scheme has been certified by its Board of Directors or by the Authority delegated by the Board of Directors.

5.7 The Licensee shall submit an application showing detailed justification along with supporting documents for emergent nature of expenses within 15 days of occurrence of cause for such investment, seeking post facto approval by the Commission.

5.8 The Distribution Licensees shall access and project the power purchase requirement in accordance with Bihar Electricity Regulatory Commission (Power Purchase and Procurement Process of Licensee) Regulations, 2018.

Furthermore, the Petitioner would like to submit that the projection for variables (O&M expenses norms, supply availability, wires availability etc.) for the FY 2025-26 to FY 2027-28 are submitted in MYT Petition for FY 2025-27 and FY 2027-28 for the Hon'ble commission approvals.

Letter No. 972

True-up for FY 2023-24

1. AT&C Loss

Page No. 31, Table 10 of the Petition-

- i. The petitioner shall provide bifurcation of sales in terms of inter-state sale / Energy Traded / UI at Sr. No. B1 of the table

Petitioner’s Response:

The Petitioner hereby submits the required bifurcation of sales in terms of inter-state sale / Energy Traded / UI for FY 2023-24 as provided below:

Parameter	Sales (MU)
SLDC Deviation Charges	238.75
Sale of Power to IEX through PMC	941.30
Sale of Power to PTC	2064.36
Total Energy Traded / Inter State Sales	3,244.42

It is worthwhile to mention that the same is in line with note 51 of the Audited Annual Accounts 2023-24.

- ii. The petitioner shall revise AT&C loss computation table in line with the AT&C loss calculation Illustrative provided in Regulations 18.5 of BERC MYT (Dist) Regulations 2021 by including information on following:

- Revenue actually realized from sale of power without subsidy
- Tariff Subsidy actually received
- Tariff Subsidy booked

Petitioner’s Response:

The Petitioner hereby submits that aforesaid AT&C loss computation table in the tariff petition is based on the audited annual accounts for FY 2023-24 which complied in all material aspects with the Indian Accounting Standards (Ind AS) notified under the Companies (Indian Accounting Standards) Rules, 2015 and subsequent amendments thereto, the Companies Act, 1956 (to the extent notified and applicable), applicable provisions of the Companies Act, 2013, and the provisions of the Electricity Act, 2003 to the extent applicable.

Further, AT&C calculation table including the aforesaid three required information is provided in row E3, E4 and E5 in table below:

S. No.	Parameter (FY 2023-24)	Unit	SBPDCL	Remarks
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A	Gross input energy	MU	26,258.58	
B1	Inter-State sale / energy traded / UI	MU	3,244.42	
B2	Transmission losses	MU	1,577.22	
C	Net input energy	MU	21,436.94	
D	Energy sold	MU	17,577.79	
E1	Revenue from sale of energy on tariff subsidy billed basis	Rs. Crore	15,940.29	
E2	Revenue from sale of energy on tariff subsidy received basis	Rs. Crore	15,559.94	
E3	Subsidy booked	Rs. Crore	7,393.35	
E4	Subsidy actually received	Rs. Crore	7,013.00	
				15,559.94 - 7,013.00 =
E5	Revenue actually realized from sale of power without subsidy	Rs. Crore	8,546.94	8,546.94
F	Opening trade receivable	Rs. Crore	9,525.81	
G	Closing trade receivable	Rs. Crore	9,958.14	
H	Adjusted closing trade receivable for sale of energy	Rs. Crore	9,958.14	
I	Collection efficiency	%	94.90%	
J	Billing efficiency	%	82.00%	
K	Units realized	MU	16681.63	
L	Units un-realized	MU	4,755.31	
M	AT&C Losses	%	22.18%	

- iii. It has been noticed that at page 78 of annual account, revenue grant receipt shown as zero (Nil). The Petitioner shall clarify the entry of the subsidy received on account of consumer tariff and AT&C loss subsidy for FY 2023-24 in the audited annual accounts.

Petitioner's Response:

The Petitioner hereby submits that in the latest tariff order for FY 2024-25 dated 01.03.2024, the Hon'ble Commission has approved distribution loss of 19.91% and AT&C loss of 25.00% for SBPDCL for FY 2023-24 which is in line with the loss trajectory approved by Ministry of Power, Govt. of India under RDSS scheme. The Hon'ble commission may appreciate that SBPDCL has achieved the distribution loss of 18.00% and AT&C loss of 22.18% for FY 2023-24 (as per the audited annual accounts). Therefore, the petitioner has not claimed and received AT&C loss subsidy from the GoB for FY 2023-24 which is represented as Zero (Nil) under the head of 'AT&C loss subsidy received from Govt. of Bihar' in Note no. 46 (g) at page 57 of the audited annual accounts for FY 2023-24.

Further, it is to submit that consumer subsidy of Rs.7013.00 Crore received for FY 2023-24 is represented in Note no. 46 (g) page 57 of the audited annual accounts for FY 2023-24.

Transmission Losses

I. The petitioner shall provide Inter-State Transmission loss calculations for each month of True Up Year FY 2023-24 in the following format taking reference to Regional Energy Account (REA)

II. The petitioner shall provide Intra-State Transmission loss calculations for each month of True Up Year FY 2023-24 in the following format.

Petitioner Response

In reply to the abovementioned query, the Petitioner would like to submit the Inter State Transmission Loss Calculation for each month of True up for FY 2023-24 as follows. The detail is provided in Annexure No. 2 (I) (True Up).

		Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Total Scheduled Energy for Bihar DISCOM at Regional Periphery	MU	3115.57	3477.45	3867.61	4192.93	4206.33	4082.36	3258.44	2388.17	2457.17	2727.18	2254.60	2623.00
Total Scheduled Energy for Bihar DISCOMs at State Periphery	MU	3085.45	3451.53	3801.16	4079.58	4088.01	3988.69	3229.74	2402.09	2399.02	2702.14	2254.28	2587.34

		Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Total scheduled Energy for Bihar DISCOMs at State periphery (Including NB + SB + Railway + STOA)	MU	3085.45	3451.53	3801.16	4079.58	4088.01	3988.69	3229.74	2402.09	2399.02	2702.14	2254.28	2587.34
Total scheduled Energy for Bihar DISCOMs at State periphery (Excluding Railway +STOA)	MU	3000.408	3388.723	3738.668	4014.994	4035.76	3909.259	3164.08	2335.234	2333.726	2645.083	2184.764	2505.724
UI Overdraw	MU	-34.46	-45.35	-26.65	-8.25	1.93	7.23	-16.34	-37.21	14.11	-12.32	-22.36	6.51
Actual energy Available at State Periphery	MU	2965.948	3343.368	3712.015	4006.741	4037.687	3916.493	3147.744	2298.026	2347.838	2632.767	2162.4	2512.231
Energy Injected by State generating units and IPP at STU level (excluding	MU	322.2876	310.5656	284.9425	276.5156	163.5411	117.9499	279.7162	258.236	188.2241	318.5372	325.5342	288.9506

		Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
energy injected at DISCOM)													
Total Energy available at State Periphery	MU	3288.236	3653.933	3996.958	4283.257	4201.228	4034.443	3427.46	2556.262	2536.062	2951.304	2487.935	2801.182
Total energy Available at DISCOM Periphery (SBPDCL)	MU	1696.00	1908.409	2039.518	2234.448	2248.378	2147.507	1867.049	1405.867	1399.051	1613.234	1332.772	1512.527

3. Energy Balance

Table 15, Page No 39 — The petitioner under Energy Balance Table State Transmission loss 3.19 % for FY 2023-24. The BSPTCL in its petition has claimed BSPTCL Transmission loss — 2.58% for FY 2023-24. The Petitioner shall provide detail calculations in support of state transmission loss.

Petitioner Submission

In reply to above mention query the Petitioner would like to submit that the Audited State Transmission Loss is 706.91 MU whereas power required at State Periphery is 22,143 MU and accordingly the State Transmission loss in Energy Balance calculated as 3.19%. The detail calculation for the state transmission loss in provided in the **Annexure No. 3 (True UP)**.

4. Power Purchase

RPO obligation and compliance

I. Table 11, Page 35 - The petitioner shall reconcile the item at Sr No 11, 14 and 15 mentioned in Table 11 of the petition with corresponding RE power plant shown in table 14 on page number 37 of the petition

Petitioner Response

In reply to the abovementioned query the Petitioner would like to submit that the required data is provided in the **Annexure No. 4 (I) (True Up)**. It is observed that the share of power purchase from Hydro is claimed by the Petitioner is lower than the audited account. The Petitioner hereby submits the updated RPO table and request the Commission to consider the same in place Table 11.

Si. no	Particulars	Units	SBPDCL
1	Energy Sale (excluding inter-state sales)	MU	17577.8
2	RPO Targets (%)	%	27.1%
3	Wind RPO (%)	%	1.6%
4	HPO (%)	%	0.7%
5	Other RPO (%)	%	24.8%
6	RPO Targets (MU)	MU	4758.31
7	Wind RPO	MU	281.2448
8	HPO RPO	MU	116.0135
9	Other RPO	MU	4361.052
10	Renewable Power Purchased		
11	Wind RE purchased from the plants commissioned till 31-03-2022	MU	948.73
12	a)93% of 11		882.3189
13	b)7% of 11		66.4111
14	Wind RE purchased from the plants commissioned after 31-03-2022	MU	178.7
15	Other RE Power (16+17+18+19+20+21+22)		2716.684
16	a) Solar		1115.37
17	b) Sugar Mill & Biomass		74.78
18	c)BSHPC		20.66
19	d) Hydro		1177.13

Si. no	Particulars	Units	SBPDCL
20	e) Green Power from Exchange		13.616
21	f) Captive Consumption Solar	MU	204.558
22	g) Net Meter /Solar Generation from Consumers		176.97
	h) GCRT/solar Data from BREDA		27.588
23	i) Captive Consumption Non-Solar BERDA	MU	110.57
23	RPO Compliance		
24	HPO RPO Compliance (from 12 above)	MU	116.0135
25	Left over Wind RE purchased from the 93% of plants commissioned till 31-03-2022 after adjusting HPO targets (12-24)	MU	766.3054
27	Wind RPO Compliance (25+14)	MU	945.0054
29	Other RPO Compliance: (13+15)	MU	2783.095
30	RPO Shortfall (MU)	MU	
31	Wind RPO shortfall/ (surplus) (7-27)	MU	- 663.7606
32	HPO shortfall/ (surplus) (8-24)	MU	
33	Other RPO shortfall/ (surplus) (9-29)	MU	1577.957
34	REC Purchase*	MU	1658.952
36	RPO Shortfall considering REC (MU)	MU	
37	Wind RPO shortfall/ (surplus) (31)	MU	- 663.7606
38	HPO shortfall/ (surplus) (32)	MU	
39	Other RPO shortfall/ (surplus) (33-34)	MU	- 80.99492
40	RPO Target Achieved considering REC (%)**	MU	
41	Wind RPO	%	336%
42	HPO	%	100%
43	Other RPO	%	102%

Accordingly, Table 13 is updated, and Petitioner is requesting the Commission to consider the same in the Petition. The Petitioner has overachieved its RPO obligation.

Particulars	Shortfall (MU)*
FY 2022-23	826.19
FY 2023-24	1,577.96
Total RPO Shortfall (MU)	2,404.15
Equivalent number of REC to be purchased (1 REC = 1000 Kwh)	2,404,147.08
Total no. of REC Purchased in FY 2024-25	2,470,322.00
Excess REC purchase in FY 2023-24 after fulfilling the requirement of FY 2019-20, 2020-21, 2021-22.	14,820.00
Total REC	2,485,142.00
Shortfall in MU for FY 2023-24 considering 100% achievement for FY 2022-23	(80.99)
Shortfall/ (Surplus) in target for FY 2023-24 considering 100% achievement for FY	1,658.95

Particulars	Shortfall (MU)*
2022-23	

II. REC purchase equivalent to 1658.96 MU for meeting the Other RPO shortfall as indicated at Sr No 34 on Table no 13 it is not matching with the details provided in Table 13 of page 37 for FY 2023-24.

Petitioner Response

In reply to the above-mentioned query the Petitioner would like to submit that the query in already addressed in Query no. 4 (i).

3. Power Purchase

RPO obligation and compliance

III. The petitioner shall furnish following information pertaining to the RE Power projects from where power is procured during True up Year FY 2023-24petitioner shall furnish following information pertaining to the RE Power projects from which power is procured during True up Year FY 2023-24.

Petitioner Response

In reply to above mention query, the Petitioner would like to submit the details of Renewable Energy projects and BERC Approval order along with date is provided in response to query no.3 of BERC letter no. 973 dated 05.12.2024.

Actual Power Purchased in FY 2023-24 Page No 42, Table 16 of the Petition

II. The petitioner shall clarify reasons for power purchase through IEX at higher cost — Rs 8.42/kWh. Please refer row V (I).

V. The Petitioner shall provide justification of short-term purchase from NEA, NTPC, etc as indicated in V (2) of table 16 and also provide document related to approval of Commission

Petitioner Response

In response to above mention query the Petitioner would like to submit that the Purchase from Power exchange(s) have been done strictly following extant regulation such as (BERC Power Purchase and Procurement Process of Licensee Regulation) to fulfill the demand of consumer on competitively discovered prices. Pertaining to various factors such as Delay in commissioning of the upcoming plants, Reduced availability from contracted/allocated generations etc. have compelled DISCOMs for dependency over Power Exchange(s). Details are as follows,

i. Reduced Availability/Forced Outage from Contracted/Allocated generations:

It is pertinent to note that the contracted/allocated generations of Bihar DISCOMs have furnished reduced availability even more than 2000 MW on many instances resulting in power deficit scenario compelling Bihar DISCOMs to procure power from power exchange(s) to mitigate the power deficit scenario. Details of the day wise Reduction in availability from contracted/allocated generation for FY 2023-24 is annexed herewith.

ii. Delay in Commissioning of the Upcoming Generations:

The delay in commissioning or non-commissioning of the following plants further caused deficit particularly in Peak hours of the Peak Demand Months as well as in festive seasons: -

Name of the Unit	Source Type	Affected Quantum
Buxar TPP Unit #I	Thermal	561
Buxar TPP Unit #II	Thermal	561
Barh I Unit #3	Thermal	396
North karanpur Unit 2	Thermal	297
ACME dhaulppur	Solar	150
SBE_SECI V	Solar	180
SBE-SECI V	Solar	150
Greenko _Hybrid	Solar +PSP	210

Due to such prolonged delay in commissioning of the upcoming generations, Bihar DISCOMs were left with no other option than to procure power from the Power Exchange(s) for mitigating the resulted power deficit scenario.

iii. Request to Ministry of Power for allocation of Power:

In order to reduce dependency for power over Power Exchange(s), Bihar had requested Ministry of Power, Govt. of India to allocate 300- 500 MW power to meet the deficit during peak hours (19:00 hrs to 24:00 hrs) for the months of May'2023 to July'2023. In response to the requested, Ministry of Power vide letter dated 01.05.2023 allocated 150 MW power to Bihar from Unallocated Quota of various regions on RTC basis for the period of 01.05.2023 to 31.07.2023 in following manner:

Unallocated Power Pool Region	Allowed Capacity (MW)	Period
Northern region Pool	30	From 01.05.2023 to 31.07.2023
Western region Pool	30	From 01.05.2023 to 31.07.2023
Northern region Pool	90	From 01.05.2023 to 31.05.2023
Southern region Pool	90	From 01.06.2023 to 31.07.2023
Total	150	

The above detailed allocation of 150 MW from central pool was approved by Hon'ble BERC vide order dated 23-06-2023 in case no. 12/2023. Request of Bihar was for allocation during the evening peak hours and the allocation was provided for Round the Clock. Moreover, the tariff of the allocated power was also on the higher side even up to Rs. 35.813/kWh. Thus, Bihar vide its letter no. 1912 dated 11.05.2023 requested Ministry of Power, Govt. of India to alter the hours of power allocation to peak hours (19:00 Hrs to 24:00 Hrs) only, rather than RTC power for the allocation period (i.e 01.05.2023 to 31.07.2023). However, no response from Ministry of Power, Govt. of India was received in this regard. Therefore, Energy Department, Govt. of Bihar vide letter no. 2040 dated 19.05.2023 requested Ministry of Power, Govt. of India to de-allocate the entire share of 150 MW allocated to Bihar from Unallocated Quota of various regions as the above said allocation of power on RTC basis was proving to be quite costly for Bihar Discoms.

Thus, the requested allocation from the central pool also couldn't get materialized resulting in participation of Bihar DISCOMs overpower Exchange(s) for mitigating the power deficit scenario.

In reply to query on short-term purchase from NEA, NTPC, etc. the Petitioner has received approval from the Hon'ble Commission vide Order dated 23rd June 2023 in case no. 12 of 2023.

Actual Power Purchased in FY 2023-24 Page No 42, Table 16 of the Petition

III. The petitioner shall provide details pertaining to UI DSM cost in terms of monthly charges and component of DSM. Kindly refer row V (3).

Petitioner Response

In Reply to the abovementioned query, the Petitioner would like to submit that the details pertaining to UI DSM cost in terms of the monthly charges and component of DSM is provided in **Annexure No. 4 (III)**.

Actual Power Purchased in FY 2023-24 Page No 42, Table 16 of the Petition

III. The petitioner shall provide details pertaining to Prior Period Adjustment (Medium term) & Prior Period Adjustment (IEX) as mentioned in row V(6) & V(7) respectively

Petitioner Response

In Reply to the abovementioned query, the Petitioner would like to submit that the details of Prior Period Adjustment (IEX) as mentioned in row V(6) & V(7) is provided below.

Particulars	Amount (in Rs.)
GMR	1,54,43,40,995.00
Jindal Thermal	5761412.00
IEX	17099044.00

Actual Power Purchased in FY 2023-24 Page No 42, Table 16 of the Petition

IV. The petitioner shall provide justification of NHPC short term, NTPC short term & short term power purchase as indicated under Sr No V of table 16 in Page 45.

Petitioner Response

In Reply to the abovementioned query, the Petitioner would like to submit that the details of NHPC Short term and & Short term power purchase is provided in Annexure No. **Annexure No. 4 (III)**

Actual Power Purchased in FY 2023-24 Page No 42, Table 16 of the Petition

V. The petitioner shall provide monthly reconciliation of energy purchase and associated charges paid to generators in following table for each month of true up year FY 2023-24.

Petitioner Response

In Reply to the abovementioned query, the Petitioner would like to submit that the query is already addressed in the reply of Actual Power Purchased in FY 2023-24 Page No 42, Table 16 of the Petition (I) in Page No. 23

5. Capex Capitalization & Funding

It has been noted that the value of Capitalization in the petition is mentioned as Rs 961.96 cr (Table 111, Sr. No 3) and Rs 961.95 cr (Table 111, Sr. No 16). The petitioner shall remove the discrepancy and report the correct figures.

Petitioner Response

In Reply to the abovementioned query, the Petitioner would like to submit that the difference is due rounding of error and it is requested to the Hon'ble Commission to consider capitalization value equal to INR 961.96 Cr

5. Capex Capitalization & Funding

II. The petitioner shall provide source of funding for each scheme in terms of grant, equity and loan

In Reply to the abovementioned query, the Petitioner would like to submit that the required information is provided in the **Annexure No. 5 (II) (True Up)**. The same information is already provided in Tariff Formats Working worksheet.

6. Depreciation

The petitioner shall provide detailed calculations for arriving at weightage Average rate of depreciation for FY 2023-24.

Petitioner's Response:

The Petitioner in table 13 Page no. 53 of the tariff petition filed dated 15th November has specified the Depreciation for FY 2023-24 wherein the weightage Average rate of depreciation on GFA and weightage Average rate of depreciation (on grant) is derived, the same is provided in the table below:

Sr. No	Particulars		FY 2023-24 (Actual)
1	Gross fixed assets of the beginning of the year (exc. Land)	A	16,012.39
2	Additions during the year	B	961.96
3	IDC	C	-
4	Adjustment for assets sold/ discarded etc	D	0.75
5	Closing GFA	E = A+B+C-D	16,973.60
6	Average GFA	F=Average (A, E)	16,492.99
7	Weighted Average Rate of Depreciation	G=H/F	4.88%
8	Depreciation for the year	H	804.67
9	Opening grants (exc. Land)	I	7,153.42
10	Grants during the year	J	131.42
11	Adjustment for assets sold/discarded etc	K	-
12	Total Grants	L=I+J-K	7,284.85
13	Average Grants	M= Average (I, L)	7,219.14
14	Weighted Average rate of Depreciation (for Grants)	N=O/M	6.15%

15	Depreciation for GFA on Grants	0	444.28
16	Net Depreciation of GFA on loans (8-15)	P=H-O	360.40

7. Interest on Loan

In para 3.18.2, Page 66 the petitioner has reported weighted average rate of interest as 9.54%, however the data used in Table 27 for calculating the weightage average rate of interest is giving different Interest Rate (8.93%). The petitioner shall verify and correct the same.

Petitioner’s Response:

The Petitioner hereby submits that the weighted average rate of interest on loan is considered as 9.54% for FY 2023-24. The detailed calculation of the same is provided in the table below:

Sr. No	Particulars	Purpose of loan	Opening balance	Rate of Interest	Addition during the year	Repayment during the year	Closing balance	Amount of interest paid	Average Loan	Average Interest Amount	Average Interest Rate
				A					B	C = A*B	D= C/B
1	REC (RGGVY) Term Loan	Project	119.24	11.00%	-	15.64	103.60	11.78	111.42	12.26	
2	REC (R-APDRP) Term Loan	Project	288.65	10.40%	-	34.93	253.72	26.76	271.19	28.20	
3	PFC (R-APDRP) Term Loan	Project	123.20	9.00%	-	9.96	113.24	27.18	118.22	10.64	
4	REC (IPDS) Term Loan	Project	336.45	10.19%	-	-	336.45	29.89	336.45	34.28	
5	REC (DDUGJY) Term Loan	Project	745.29	10.19%	-	-	745.29	70.06	745.29	75.94	
6	REC (Smart Meter) Term Loan	Project	-	8.75%	131.40	-	131.40	0.87	65.70	5.75	
7	State Govt.-Non-Plan Loan	Project Support	143.20	13.00%	27.50	-	170.70	20.14	156.95	20.40	
8	BSPHCL (ADB) Loan	Project	6.28	13.00%	-	-	6.28	0.82	6.28	0.82	
9	Working Capital Loan (BREDA)	Working Capital	6.00	8.50%	-	6.00	-	0.46	3.00	0.26	
10	Canara Bank-VSL	Working Capital	300.00	6.75%	-	-	300.00	20.04	300.00	20.25	

Sr. No	Particulars	Purpose of loan	Opening balance	Rate of Interest	Addition during the year	Repayment during the year	Closing balance	Amount of interest paid	Average Loan	Average Interest Amount	Average Interest Rate
11	Bank O/D under consortium arrangement (Lead Bank- PNB)	Working Capital	1,969.11	8.70 %	7,202.17	6,415.01	2,756.27	175.70	2,362.69	205.55	
12	REC Short Term Loan-RBPF	Working Capital	1,000.00	10.00 %	250.00	1,000.00	250.00	52.01	625.00	62.50	
13	REC- SLTTL	Working Capital	1,118.21	10.00 %	-	79.87	1,038.34	106.35	1,078.28	107.83	
14	PFC- SLTTL	Working Capital	1,116.92	10.00 %	-	56.74	1,060.18	107.44	1,088.55	108.86	
	Total		7,272.55		7,611.07	7,618.15	7,265.47	649.50	7,269.01	693.54	9.54 %

8. Return on Equity

Equity addition during the year given in Table 25 on Page no 66 of the petition is not matching with the data given in Table 111 on Page 51 of the petition. The petitioner shall verify and reconcile the same.

Petitioner's Response:

The Petitioner hereby submits that equity addition during FY 2023-24 as given in table 25 on page 66 is Rs.249.16 Crore whose computation is derived from Format-14 and is provided in table below:

Total GFA addition during FY 2023-24	A	961.96
GFA addition by grants	B	131.42
GFA addition by equity	$C=(A-B)*30\%$	249.16

Further, the data specified in table 111 on page no. 51 of the tariff petition is in accordance with Format-17 of the tariff petition which is provided in table below:

Sr. No	Particulars	FY 2023-24			Total
		Loan	Grant	Equity	
1	Opening CWIP	110.86	173.40	1,433.30	1,717.56
2	New Investment	58.61	44.19	1,319.01	1,421.81

3	Less Capitalization	60.30	58.16	843.50	961.96
a	CWIP Capitalization	48.24	46.52	674.80	769.56
b	New Investment capitalization	12.06	11.63	168.70	192.39
4	Closing CWIP (1+2-3)*	109.17	159.44	1,908.81	2,177.41

It is to be noted that capitalization of Rs.961.96 Crore in the aforesaid table is the same as the total GFA addition during FY 2023-24. Subsequently, subtracting the capitalization contributed by grant (58.16 Crore) from the total capitalization and considering 30% of that provides the figure of equity addition during FY 2023-24.

9. **A&G Cost**

In table no nil on page 61 of the petition, the petitioner has claimed Rent charges for smart prepaid meter in Phase I to phase III amounting to Rs 94.49 Cr. The petitioner shall provide details of Commission's approval for the meter rent charges. The copy of work order issued to vendor for Phase II & III may be furnished.

Petitioner's Response:

The Petitioner hereby submits that Phase-II and Phase-III smart metering plan is structured as a combination of 70% OPEX and 30% CAPEX mode. It is hereby submitted that the business plan comprising of CAPEX portion of Phase-II and Phase-III smart metering plan has been approved by the Hon'ble Commission in the previous year tariff order.

The Petitioner hereby submits that the copy of work order issued to vendor for Phase II & III is enclosed as **Annexure-9a, 9b, 9c, 9d and 9e.**

10. **Revenue from sale of power at approved tariff for FY 2023-24**

Table 35 on Page no 73 — Category wise Revenue from sale of electricity at approved tariff for FY 2023-24 not matches with the corresponding values given in Note 25 of the Audited Accounts for Kutir Jyoti , DS II , NDS I, NDS II , Streetlight Services, IAS I', HT industrial services category of consumers . The petitioner shall verify and submit the correct information.

Petitioner's Response:

The Petitioner hereby submits the revised table 35 containing data of category wise Revenue from sale of electricity at approved tariff for FY 2023-24 in accordance with the Audited Accounts for FY 2023-24 as provided below:

Sr. No	Category of Consumers	FY 2023-24		
		Sales (MUs)	Total (Rs Crores)	ABR (Rs/kWh)

Sr. No	Category of Consumers	FY 2023-24		
		Sales (MUs)	Total (Rs Crores)	ABR (Rs/kWh)
1	Domestic	7,815.86	6,721.67	8.6
A	Kutir Jyoti	1,501.51	1,201.83	8
i	Unmetered (Now Metered)	-	-	-
ii	Metered 0-50	1,501.51	-	-
B	DS I Rural	3,216.29	2,629.59	8.18
i	Unmetered (Now Metered)	-	-	-
ii	Metered (Now Demand Based)	3,216.29	2,629.59	8.18
a	First 50 Units	1,260.97	1,030.95	8.18
b	51-100 Units	1,955.32	1,598.64	8.18
c	Above 100 Units	-	-	-
C	DS II Demand Based	3,097.82	2,889.99	9.33
i	First 100 Units	1,367.13	1,274.93	9.33
ii	101-200 Units	1,730.69	1,613.97	9.33
iii	Above 200 Units	-	-	-
D	DS III	0.24	0.25	9.09
2	Non_Domestic Service	1,631.93	1,760.32	10.79
A	NDS I - Metered Now Demand Based	408.08	358.03	8.77
i	First 100 Units	142.5	125.01	8.77
ii	101-200 Units	265.57	232.99	8.77
iii	Above 200 Units	-	-	-
B	NDS II - Demand Based	1,223.85	1,401.37	11.45
i	Contract Demand <0.5 kW	5.66	6.84	12.09
ii	Contract Demand >0.5 kW	1,218.20	1,394.53	11.45
a	First 100 Units	253.49	290.18	11.45
b	101-200 Units	964.71	1,104.35	11.45
c	Above 200 Units	-	-	-
				-
3	Street Light Services	266.09	237.09	8.91
A	SS Metered	67.34	59.82	8.88
B	SS Unmetered	198.75	177.26	8.92
				-
4	Irrigation & Allied Services	4,000.34	2,825.08	7.06
A	IAS I	3,649.92	2,555.57	7
i	Unmetered	914.12	742	8.12
ii	Metered	2,735.80	1,813.57	6.63
B	IAS II	350.43	269.5	7.69
i	Metered (Now Demand Based)	350.43	269.5	7.69

Sr. No	Category of Consumers	FY 2023-24		
		Sales (MUs)	Total (Rs Crores)	ABR (Rs/kWh)
				-
5	Public Service Connections	480	437.46	9.11
A	Public Water Works	146.16	159.23	10.89
B	Har Ghar Nal	333.85	278.23	8.33
6	Low Tension Industrial Services	497.39	560.2	11.26
A	LTIS I (0-19 kW)	307.78	355.88	11.56
B	LTIS II (>19 kW - 74 kW)	189.61	204.32	10.78
				-
7	LT Electric Vehicle Charging Station	6.02	4.62	7.67
8	High Tension	1,807.47	1,903.62	10.53
A	HTS I - 11 kV	880.58	994.5	11.29
B	HTS II - 33 kV	653.03	692.26	10.6
C	HTS III -132 kV	273.86	216.86	7.92
D	HTS IV - 220 kV	-	-	-
9	HT-Industrial Services	780.29	521.05	6.68
A	HTIS (Industrial) – I (11 kV)	-	-	
B	HTIS (Industrial)– II (33 kV)	-	-	
C	HTIS (Industrial) – III (132 kV)	-	-	
D	HTIS (Industries)-IV (220 kV)	-	-	
E	HTIS (Oxygen Manufacturers) - 11KV	6.35	9.92	15.61
F	HTIS (Oxygen Manufacturers) - 33KV	-	-	
G	HTSS	773.94	511.13	6.6
10	Railway Traction Services	292.38	308.33	10.55
				-
13	HT Electric Vehicle Charging Stations.	-		
14	SLDC Deviation	238.75	182.57	7.65
15	IEX through PMC	941.3	418.66	4.45
16	Sale of Power to PTC	2,064.36	855.33	4.14
	Total	20,822.21	16,735.99	8.04

11. Other Finance Charges

In table 30 on page no 68, the petitioner has claimed Accrual of Interest Under IPDS Scheme and Accrual of Interest on DDUGJY Scheme amounting to 0.22 Cr and 3.48 Cr. The petitioner shall provide the details of the same.

Petitioner's Response:

The Petitioner hereby submits that in the tariff order for FY 2021-22 (under Interest accrued on Capital fund; p.no.187), the Hon'ble Commission had approved interest income earned (refunded) on capital funds as a part of Non-Tariff Income while truing up for FY 2019-20 with a direction to the Petitioner to claim separately the refund or utilization made in the year in which such amount is actually refunded or utilized.

The aforementioned interest under IPDS scheme and DDUGJY Scheme is refunded in FY 2023-24. The payment voucher for the same is attached as **Annexure- 11a and 11b.**

12. Net ARR and revenue gap for FY 2023-24

In Table 36 on page no 77, the petitioner has claimed Rs 34.92 Cr towards Energy Saving certificates. The petitioner shall provide the details for the same.

Petitioner's Response:

The petitioner hereby submits the details of purchase of ESCERTs during FY 2023-24 enclosed as **Annexure-12a, 12b, 12c, 12d and 12e.**

APR for FY 2024-25, MYT ARR for FY 2025-26 to FY 2027-28 and Tariff for FY 2025-26

1. General

The petitioner should submit the soft copy of interlinked spreadsheet as provided in Regulations 12.2 of BERC MYT (Distribution) Regulations 2024 consisting of Formal I to 41 It .has been noted that the present spreadsheet submitted by the petitioner source data from the external files not submitted as part of petition.

Petitioner's Response:

The petitioner submits hereby the spreadsheet for tariff formats and model attached herewith as **Annexure "Final Model"**.

2. Consumer Number, connected load and Sales

The petitioner shall submit the 6 months (April to Sept 2024) provisional data with regard to consumer number, connected load and sales for information and prudent check.

Petitioner's Response:

The Petitioner hereby submits the financial statement of Q-2 of FY 2024-25 period ending 30th September 2024 containing the data for consumer number, connected load and sales, enclosed as **Annexure-2.**

3. Power Purchase projection for FY 2024-25

The petitioner shall confirm whether the energy from the New power plants as mentioned in para 4.6.6 on page no 84 of the petition has been considered during FY 2024-25 based on expected COD of individual plant. The petitioner should also submit the status of PPA for these plants.

Petitioner Response

In response to the above-mentioned query the Petitioner would like to submit that from the given list in table in Para 4.6.6 the Petitioner has consider the power plants for the generation for the FY 2024-25.

S. No	Name of Unit	Expected COD	Quantum (MW)	Plant type
1	NTPC NORTH KARANPUR UNIT #3	Mar-25	297.00	Thermal
2	BUXAR TPP UNIT #1	Jan-25	561.00	Thermal
4	Adani Solar	May-24	150.00	Solar
5	AVADA GREEN	Jul-24	50.00	Solar
6	ACME DEOGHAR/ACME DHAULPUR	Mar-25	150.00	Solar
7	SBE RENEWABLES SIXTEEN PVT LTD	Jan-25	180.00	Solar
9	GREENKO ENERGY HYBRID	Mar-25	210.00	Hybrid
10	FLOATING SOLAR	Mar-25	10.00	Solar
11	CANAL BANK SOLAR	Nov-24	2.00	Solar
12	ACME SOLAR JAISELMER	Mar-25	500.00	Solar

Status of the PPA

Particulars	BSPHCL Share	CoD	Status of PPA
NTPC NORTH KARANPUR UNIT #3	297.00	Mar-25	PPA signed on 22.08.2006. Unit has not yet been commissioned.
BUXAR TPP UNIT #1	561.00	Jan-25	PPA signed on 05.01.2011. Unit has not yet been commissioned.
BUXAR TPP UNIT #2	561.00	Jan-26	
ACME DEOGHAR/ACME DHAULPUR	150.00	Mar-25	PPA signed on 13.06.2019, Procurement approved by BERC on 29.05.2020 in case no 08/2020.Bihar is off taking the power from the part commissioning of the project w.e.f. 12.10.2024
SBE RENEWABLES SIXTEEN PVT LTD	180.00	Jan-25	PPA signed on 18.02.2022, Procurement approved by BERC on 28.04.2022 in case no 26/2020. Project has been commissioned but power has not yet been scheduled to Bihar due to delay in LTA operationalization
ADANI GREEN ENERGY	600.00	Mar-26	PPA signed on 20.05.2022, Procurement approved by BERC on 28.04.2022 in case no 21/2021.Project has not yet been

Particulars	BSPHCL Share	CoD	Status of PPA
			commissioned.
GREENKO ENERGY HYBRID	210.00	Mar-25	PPA signed on 20.05.2022, Procurement approved by BERC on 28.04.2022 in case no 21/2021.Project has not yet been commissioned.
FLOATING SOLAR	10.00	Mar-25	PPA signed on 30.07.2024, Procurement approved by BERC on 04.04.2024 in case no 05/2024.Project has not yet been commissioned.
CANAL BANK SOLAR	2.00	Mar-25	PPA signed on 12.03.2024, Procurement approved by BERC on 25.01.2024 in case no 28/2023.Project has not yet been commissioned.
ACME SOLAR JAISELMER	500.00	Mar-25	PPA signed on 29.10.2024, Procurement approved by BERC on 23.10.2024 in case no 21/2024, Bihar is off taking the power from the part commissioning of the project w.e.f. 10.12.2024

4. Renewable Power Purchase Obligation

The petitioner shall provide Sr no to table on page no 94 to know the formulae and calculations performed by the petitioner. The petitioner should provide details of RE generators identified (para 4.8.4 on page no 93 of the petition) for meeting the RPO obligation. The petitioner shall clarify if the short fall in other RPO (89.41 MU) during FY 2023-24 counted in FY 2024-25.

Petitioner Analysis

In reply to the above-mentioned query the Petitioner would like to submit the RE generators identified for the meeting the RPO obligation for FY 2024-25 as follows

Particulars	Plants
NHPC (RANGIT)	HYDRO
NHPC (TEESTA)	HYDRO
PTC (TALA)	HYDRO
PTC (CHUKHA)	HYDRO
PTC (MANGDECHHU)	HYDRO
PTC(KURUCHU)	HYDRO
PTC (NEPAL)	HYDRO
EAST GANDAK H.E. PROJECT, VALMIKINAGAR	HYDRO
TRIVENI S.H. PROJECT, TRIVENI (VALMIKINAGAR)	HYDRO

Particulars	Plants
SONE EASTERN H.E. PROJECT, BARUN	HYDRO
SONE WESTERN H.E. PROJECT, DEHRI-ON-SONE	HYDRO
SONE WESTERN H.E. PROJECT, KOSI	HYDRO
AGNOOR S.H. PROJECT, AGNOOR	HYDRO
DHELABAGH S.H. PROJECT, DHELABAGH	HYDRO
NASHRIGANJ S.H. PROJECT, NASHRIGANJ	HYDRO
JAINAGRAH S.H. PROJECT, JAINAGRAH	HYDRO
SRIKHINDA S.H. PROJECT, SRIKHINDA	HYDRO
SEBARI S.H. PROJECT, SEBARI	HYDRO
ARWAL S.H. PROJECT, ARWAL	HYDRO
BELSAR S.H. PROJECT, BELSAR	HYDRO
TIRUPATI SUGAR LIMITED	SUGAR
HARINAGAR SUGAR MILL	SUGAR
HASANPUR SUGAR MILL	SUGAR
BHARAT SUGAR MILL	SUGAR
HPCL BIOFUELS LIMITED, SUGAULI	SUGAR
HPCL BIOFUELS LIMITED, LAURIYA	SUGAR
NEW SWADESHI SUGAR MILL	SUGAR
RIGA SUGAR COMPANY LIMITED	SUGAR
BIHAR DISTILLERS AND BOTTLERS PRIVATE LIMITED	BIO MASS
SIDDHASHRAM RICE MILL CLUSTER PVT. LTD	BIO MASS
GLATT SOLUTION PRIVATE LIMITED	SOLAR
SECI (FOCAL)	SOLAR
SB ENERGY SIX PRIVATE LIMITED (NTPC)	SOLAR
RESPONCE RENEWABLE ENERGY PRIVATE LIMITED	SOLAR
SECI (RENEW SUNWAVES PRIVATE LIMITED)	SOLAR
SECI (GRT Jewelers)	SOLAR
AVANTIKA CONTRACTOR (I) PVT. LTD.	SOLAR
Welspun I	SOLAR
Welspun II	SOLAR
Welspun III	SOLAR
UDIPTA ENERGY AND EQUIPMENT PRIVATE LIMITED	SOLAR
SUNMARK ENERGY PROJECT LIMITED	SOLAR
ACME (MAGADH)	SOLAR
ACME (NALANDA)	SOLAR
AZURE POWER ERIS PVT. LTD.	SOLAR
Avada power eris pvt ltd	SOLAR
ALFA INFRA PROP PVT. LTD.	SOLAR
SECI (VIVID SOLAIRE ENERGY PVT. LTD.)	WIND

Particulars	Plants
SECI (GREEN INFRA WIND ENERGY PVT. LTD.)	WIND
SECI (Morjar Windfarms Pvt. Ltd.)	WIND
SECI (GREENKO SIRONJ WIND POWER PVT. LTD.)	WIND
PTC (OSTRO KUTCH WIND PRIVATE LIMITED)	WIND
PTC (GREEN INFRA RENEWABLE ENERGY LIMITED)	WIND
PTC (MYTRAH VAYU SABARMATI PRIVATE LIMITED)	WIND
SECI (ALFANAR ENERGY PVT. LTD.)	WIND
SECI (OSTRO KANNADA POWERPRIVATE LIMITED)	WIND
Adani Solar	SOLAR
Avada Clean	SOLAR
ACME DEOGHAR/ACME DHAULPUR	SOLAR
SBE RENEWABLES SIXTEEN PVT LTD	SOLAR
ADANI GREEN ENERGY	SOLAR
GREENKO ENERGY HYBRID	SOLAR
FLOATING SOLAR	SOLAR
CANAL BANK SOLAR	SOLAR
ACME SOLAR JAISELMER	SOLAR

Furthermore, the Petitioner would like to submit that after reconciliation RPO in reply to True Query No. 4 (I) on RPO it is observed that the Petitioner has overachieved RPO Target in FY 2023-24 by 80.99 MU. Accordingly updated table s related to the RPO calculation is provided in **Annexure No 4 (APR)**.

5. Power Purchase Cost

The petitioner shall submit the recent bills received during FY 2024-25 from power generating plants. The petitioner shall provide details about power purchase under short term as reflected in V8 and V9 of Table no 45, page 99 and if Commission's approval is sought for such power purchase.

Petitioner Response

In response to the abovementioned query the Petitioner would like to submit that the recent bills received during April to September of FY 2024-25 is attached via Letter No. 2016 dated 09.12.2024. Furthermore, the Hon'ble Commission has approved the short term purchase through DEEP portal from PTC and Tata Power vide order dated 05.03.2024 in case no. 04/2024. The details of Power purchase through short term is already included in Letter No. 2016 of 2024.

6. CWIP and Capitalization for FY 2024-25

In table No 48 on page no 104, the petitioner reported opening CWIP of 2,177Cr, whereas in the same table under 3 (a) the petitioner reported capitalization through CWIP as Rs 2,238Cr. The petitioner should remove the discrepancy and correct the table No 48 .

Petitioner Response

In reply to the above query the Petitioner would like to submit that the projected capitalization for FY 2024-25 is INR 2798 Cr. which is further bifurcated in two components i.e. CWIP (includes Capitalization due to ongoing scheme) and New Investment (includes new scheme capitalized in FY 2024-25). Accordingly, the Table 47 will be as below:

Sl. No.	Particulars	Approved for FY 2024-25	Projected for FY 2024-25 (RE)
1	Opening CWIP	2,890	2,177
2	New Investment	1,608	2,127
3	Less Capitalization	3,362	2,798
(a)	CWIP		2,238
(b)	New Investment		560
4	Closing CWIP (1+2-3)	2,852	1,507

7. A&G expenses

i. Para 4.12.2.5 on Page no 110, 111 the petitioner has considered monthly meter rent of Rs70.60 and Rs78.26 for Phase II and Phase III of smart meter implementation respectively. The petitioner shall provide the details of Commission's approval for the same.

Petitioner's Response:

The Petitioner hereby submits that Phase-II and Phase-III smart metering plan is structured as a combination of 70% OPEX and 30% CAPEX mode. It is hereby submitted that the business plan comprising of CAPEX portion of Phase-II and Phase-III smart metering plan has been approved by the Hon'ble Commission in the previous year tariff order.

Moreover, the Petitioner hereby submits that under Phase-II, 10 lakh smart metering implementation work in distribution area of SBPDCL is awarded to Genus at the monthly rental per meter of Rs.59.83. Therefore, total monthly rental per meter including 18% GST translates to Rs.70.60. The copy of Genus Agreement and rate chart is attached herewith as **Annexure-9c and 9d**.

Further, the Petitioner submits that under Phase-III, 35 lakh smart metering implementation work in distribution area of SBPDCL is awarded to Intellismart at the monthly rental per meter including 18% GST of Rs.78.26. The copy of Intellismart Agreement and rate chart is attached herewith as **Annexure-9b and 9e**.

Further, it is pertinent to mention that the aforesaid CAPEX and OPEX cost is as per the Agreements signed between the Petitioner with various AMISP agencies which is in accordance with the ministry of Power, Govt. of India emphasis on prepaid smart metering programs.

ii. Table 50 on page no 105 the petitioner has considered weightage average rate of depreciation on GFA as 4.78%, whereas the weightage average rate of depreciation on grant has been consider as 6.09%. Justification from petition is required.

Petitioner’s Response:

The Petitioner in table 50 Page no. 105 of the tariff petition filed dated 15th November has specified the Depreciation for FY 2024-25 wherein the weightage Average rate of depreciation on GFA and weightage Average rate of depreciation (on grant) is derived, the same is provided in the table below:

Sr. No	Particulars		FY 2024-25 (RE)
1	Gross fixed assets of the beginning of the year (exc. Land)	A	16,974
2	Additions during the year	B	2,569.98
3	IDC	C	-
4	Adjustment for assets sold/ discarded etc	D	-
5	Closing GFA	E = A+B+C-D	19,543.58
6	Average GFA	F=Average (A, E)	18,258.59
7	Weighted Average Rate of Depreciation	G=H/F	4.78%
8	Depreciation for the year	H	872
9	Opening grants (exc. Land)	I	7,285
10	Grants during the year	J	134
11	Adjustment for assets sold/discarded etc.	K	-
12	Total Grants	L=I+J-K	7,418.70
13	Average Grants	M= Average (I, L)	7,351.77
14	Weighted Average rate of Depreciation (for Grants)	N=O/M	6.09%
15	Depreciation for GFA on Grants	O	448
16	Net Depreciation of GFA on loans (8-15)	P=H-O	424.39

ARR for FY 2025-26 to FY 2027-28

1. Consumer No, connected load and sales

The data gap queries raised in the Business Plan section shall be applicable for the MYT part of the petition

Petitioner’s Response:

The Petitioner hereby submits that the response for aforesaid query has been provided in the Business plan section.

2. Depreciation

Table 84, page 167 — The petitioner has considered different weightage average rate of depreciation for computing depreciation on GFA and asset created through grant. The petitioner shall clarify reason of the same.

Petitioner’s Response:

The Petitioner in table 84 Page no. 167 of the tariff petition filed dated 15th November has specified the Depreciation for FY 2025-26 to FY 2027-28 wherein the weightage Average rate of depreciation on GFA and weightage Average rate of depreciation (on grant) is derived, the same is provided in the table below:

Sr. No	Particulars		FY 2025-26 (Projections)	FY 2026-27 (Projections)	FY 2027-28 (Projections)
1	Gross fixed assets of the beginning of the year (exc. Land)	A	19,544	22,627	25,172
2	Additions during the year	B	3,083.26	2,545.10	830.41
3	IDC	C	-	-	-
4	Adjustment for assets sold/ discarded etc	D	-	-	-
5	Closing GFA	E = A+B+C-D	22,626.84	25,171.94	26,002.35
6	Average GFA	F=Average (A, E)	21,085.21	23,899.39	25,587.14
7	Weighted Average Rate of Depreciation	G=H/F	4.52%	4.27%	4.08%
8	Depreciation for the year	H	953	1,020	1,043
9	Opening grants (exc. Land)	I	7,419	7,419	7,419
10	Grants during the year	J	-	-	-
11	Adjustment for assets sold/discarded etc	K	-	-	-
12	Total Grants	L=I+J-K	7,418.70	7,418.70	7,418.70
13	Average Grants	M= Average (I, L)	7,418.70	7,418.70	7,418.70
14	Weighted Average rate of Depreciation (for Grants)	N=O/M	6.04%	6.04%	6.04%
15	Depreciation for GFA on Grants	O	448	448	448
16	Net Depreciation of	P=H-O	505.21	571.93	

GFA on loans (8-15)				595.36
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3. Interest on Loans

Table 85, 86 & 87 on page no 168 and 171 — Weightage average rate of interest based on average loan and amount of interest paid during FY 2025-26 to FY 2027-28 works out to be around 9.23 % . The petitioner shall revisit the calculations.

Petitioner's Response:

The Petitioner hereby submits that weightage average rate of interest based on average loan and amount of interest paid during FY 2025-26 to FY 2027-28 as specified in the aforesaid table of the Petition is arrived at i.e. 9.41% whose calculation is provided in the table below:

Sr. No	Particulars	Purpose of loan	Opening balance	Rate of Interest	Addition during the year	Repayment during the year	Closing balance	Amount of interest paid	Average Loan	Average Interest Amount	Average Interest Rate
				A					B	C=A* B	D = C/B
1	REC (RGGVY) Term Loan	Project	89.75	0.11	-	13.85	75.90	9.06	82.82	9.11	
2	REC (R-APDRP) Term Loan	Project	218.79	0.10	-	34.93	183.86	19.72	201.33	20.94	
3	PFC (R-APDRP) Term Loan	Project	102.35	0.09	-	11.91	90.44	16.34	96.40	8.68	
4	REC (IPDS) Term Loan	Project	314.20	0.10	-	22.25	291.95	29.85	303.07	30.88	
5	REC (DDUGJY) Term Loan	Project	696.63	0.10	-	48.66	647.97	66.18	672.30	68.51	
6	REC (Smart Meter) Term Loan	Project	400.00	0.09	500.00	-	900.00	39.38	650.00	56.88	
7	State Govt.-Non-Plan Loan	Project Support	195.11	0.13	22.91	-	218.02	26.85	206.56	26.85	
8	BSPHCL (ADB) Loan	Project	6.28	0.13	-	-	6.28	0.82	6.28	0.82	
9	Canara Bank-VSL	Working Capital	300.00	0.07	-	-	300.00	20.25	300.00	20.25	
10	Bank O/D under consortium arrangement (Lead Bank-PNB)	Working Capital	3,506.27	0.09	850.00	-	4,356.27	353.81	3,931.27	353.81	
11	REC Short Term	Wor									

Sr. No	Particulars	Purpose of loan	Opening balance	Rate of Interest	Addition during the year	Repayment during the year	Closing balance	Amount of interest paid	Average Loan	Average Interest Amount	Average Interest Rate
	Loan-RBPF	king Capital	500.00	0.10	500.00	500.00	500.00	47.50	500.00	47.50	
12	REC- SLTTL	Working Capital	878.60	0.10	-	123.86	754.74	80.54	816.67	81.67	
13	PFC- SLTTL	Working Capital	938.24	0.10	-	123.72	814.52	87.76	876.38	87.64	
11	Total		8,146.22		1,872.91	879.18	9,139.95	798.06	8,643.08	813.53	9.41%

4. Interest on Working Capital

Table 96 on page no 184 — the amount of Security deposit shown at Sr I (iii) not matches with the amount of SD shown in Table 95 on page 183. The petitioner shall clarify the same.

Petitioner's Response:

The Petitioner hereby submits that in table 95 on page 183, the closing security deposit for FY 2025-26 is considered as the opening security deposit amount for FY 2026-27 and similarly for FY 2027-28. The calculation of interest on SD from FY 2024-25 to FY 2027-28 along with remarks is provided in table below:

		FY 24-25	FY 25-26	FY 26-27	FY 27-28	Remarks
Opening SD	A	838.87	894.14	949.42	1004.70	For FY 24-25, Opening SD of Rs.838.87 Cr is the SD from consumer in FY 23-24 (Note 19, p.no.30 of the audited accounts). Closing SD of FY 24-25 is considered as opening SD for FY 25-26 and similarly for other years.
Addition	B	55.28	55.28	55.28	55.28	838.87 (SD from consumer in FY 23-24) -783.59 (SD from

		FY 24-25	FY 25-26	FY 26-27	FY 27-28	Remarks
						consumer in FY 22-23)= 55.28 Hence, addition during FY 23-24 is 55.28 Crore which is considered the same for other years.
Closing SD	C = A+B	894.14	949.42	1004.70	1059.97	
Avg SD	D = Average (A, C)	866.50	921.78	977.06	1032.33	
RBI Bank rate	E	6.50%	6.50%	6.50%	6.50%	6.50% is RBI bank rate as on 31.10.2024 (latest available)
Interest on SD	F = D*E	56.32	59.92	63.51	67.10	

The amount of SD as specified in table 96 on page 184 of the petition is considered the same for FY 2025-26 to FY 2027-28 i.e. Rs.838.87 Crore (same as FY 2024-25 as mentioned above) which is typographical error. Therefore, the Petitioner submits that the amount of SD in table 96 on page 184 may be considered the same as specified in table 95 on page 183.

5. Demand side Management

Para 5.21.4 on page no 185 — The petitioner shall furnish the information on study undertaken / efforts put in with respect to Demand Side Management up till now during FY 2024-25 for which DSM charges of Rs 30Cr was approved by the Commission during FY2024-25.

Petitioner's Response:

The Petitioner hereby submits that in reference to DSM plan of Rs.30 Crore for FY 2024-25, the details of Smart Meters installation in consumer premises in FY 2024-25 (Till 30th 'Sept24) including planning is as follows:

- The Petitioner had estimated implementation of 3-ph Smart meters for LTIS-I (up to 19 KW load) consumers for FY2024-25 in the tariff petition for FY 2024-25 as planned under DSM activities for FY 24-25 amounting to Rs.16.50 Crore. It is hereby submitted that the work progress of amounting to Rs.4.41 Crore has been carried out.
- Implementation of LT CT meters for LTIS-II (>19 KW – 74 KW) consumers has been planned under DSM activities for FY 24-25 which is in process.
- Installation of 11 KV HT meters for HTS(General)-I (11 KV) consumers has been planned under DSM activities for FY 24-25 amounting to Rs.3.07 Crore. It is hereby submitted that the work progress of amounting to Rs.0.97 Crore has been carried out.

6. Additional Surcharge

Para 7.4 on page no 203 — The petitioner in the table used for calculation of additional surcharge to be levied on OA consumer shown stranded capacity due to OA as Zero (Nil) , subsequently fixed charges for stranded capacity are also shown as zero . The rate for additional surcharge arrive at Rs 2.89/kWh is not clear. The petitioner shall revisit the calculations and submit correct information in this regard.

Petitioner's Response:

The Petitioner hereby submits the correct calculation for additional surcharge in the table below:

Particulars		FY 2025-26
Contracted Capacity of DISCOM	A (MW)	29020
Availability of the Contracted Capacity during period	B (MW)	29020
Scheduled Capacity during period	C (MW)	29020
Open Access allowed during period	D (MW)	70.74
Capacity stranded due to Open Access	E (MW)	0
Total Fixed charge paid for period (FY 2025-26)	F (Rs. Crore)	9,358.09
Transmission charge paid during period (FY 2025-26)	G (Rs. Crore)	4,163.08
Energy Scheduled during period (FY 2025-26)	H (MUs)	46,502.47
Energy Consumed by OA consumer from DISCOM	N (MUs)	230.42
Demand Charge Recovered by DISCOM from OA consumer	P (Rs. Crore)	38.95
OA Scheduled energy during the period	S (MUs)	54.99
Fixed charge per MW of available capacity	$I = F/B$ (Rs Crore)	0.32
Fixed charge for the Stranded Capacity	$J = I * E$ (Rs. Crore)	-
Transmission charge per kWh	$K = G/H * 10$ (Rs./kWh)	0.90
Distribution charges (as approved in Tariff order) (for FY 2024-25)	L (Rs./kWh)	9.04
Total T&D Charges per kWh	$M = K + L$ (Rs. /kWh)	9.94
T&D charges payable by OA to DISCOMS	$O = M * N / 10$ (Rs. Crore)	228.93
Demand Charge to be adjusted (Rs. Cr)	$Q = O - P$ (Rs. Crore)	189.98
Net Stranded Charges recovered (Rs. Cr)	$R = J - Q$	(189.98)
Additional Surcharge (Rs./kWh)	$S/R * 10$	0

In view of the aforesaid calculation, the petitioner propose zero (Nil) additional surcharge for open access consumers for FY 2025-26.

7. Key changes proposed in the tariff schedule

Para 8.2.1 on page no 207- The petitioner shall furnish the methodology adopted for arriving at green tariff of Rs 1.17/kWh for all categories of consumers for FY 2025-26.

Petitioner’s Response:

The Petitioner hereby submits that it had earlier filed a Petition before Hon’ble Commission for Formulation of Regulations and Determination of Tariff for Green Energy Open Access Consumers which was heard by Hon’ble Commission as Case No 06/2024. Based on the methodology adopted by states for determination of green tariff as specified under the aforesaid case, a green tariff is proposed for all categories in the state of Bihar whose calculation is provided below:

Parameter		Rate (Rs./kWh)	Source
Weighted average rate of Energy charge of Non-RE sources (Rs./kWh)	A	5.41	Average cost of power from conventional sources at CTU as approved by BERC for FY 2024-25 (Tariff Order for FY 2024-25, table 6.23, page no 323)
Weighted average rate of RE power (Rs./kWh)	B	3.03	Average cost of RE power as approved by BERC for FY 2024-25 (Tariff Order for FY 2024-25, table 6.23, page no 324)
Difference	C = A- B	2.38	
50% of Difference	D = C*0.5	1.19	

Accordingly, the Petitioner has proposed a green tariff of Rs.1.17/kWh (amount lesser than Rs.1.19/kWh as arrived above).

8. Time of Day Tariff

Para 8.2.3.1 on page no 208 the TOD table provided under para 8.2.3.1 is not as per the approved TOD schedule by the Commission vide review order dated 30.09.2024

Para 8.2.3.6 on page no 209 —the petitioner shall furnish demand curve for a representative day for last 6 months to substantiate the TOD schedule and rate proposed in the table below para 8.2.3.1. Further the petitioner shall project the current and estimated solar injection during solar hours (9am to 4pm) in its area of supply.

Petitioner’s Response:

The Petitioner hereby submits that TOD table provided on page no 208 of the petition may be read as approved by the Hon’ble Commission vide review order dated 30.09.2024 which is provided below:

Time of Use	Demand Charges	Energy Charges
(i) Normal period (9:00 a.m. to 5.00 p.m.)	Normal Rate	Normal rate of energy charges
(ii) Evening peak load period (5.00 p.m. to 11.00 p.m.)	Normal Rate	120% of normal rate of energy charges
(iii) off peak load period (11.00 p.m. to 9.00 a.m.)	Normal Rate	80% of Normal rate of energy charges

Further, in reference to the proposal of the Petitioner under paragraph 8.2.3.6 of the petition, the petitioner hereby submits the demand curve of Bihar of 04.12.2024, enclosed as **Annexure-8 demand curve**. This demand graph clearly shows that the demand is getting shoot up from 63rd time block onwards which is from around 4:00 PM.

9. Rationalizing the online payment incentive for each consumer category

Para 8.2.4.2 on page no 209 -The petitioner shall provide the data with regard to the actual revenue realization in FY 2023-24 from HTS-III and HTSS consumers who paid their electricity bills through online payment facility.

Petitioner's Response:

The Petitioner hereby submits the details of actual revenue realization in FY 2023-24, HTS-III and HTSS consumers by making online payment of their monthly Bills, enclosed in **Annexure-9 online payment**.

10. Rebate for uptake of Smart Prepaid meter by consumers

Para 8.2.5.1 on page no 210 — The petitioner should substantiate the proposed change in rebate structure for the consumers using pre-paid smart meters from 3% rebate to Rs 0.25/kWh with the help of data. .

Petitioner's Response:

The Petitioner hereby submits that 3% rebate is being provided to the consumer on the total bill amount and the same amount is added to the account balance of the consumer.

Given that energy charges varies widely across the various consumer category and also across different slabs within the same category. This creates an ambiguous situation while estimating the rebate for consumers using pre-paid smart meters. Moreover, rebate in terms of Rs. per unit is relatively easier to understand for any consumer as compared to rebate in terms of percentage. It is worthwhile to mention that state, such as, Madhya Pradesh provides rebate of Rs.0.25 per unit on energy charge.

An assessment of 3% rebate on energy charge after subsidy for consumer category on BERC approved tariff for FY 2024-25 is provided in table below:

	Category	Energy charge after subsidy (Rs./kWh) - A	3% of A (Paise/ unit) - B
1	Domestic		
A	Kutir Jyoti		
i	Metered 0-50	1.97	6
ii	Sales above 50 Units	2.75	8
B	DS I Rural		0
a	0-50 Units	2.45	7
b	Above 50 Units	2.85	9
C	DS II Demand Based		0
i	First 100 Units	4.12	12
ii	Above 100 Units	5.52	17
D	DS III	5.42	16
2	Non_Domestic Service		0
A	NDS I - Metered		0
i	First 100 Units	3.35	10
ii	Above 100 Units	4.21	13
B	NDS II - Demand Based		0
i	Contract Demand <0.5 kW	5.67	17
ii	Contract Demand >0.5 kW		0
a	First 100 Units	5.67	17
b	Above 100 Units	6.44	19
3	Street Light Services		0
A	SS Metered	9.03	27
B	SS Unmetered	-	0
4	Irrigation & Allied Services		0
A	IAS I		0
i	Unmetered	-	0
ii	Metered	0.55	2
B	IAS II		0
i	Metered	0.50	2
5	Public Service Connections		0
A	Public Water Works	9.72	29
B	Har Ghar Nal	2.45	7
6	Low Tension Industrial Services		0
A	LTIS I (0-19 kW)	6.02	18
B	LTIS II (>19 kW - 74 kW)	6.00	18
7	LT Electric Vehicle Charging Station	7.00	21

8	High Tension - General		0
A	HTS I - 11 kV	6.40	19
B	HTS II - 33 kV	6.35	19
C	HTS III -132 kV	6.30	19
D	HTS IV - 220 kV	6.25	19
E	HTS IV - 400 kV		0
9	High Tension - Industrial Service		0
A	HTIS I - 11 kV	6.40	19
B	HTIS II - 33 kV	6.35	19
C	HTIS III -132 kV	6.30	19
D	HTIS IV - 220 kV	6.25	19
E	HTIS IV - 400 kV		0
F	HTSS - 33/11 kV	3.86	12
G	HTSS - 220/132 kV		0
H	HTIS - (Oxygen Manufacturing 11KV)	4.35	13
I	HTIS - (Oxygen Manufacturing 33KV)	4.29	13

The above table clearly shows that the 3% rebate to consumer categories wherein substantial prepaid smart metering has been installed or planned (such as, NDS, Domestic, LTIS etc.) is in the range of Rs.(0.15-0.22)/unit. In view of the above, rebate for the consumers using pre-paid smart meters has been proposed from 3% rebate to Rs 0.25/kWh.

11. Non-applicability of Power factor surcharge for Agricultural and NDS category Para 8.2.8.1 on page 211— The petitioner shall furnish the smart metering status for NDS and IAS-I category of consumers.

Petitioner's Response:

The Petitioner hereby submits that category wise smart meters installed, including for NDS and IAS-I category till 12.12.2024 is attached herewith as **Annexure-11 smart meters**.

12. Tariff Schedule

Para 8.4 on page no 214 — The petitioner proposed that the tariffs are to be made applicable for supply of electricity to L.T consumers with a connected / contracted demand up to 45 KW for domestic, non-domestic and Street Light Category, up to 50 kVA for industrial (LTIS) and for public water works (PWW) category. The petitioner shall submit rationale for proposed change from existing contracted demand up to 70 kW for domestic, non-domestic and Street Light Category, up to 74 kW for industrial (LTIS) and for public water works (PWW) category. .

Petitioner's Response:

The petitioner hereby submits that the proposed tariff as specified on page no. 214 of the petition is applicable to supply of electricity to L.T consumers with a connected / contracted demand up to 45 kW for domestic consumer instead of the existing a connected / contracted demand up to 70 KW. The proposed change would remove the difficulties in providing new connection/ enhancement of load ranging from 50 kVA-70 kW.

It is worthwhile to mention that the Petitioner has also proposed the same as part of DISCOM's submission during the meetings of members of Electricity Supply Code Review Panel (ESCRP) for amending the Bihar Electricity Supply Code 2007.

Response to BERC Letter no. 972 dtd. 05/12/2024 pertaining to SBPDCL Tariff Petition for FY 2025-26

a. Point No.13 – True Up for FY 2023-24

General

Table number in entire petition needs to be corrected and put in order.

Petitioner's Response:

The Petitioner hereby submits the petition with updated tables Nos. enclosed as **Annexure-Final Petition**.

Soft copy of excel spreadsheet... Tariff formats and Models

Petitioner's Response:

The Petitioner hereby submits the petition with updated tables Nos. enclosed as **Annexure-Final Model**.

1. HTS (General)-I, II, III & IV voltage level shown same - not matching with corresponding excel sheet of Format I.

Petitioner's Response:

This is to submit that the HTSS-(33kV/11kV) has been included in HT-General. The detail break up is given below:

HTS (General)-I (11 kV)	2582
HTS (General)- II (33 kV)	214
HTS (General)- III (132 kV)	5
HTS (General)- IV (220 kV)	0
HTS (General) – V (400 kV)	0
HTSS – (33 kV/11 kV)	13
HT- General (Total)	2814

Therefore, petition is showing 2801 and in excel it is showing 2814. It can be verified from company annual audited accounts.

2. Actual Values of No. of consumer for HT-Industrial Services are not matching with cell no. 65 of Format I of corresponding excel sheet "25-26 SBPDCL Tariff Formats Final".

Petitioner's Response:

This is to submit that HTSS-(33kV/11kV) category has been added to the HTS-General. Therefore, the HT Industrial Service not matching. The break of HT Industrial can be shown below:

HTIS (Industrial) – I (11 kV)	0
HTIS (Industrial)– II (33 kV)	0
HTIS (Industrial) – III (132 kV)	0
HTIS (Industries)-IV (220 kV)	0
HTIS (Industries)-V (400 kV)	0
HTIS (Industrial)- Oxygen Manufacturers (11 kV)	33
HT-Industrial	33

3. Actual Values of High Tension & HT-Industrial services category are not matching with corresponding E57 & E65 cells of Format-I of excel sheet "2526 SBPDCL Tariff Formats Final".

Petitioner's Response:

This is to submit that HTSS-(33kV/11kV) has been included in HT-General. Therefore, the value of respective cells highlighted in query is not matching, which will be matched after adding HTSS-(33kV/11kV) in respective cells mentioned above in HT- General and same may be subtracted from HT-Industrial Services to match the respective highlighted cell.

- HT- General = 2581
- HT Industrial Services = 6

4. Share allocated in MW for power generating stations with injection at CTU is not matching with the corresponding cell G-8 of Format 3(A) of excel sheet "25-26 SBPDCL Tariff Formats Final"

Petitioner's Response:

This is to submit that there has been a calculation error occurred in addition of CTU plant in Format 3(A). It is to submit that the sum of all the stations with CTU plant is = 20,062.16 Mus which is same as mentioned in petition.

5. Values of column Fixed Charges, Energy Charges, Misc. Charges & Total Charges (Rs Crores) of Stations with injection at CTU are not matching with cell G8, I8, J8 & L8 respectively of Format 5 of excel sheet "25-26 SBPDCL Tariff Formats Final".

Petitioner’s Response:

This is to submit that the values of column Fixed Charges, Energy Charges, Misc. Charges & Total Charges (Rs Crores) can be considered from petition only. There has been calculation error occurred in Format-5 of excel sheet “25-26 SBPDCL Tariff Formats Final”

6. Values of column Fixed Charges, Energy Charges, Misc. Charges & Total Charges (Rs Crores) for NTPC (Farakka-i& ii) are not matching with cells I12 J12 & L12 respectively of Format 5. Similarly Values of Fixed charges & Total Charges (Rs Crores) for NTPC (Farakka-iii) are not matching with cells G 13 & L13 respectively of Format 5.

Petitioner’s Response:

The corresponding value may be referred from the Power purchase cost analysis model as attached herewith.

7. Value of Closing CWIP is not matching with the corresponding Format 17 of excel sheet "25-26 SBPDCL Tariff Formats Final".

Petitioner’s Response:

This is to submit that there has been a typo error in petition for closing value of CWIP. The correct CWIP value will be calculated as per the mentioned table. The closing CWIP will be = 2177.41

Sr. No	Particulars	FY 2023-24 (Actual)		
		Loan	Grant	Equity
1	Opening CWIP	110.86	173.40	1,433.30
2	New Investment	58.61	44.19	1,319.01
3	Less Capitalization	60.30	58.16	843.50
a	CWIP Capitalization	48.24	46.52	674.80
b	New Investment capitalization	12.06	11.63	168.70
4	Closing CWIP (1+2-3) *	109.17	159.44	1,908.81

b. Point No.14 – APR for FY 2024-25 & MYT 2025-26 to FY 2027-28

8. Projected Value of No. of consumer for HT-Industrial Services are exactly same for all the period (i.e. for True-up, ARR and APR). Petitioner may re-examine the same.

Petitioner’s Response:

This is to submit that value of No. of consumer for HT-Industrial Services are exactly same for all the period (i.e. for True-up, ARR and APR) and we have not increased the no. of consumer in True-up, APR & ARR. The no. of consumer has been increased in HT-General category for True-up, APR & ARR part of Tariff Order.

9. Projected Value sales of High-Tension category in FY 2024-25 in Table-40 is not matching with corresponding H 57 cell in Format-I.

Petitioner’s Response:

This is to submit that HTSS-(33kV/11kV) sales has been included in HT-General sales. Therefore, the value of respective cells highlighted in query is not matching, which will be matched after adding HTSS-(33kV/11kV) in respective cells mentioned above in HT- General sales. The same has been given below:

HT-General	2711
HTS (General)- I (11 kV)	943
HTS (General)- II (33 kV)	699
HTS (General)- III (132 kV)	279
HTS (General)- IV (220 kV)	0
HTS (General)- V (400 kV)	0
HTSS – (33 kV/11 kV)	789

10. Projected Values of connected load of High-Tension category in FY 2024-25 in Table-41 are not matching with corresponding excel sheet of G57 cell in Format-I

Petitioner’s Response:

This is to submit that HTSS-(33kV/11kV) connected load has been included in HT-General connected load. Therefore, the value of respective cells highlighted in query is not matching, which will be matched after adding HTSS-(33kV/11kV) in respective cells mentioned above in HT- General connected load. The same has been given below:

HT-General	1144139
HTS (General)- I (11 kV)	607609
HTS (General)- II (33 kV)	324381
HTS (General)- III (132 kV)	77010
HTS (General)- IV (220 kV)	0
HTS (General)- V (400 kV)	0
HTSS – (33 kV/11 kV)	135139

11. Values of Unit Purchased from (V) others (MU) and (VII) Total Unit Purchased (MU) are not matching with cell I102 and I108 of Format 3(A).

Petitioner’s Response:

The corresponding value may be referred from the Power purchase cost analysis model as attached herewith.

12. Values of Energy charges & Total Cost (Rs Crores) of Stations with injection at CTU are not matching cells T8, V8 W8, Z8 and A8 respectively of Format 5.

Petitioner’s Response:

This is to submit that there has been a calculation error occurred in the Format-5 of T8, V8, W8, Z8 & A8 cells in which STU plants has also been added. Therefore, it is requested to see if plants of STU are removed from the respective cells, then no. will be matched.

13 Projected Values of HT-General for 2025-26 to 2027-28 are not matching with corresponding cells I57, L57 & O57 of Format I.

Petitioner's Response:

This is to submit that HTSS-(33kV/11kV) category has been included in HT-General category. Therefore, the value of respective cells highlighted in query is not matching, which will be matched after adding HTSS-(33kV/11kV) in respective cells mentioned above in HT- General category.

14. Projected sales Value of HT-Industrial Service for 2025-26 to 2027-28 are not matching with cross ponding excel sheet of K65, N65 & Q65 cell in Format-I.

Petitioner's Response:

This is to submit that HTSS-(33kV/11kV) category has been included in HT-General category. Therefore, the value of respective cells highlighted in query is not matching, which will be matched after subtracting the HTSS-(33kV/11kV) in respective cells mentioned above in HT- Industrial Services category.

15. Values of Unit Purchased (MU), Variable Cost (Rs. Crores) and Total Cost for Stations with injection at CTU are not matching with cells AE8, AL8 & AP8 respectively, of Format 5.

Petitioner's Response:

This is to submit that there has been a calculation error occurred in the Format-5 of AE8, AL8, & AP8 cells in which STU plants has also been added. Therefore, it is requested to see if plants of STU are removed from the respective cells, then no. will be matched.

16. Values of Unit Purchased (MU) and Total Cost for Stations with injection at CTU are not matching with cells CN8 & CY8 of Format 5.

Petitioner's Response:

This is to submit that there has been a calculation error occurred in the Format-5 of CN8 & CY8, cells in which STU plants has also been added. Therefore, it is requested to see if plants of STU are removed from the respective cells, then no. will be matched.

17.) Value: of Unit Purchased (MU), Variable Cost (Rs. Crores) and Total Cost for Stations with injection at CTU are not matching with cells DC8, DJ8 & DN8 respectively of Format 5.

Petitioner's Response:

This is to submit that there has been a calculation error occurred in the Format-5 of DC8, DJ8 & DN8 cells in which STU plants has also been added. Therefore, it is requested to see if plants of STU are removed from the respective cells, then no. will be matched.

