

बिहार ग्रिड कम्पनी लिमिटेड
(संयुक्त उपक्रम बिहार स्टेट पावर (होल्डिंग) कं० लि० एवं पावरग्रिड)
BIHAR GRID COMPANY LIMITED
(Joint Venture of Bihar State Power (Holding) Co. Ltd. & POWERGRID)



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CIN : U40100BR2013PLC019722

Ref: JV/PT/BG/COMML/BERC/११०

Date: 18/12/2024

To,
The Secretary,
Bihar Electricity Regulatory Commission,
Vidyut Bhawan-II,
Bailey Road, Patna-800001.

Sub: Response to Information/ Clarifications sought by the Hon'ble Commission Regarding the BGCL Tariff Petition for Truing-up of FY 2023-24, Annual Performance Review (APR) of FY 2024-25, under BERC (Multi Year Transmission Tariff & SLDC Charges) Regulations, 2021 & Multi Year Aggregate Revenue Requirement (ARR) for the control period of FY 2025-26 to FY 2027-28 and Determination of Transmission Tariff for the FY 2025-26 and Business Plan & Multi Year Aggregate Revenue Requirement (ARR) for the control period of FY 2025-26 to FY 2027-28.

Ref.:

1. BGCL Tariff Petition dated 27.11.2024
2. BERC Letter No.-BERC-Case No-31/2024-1003 Patna, dated 11.12.2024

Respected Sir,

With reference to the subject matter, the Petitioner hereby submits its response to the information and clarifications sought by the Hon'ble Commission vide its letter dated 11.12.2024. The detailed response, along with the relevant annexures, is attached herewith for your kind perusal.

The Petitioner remains committed to fully cooperating with the Hon'ble Commission and is available to provide any additional information or clarification as may be required.

We respectfully request the Hon'ble Commission to kindly take this submission on record and consider the same while deliberating on the matter.

Thanking you,



Yours faithfully

(Rajesh)

Sr. GM (Comml. /O&M), Patna

Replies to queries of the Hon'ble BERC

Ref: BERC- Case No - 31/2024-1003 dated 11.12.2024

Regulatory Background

1. Disallowed capital cost of earlier period

The Petitioner submitted that: "In view of the above pending matters, BGCL respectfully prays before the Hon'ble Commission that the earlier disallowed Capital Cost towards Part 1 of 2 (ref Tariff Order dated 12.03.2021 and Tariff Order dated 25.03.2022) be considered for the consideration of opening Capital Cost for the FY 2023-24."

The Commission has already dealt with this issue in Tariff order for FY 2024-25 (page 59) and elaboratively explained the reasons for not consideration of past disallowed capital cost. The Petitioner shall explain the reasons for raising the matter on which ruling has been passed by the Commission.

Reply:

The Petitioner respectfully submits that the Hon'ble Commission may kindly consider the Capital Cost as claimed for Part 1 of 2, based on the information and documents provided in Annexure C along with the main Petition, while determining the True-up for FY 2023-24, the APR for FY 2024-25, and the ARR for the Control Period FY 2025-26 to FY 2027-28.

The non-consideration of the submitted Capital Cost has led to significant financial losses for the Petitioner, adversely impacting its ability to efficiently operate and maintain the transmission network. The Hon'ble Commission's kind consideration and approval of the claimed Capital Cost are crucial to ensure the financial sustainability of the Petitioner and to enable it to continue delivering reliable and quality transmission services to consumers. The Petitioner has already provided the relevant details in the *Regulatory Background* chapter of the main Petition, and the same is not being repeated here for brevity.

True UP of FY 2023-24

2. Performance of Transmission System - Transmission Availability Factor (TAF) and Transmission

Loss

- i. The Petitioner has not provided any details of Month-wise Transmission Availability and Transmission Loss in the Petition. Hence, month-wise availability certified by SLDC as per



Regulation 16.2 of MYT claimed. Regulations 2021 shall be provided with detailed derivation of TAF.

Reply:

The Petitioner submits the Month-wise Transmission Availability certificates certified by SLDC as **Annexure-1** along with this reply.

- ii. The Petitioner has mentioned 0.94% of transmission loss. However, format F1 and P1 shows transmission loss of 0.76%. This discrepancy should be removed with suitable correction in Petition/formats. Also, the Petitioner should explain clearly the loss level mentioned in terms of input and output energy in MU terms.

Reply:

The Petitioner hereby submits the transmission losses in FY 2023-24, as per the format sought by the Hon'ble Commission in the table below:

Month	Import	Export	Loss	Loss%
Apr-23	708731.63	706526.30	2205.33	0.31%
May-23	771269.64	763512.75	7756.89	1.01%
Jun-23	821958.82	813237.55	8721.28	1.06%
Jul-23	838409.51	831043.65	7365.86	0.88%
Aug-23	856205.64	850371.52	5834.12	0.68%
Sep-23	897040.15	890420.00	6620.14	0.74%
Oct-23	748123.91	743797.74	4326.17	0.58%
Nov-23	619541.02	615862.33	3678.69	0.59%
Dec-23	630102.43	625354.23	4748.20	0.75%
Jan-24	678225.19	671673.38	6551.81	0.97%
Feb-24	575452.19	571411.27	4040.92	0.70%
Mar-24	661251.67	656339.13	4912.54	0.74%
MW hr	8806311.81	8739549.84	66761.98	0.76%

The Petitioner respectfully submits that the transmission loss as shown above and in Formats F1 and P1, represents the transmission loss for FY 2023-24. However, the Petitioner acknowledges an inadvertent typographical error in reporting the transmission



loss as 0.94% in the Petition. Therefore, the Petitioner humbly requests this Hon'ble Commission to kindly consider the corrected transmission loss data.

- iii. Format P2 shows energy delivered to DISCOMs as 1278.58 MU; however, in format P1, Sum of all the energy delivered in different voltage level to the State Distribution System' (400 kV and 220 kV) is shown as 1292.60 MU (cell c7+ c13). This discrepancy should be removed by the Petitioner.

Reply:

The Petitioner respectfully submits to the Hon'ble Commission that the discrepancy in the energy figures reported in Format P1 and Format P2 is currently under reconciliation. The Petitioner is undertaking a detailed review to ensure accuracy and consistency in the data; however, the reconciliation process is yet to be completed. The Petitioner assures that an appropriate response will be submitted as soon as the reconciliation is finalized.

3. Capital expenditure and Capitalization

- i. The Petitioner has shown opening CWIP of FY 2023-24 (Sr No 4) as Rs 285.99 Cr, however, the same was approved as Rs 345.60 Cr (closing CWIP of FY 22-23 in FY 22-23 true-up order table 4.6). The reason for considering a different value than approved value of the Commission may be explained.

Reply:

In continuation of the response submitted by the Petitioner under point no. 1 above, it is respectfully stated that the details are not repeated here for the sake of brevity. The opening balance of CWIP has been aligned with the opening CWIP balance as reported in the Audited Accounts.

- ii. In Note 5 of annual audited account, the values shown under Additions during the year for CWIP-IDC and CWIP-IEDC is not matching with values provided in table 3, page no 11 of the Petition, Capital investment during year for IDC and IEDC (Sr No 6 &7). The Petitioner shall explain the reasons for variance.

Reply:

The Petitioner respectfully submits that the additions to IDC and IEDC included in the Petition align with the figures reflected in the audited books of accounts. These have been



reconciled in the table below, along with the relevant formula, for the kind consideration of the Hon'ble Commission.

Based on Note-5 of Audited Books of account – Amount in Rupees

Particulars	Additions during the year	Adjustments	Net Addition
a	b	c	d = b - c
Part-2			
IDC	11,15,34,394	-	11,15,34,394
IEDC	4,20,70,353	-	4,20,70,353
Part-1			
IDC	15,99,64,349	-34,82,413	16,34,46,762
IEDC	2,28,50,746	-6,62,577	2,35,13,323
Total IDC			27,49,81,156
Total IEDC			6,55,83,676
Total IDC in Crore			27.50
Total IEDC in Crore			6.56

4. Gross Fixed Asset (GFA)

- i. The opening GFA shown in the Petition for FY 2023-24 (Rs 2882.36 Cr) is not matching with closing GFA approved by the Commission for FY 22-23 under true-up (Rs 2666.07 Cr). The reason for the same may be provided.

Reply:

In continuation of the response submitted by the Petitioner under point no. 1 above, it is respectfully stated that the details are not repeated here for the sake of brevity. The opening balance of GFA has been considered in line with the Closing GFA submitted by the Petitioner in the True up Petition for FY 2022-23 minus GFA amounting to Rs. 67.82 crore as mentioned under table 4.3 in Hon'ble Commission's Order dated 01.03.2024.

- ii. In audited account Note 4, addition during the year is Rs 12575.66 Lakh and disposal is Rs 3.52 Lakh. The net addition of Rs 12572.14 Lakh (as per Note 4) is not matching with capitalization during the year given in Note 5 (Rs 12498.37 Lakh). The reasons for such mismatch should be explained.

Reply:

The Petitioner respectfully submits that all transmission assets requiring assembly and erection before being put to their intended use are routed through CWIP before capitalization. However, assets primarily comprising furniture and office equipment,

which are ready for use in their intended purpose, are directly capitalized without being routed through CWIP. Reconciliation of the figures are shown in the table below:

Particular	Formula	Amount in Rupees
		Amount
Capitalization during the year shown in Note-5	A	1,24,98,36,904
Total Capitalization shown in Note-4	B	1,25,75,65,893
Difference	$C = B - A$	77,28,989
Assets capitalized directly	$D = E + F + G + H + I + J$	77,28,989
Furniture and Fixtures		
Furniture	E	1,12,968
Electrical installation	F	-
Office Equipment		
Office equipment	G	65,35,141
Electronic data processing machine	H	-
Servers & network component	I	-
Servicing equipment	J	10,80,880

- iii. Capitalization during the year having two different values in Table 3 (total capitalization) 124.98 Cr. and Table 6 (net additions in GFA) it is 125.76 Cr.

Reply:

The Petitioner respectfully submits that the difference arises from the direct capitalization of certain assets, as explained under point no. 4(ii) above. The details are not repeated here for the sake of brevity. In view of the same, the Hon'ble Commission is humbly requested to consider net addition in GFA as Rs. 125.76 crore.

- iv. In Table 7, the Petitioner claimed Depreciation of opening depreciable assets and Depreciation on asset additions during the year. The said claim amount be explained with proper reference to Notes of the audited account.

Reply:

The Petitioner humbly submits the detailed working of depreciation in excel at Annexure-2 along with this reply, for the kind consideration of the Hon'ble Commission.

5. Interest on loan

The Petitioner mentioned about weighted average rate of interest as 9.87% and submitted Annexure E in this regard. In annexure E, the loan outstanding amount (O/S Bal) has been

considered for weighted average calculation. It is noted that the loan outstanding amount is matching with Note 18 of audited account (current borrowing). The petitioner shall explain how the figures are appearing same.

Reply:

The Petitioner submits the reconciliation of the loan balance shown in Annexure E of the main Petition along with the Audited Accounts in the table below:

<i>Amount in Rupees</i>	
Particulars	Amount
Total Loan from REC as shown in Annexure E	
REC	9,68,62,23,422
REC Supplementary	44,47,94,493
Total	10,13,10,17,916
Total Loan from REC as shown per Audited Accounts	
Long Term (Note-14)	9,13,25,26,420
Short Term (Note-18)	99,84,91,496
Total	10,13,10,17,916
Total Loan from PFC as shown in Annexure E	
PFC	11,67,40,74,358
Total	11,67,40,74,358
Total Loan from PFC as shown per Audited Accounts	
Long Term (Note-14)	10,84,02,11,908
Short Term (Note-18)	83,38,62,448
Total	11,67,40,74,356

Further, for the sake of clarity, it is important to highlight that the Short-Term Borrowing amount reflected in the audited books of accounts represents a Current Liability, i.e., the portion of long-term borrowings due for repayment within one year. It is respectfully submitted that this amount is merely a presentation entry for the principal portion of long-term borrowings scheduled for repayment in the next year. The Petitioner further clarifies that no short-term loan has been availed by the Petitioner.

6. Return on Equity

Addition in equity during the year (Sr No 2) may be checked by the Petitioner, it is not matching with the figures available in excel format.

Reply:

The Petitioner respectfully submits that the addition to equity during FY 2023-24 amounts to Rs. 25.14 crore, as reflected in the Tariff Formats (F10). However, due to an inadvertent typographical error, it has been incorrectly mentioned as Rs. 24.14 crore in the Petition. The Petitioner humbly requests the Hon'ble Commission to kindly consider the addition to equity for FY 2023-24 as Rs. 25.14 crore.

7. Income from other business

The Petitioner mentioned about OPGW leasing business. The details of revenue earned in this regard shall be submitted.

Reply:

The Petitioner respectfully submits that the revenue earned from the OPGW leasing business is disclosed under Note-23 (Other Income) of the Audited Books of Accounts, under the head *Telecom Services*.

8. ARR for true-up

The Petitioner mentioned the revenue billed during the year as Rs. 517.16 Cr, however, note 22 of audited account shows a different value. The variation may be explained.

Reply:

The Petitioner respectfully submits that the Revenue Billed during the year, as shown under Table-20 of the Petition, is equivalent to the Net Annual Revenue Requirement for FY 2023-24 approved by the Hon'ble Commission in its previous Order dated 21.03.2023. This is presented in this manner to calculate the Gap/(Surplus) for the financial year.

Further, the amount reflected in the audited books of accounts as Revenue from Operations is consistent with the Annual Transmission Charges for FY 2023-24 approved by the Hon'ble Commission in its Order dated 21.03.2023. The relevant abstract of the same is reproduced below:



Table 6.35: Annual Transmission Charges approved for FY 2023-24
(Rs. Crore)

Sl. No.	Particulars	Projected by BGCL for FY 2023-24	Approved for FY 2023-24
1	Aggregate Revenue Requirement approved for FY 2023-24	626.79	517.16
2	Add: True up revenue Surplus of FY 2021-22 with carrying cost	(223.59)	(297.76)
3	Annual Transmission charges for FY 2023-24 (1+2)	403.20	219.38

The Commission accordingly, approves the Annual Transmission charges at Rs.219.38 crore for FY 2023-24 as given in the above Table.

9. Additional point

The Petitioner shall submit the trial balance of FY 2023-24 and first six month of FY 2024-25 in excel sheet. For FY 2024-25, first six months asset-liability and revenue -expenditure shall also be submitted.

Reply:

The Petitioner submits the trial balance for FY 2023-24 and the first six months of FY 2024-25 in Excel sheets as **Annexure-3** and **Annexure-4**, respectively, along with the FY 2024-25 Q2 Unaudited Financial Results as **Annexure-5** and excel copy of Financial Statement for FY 2024-25 (April to September) as **Annexure-6**, for the kind consideration of the Hon'ble Commission.

APR for FY 2024-25

10. Transmission Losses

The petitioner shall submit the 6 months (April to Sept 2024) transmission loss data with supporting documents.

Reply:

The Petitioner submits the details of transmission loss for April'24 to September'24 attached as **Annexure-7**.

11. Schedule of capitalization

The Petitioner has provided the expected data of capitalization in table 21-23. The present status of each project shall be submitted. The Petitioner has not submitted any progress on ABT

metering, which was supposed to be completed in FY 2023-24. The status of the same may be submitted.

Reply:

The Petitioner submits the current status of each project, which is expected to be attain DOCO in FY 2024-25 is detailed in the tables below:

For the FY 2024-25 Phase IV (Part 2 of 2)

S. No.	Transmission Element	Date of Commissioning/ Likely Commissioning	Current Status
Transmission Lines			
1.	132 kV LILO of Purnea - Naugachiya line at Katihar	FY 2024-25	Cable laying work of route length between Dead-end tower to Gantry tower (Approx 400 mtr.) is under progress. Overhead line completed and charged.
2.	132 kV D/C Naubatpur - Paliganj D/C Line	FY 2024-25	Line is completed and charged for Anti-theft.
Bay Extension Works			
3.	132 kV Bay Extension at Katihar	FY 2024-25	Bay extension termination of cable is pending.
4.	132 kV Bay Extension at Paliganj	FY 2024-25	Bay equipment foundation is under progress.

For the FY 2024-25 Phase IV (Supplementary)

S. No.	Transmission Element	Date of Commissioning/ Likely Commissioning	Current Status
1.	400 kV Bus Reactor at Jakkanpur along with 02 Nos 400 kV GIS Bay	FY 2024-25	EHV and scheme Testing & commissioning activities is under progress.
2.	220/132 kV Transformer at Amnour	FY 2024-25	Scheme Testing & commissioning activities completed. Approval for charging is awaited.

Further, Petitioner submits that during FY 2023-24, an amount of Rs. 5.84 crore has been capitalized towards ABT metering.

12. Employee expenses

The Petitioner has not projected the O&M expenses for FY 2024-25 on the basis of FY 23-24 expenses, after sharing of gain/loss. This is deviation to procedure approved by the Commission in last order. The petitioner to clarify the same.

Reply:

The Petitioner respectfully submits that Regulation 21 of the Tariff Regulations 2021 outlines the mechanism for determining Operations and Maintenance (O&M) Expenses for the Transmission Licensee. The Regulations provide for O&M Expenses based on norms to be set at the beginning of the Control period. However, the Petitioner was unable to propose this during the MYT filing for the FY 2021-24 period due to the ongoing capital works, which prevented certainty in O&M Expenses. This can be observed from the variation in O&M items relative to GFA during FY 2018-23, as shown below:

(in Rs. Crore)

Particular	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23
Employee Expense	8.66	4.31	11.29	14.94	19.98
R&M Expense	6.07	8.52	20.46	20.69	25.56
A&G Expense	3.71	3.04	6.95	6.26	8.84
Total O&M Expense	18.33	15.87	38.70	41.90	54.38
Gross GFA (as per accounts)	1510.41	1781.99	2078.02	2356.34	2882.35

The Petitioner submits that the variation in O&M Expenses does not follow a contiguous trend to align within the normative framework. Additionally, the Hon'ble Commission has recognized a similar issue regarding O&M Expenses claimed by BGCL during the True-up of FY 2018-19. The relevant extracts from the Order dated 20.03.2020 in the matter of Truing Up for FY 2018-19, APR for FY 2019-20, ARR, and Transmission Charges for FY 2020-21 are as follows:

"The Commission in Tariff Order dated 20.03.2020 (Para 7.8) had opined to determine the O&M norms for the next control period (i.e. from FY 2022-23 onwards) as the parameters required for determination of O&M norms i.e. No. of substations, No. of bays, length of lines in Ckt KM, etc. and full operational O&M expenses were not available and the same could be arrived after the capitalisation and commissioning of the assets (Phase IV Part 1 of 2, Phase IV Part 2 of 2 and supplemental works) which are spread over the Control period of FY 2019-20 to FY 2021-22."

The Petitioner has claimed O&M expenses based on actuals, following the methodology adopted by the Hon'ble Commission in the aforementioned Order. However, in its Order dated 25.03.2022, the Commission opined that O&M expenses, being a controllable factor, should be allowed based on norms, and in the absence of such norms, approved O&M expenses as per the respective year's tariff order.

It is also noted that the O&M expenses approved during the ARR for FY 2023-24 were based on actual O&M expenses for FY 2021-22, with escalations in line with regulatory provisions. However, in FY 2023-24, the closing GFA increased substantially from Rs. 2,339.46 Crore (FY 2021-22) to Rs. 3,008.09 Crore. The escalation methodology provided in the Regulations is designed to account for inflation when projects are capitalized, not for increases in capitalized assets.

In light of the above, the Petitioner respectfully requests that the Hon'ble Commission approve O&M expenses as per the audited accounts for FY 2023-24 and refrain from applying the sharing of losses/(gains), as there would be no case of gain/loss due to expenses being allowed at actuals and the same may be used to project the O&M expenses for FY 2024-25.

13. R&M Expenses

The Petitioner has considered a K Factor for projecting R&M, which is not as per the approved K factor under MYT order. The reason for deviation of not considering approved K factor may be submitted.

Reply:

In continuation of the reasons mentioned under point 12 above, which are not repeated here for the sake of brevity, the Petitioner submits that it has considered the K Factor in line with the approach adopted by the Hon'ble Commission (vide Order dated 25.03.2022) while determining the ARR for FY 2022-23. The K Factor has been derived based on the actual R&M expenses against the actual GFA for the past three years, i.e., FY 2021-22, FY 2022-23, and FY 2023-24, as this approach provides a more accurate representation of the R&M expenses.



MYT ARR for FY 2025-26 to FY 2027-28 and Tariff for FY 2025-26

14. Capitalization for FY 2025-26

In table No 45 and 46, para 6.3, the Petitioner mentioned about different projects to be capitalized in FY 2025-26. However, in capitalization (table 47 and format F5(d,e), scheme wise capitalization details are not provided. The petitioner shall submit the scheme wise capitalization.

Further, in page 74, it is mentioned that ABT meters are to be commissioned with an overall outlay of Rs. 21.74 Crore for the FY 2025-26. However, in Format 5(d,e), the approved cost of ABT meter is mentioned as Rs 12.06 Cr. The discrepancy should be explained.

Reply:

The Petitioner submits that the scheme wise capitalization detail shall be provide to the Hon'ble Commission during the truing-up of the respective years once the assets have attained Commissioning.

Further, the Petitioner submits that the Hon'ble Commission, vide its Order dated 21.03.2023, had approved Rs. 12.05 crore towards ABT meter installation, against which a total capitalization of Rs. 5.84 crore has been achieved under Phase 1 as of date. Initially, the Petitioner had planned to install ABT meters only on 33 kV feeder connection point, based on which approval was sought from the Hon'ble Commission. However, the Petitioner is now required to install ABT meters at additional connection points, which has increased the overall requirement for ABT meters.

In view of this, the Petitioner is planning to undertake Phase 2 of the ABT meter installation, estimated at Rs. 21.74 Crore, which has been claimed for FY 2025-26. The Hon'ble Commission is requested to approve the same.

15. R&M expenses

In Table 53, the Petitioner derived the Kb factor as 0.99%; however, in table 54, while projecting the R&M expenses the same factor is considered as 1.01%. The Petitioner should submit the correct value in this regard.

Reply:

The Petitioner humbly submits that, while presenting the computation of the Kb factor for projecting the R&M expenses, an inadvertent error was made in the computation under Table-



53. The corrected computation of the Kb factor is provided in the table below for the kind consideration of the Hon'ble Commission.

(Amount in Crore)

Sr.No.	Particulars	FY 2021-22	FY 2022-23	FY 2023-24
1	Opening GFA	2882.35	2356.34	2079.02
2	Less: Opening Value of Land	58.10	58.10	58.10
3	Net Opening (1-2)	2824.26	2298.24	2020.93
4	R&M Expenses	26.62	25.32	19.89
5	% of R&M Expenses to GFA (4/3)*100	0.942%	1.102%	0.984%
6	Average % of R&M expenses to GFA - "Kb" factor	1.010%		

16. WPI

The Petitioner has not mentioned any WPI inflation for FY 23-24 in Table 55. The petitioner shall explain how the average rate of 7.47% is derived?

Reply:

The Petitioner respectfully submits that, as per Regulation 21(g) of the BERC (Multi-Year Transmission Tariff and SLDC Charges) Regulations, 2021, if the average yearly inflation derived from the monthly CPI and WPI indices is negative for a particular year, it shall be excluded from the computation of yearly inflation. The relevant excerpt from the Regulation is reproduced below:

"21. Operation and Maintenance Expenses

.....
 (g) The norms shall be determined at constant prices of base year and escalation on account of inflation shall be over and above the baseline.
 Provided that for the purpose of escalation based on Wholesale Price Index(WPI) and Consumer Price Index(CPI), WPI is to be computed based on the average yearly inflation derived based on the monthly Wholesale Price Index of the respective past three financial years (including the year of Truing-up) as per the Office of Economic Advisor Ministry of Commerce & Industry Government of India and CPI is to be computed based on the average yearly inflation derived based on the monthly Consumer Price Index for Industrial Workers (all-India) of the respective past three financial years (including the year of Truing-up) as per the Labour Bureau Government of India, at the time of filing of Petition.
 Provided that in case the average yearly inflation derived based on the monthly CPI and WPI indices is negative for a particular year, the same will be excluded from the computation of yearly inflation."

In accordance with the above provisions, the average yearly inflation for WPI in FY 2023-24 has been computed as -0.73%. As this value is negative, it has been excluded from the computation of the 3-year average for the past three financial years which results in 7.47%.

17. Return on Equity

In Table 57, page no 74, the Petitioner calculated the RoE for assets commissioned on or after 01.04.2026. The date mentioned in the Petitioner may be corrected considering the control period starts from FY 2025-26. The Petitioner should provide the reason for considering the income tax rate of 25.17%, considering that the actual tax liability is nil. It was noted that the petitioner in last year proposed tax rate equal to 17.47%.

Reply:

The Petitioner humbly submits that the claim is in accordance with Regulation 27(2) of the BERC (Multi-Year Transmission Tariff and SLDC Charges) Regulations, 2021. This regulation specifies that the effective tax rate shall be computed at the beginning of each financial year, based on the estimated profit and the tax liability as per the provisions of the relevant Finance Act applicable for that financial year. For clarity, the relevant excerpt from the regulation is reproduced below:

"27. Tax on Return on Equity

.....

2) Rate of return on equity shall be rounded off to two decimal places and shall be computed as per the formula given below:

Rate of pre-tax return on equity = Base rate / (1-t)

Where "t" is the effective tax rate in accordance with Clause (1) of this regulation and shall be calculated at the beginning of every financial year based on the estimated profit and tax to be paid estimated in line with the provisions of the relevant Finance Act applicable for that financial year to the company on pro-rata basis by excluding the income of non-SLDC or non-transmission business, as the case may be, and the corresponding tax thereon. In case of licensee/SLDC paying Minimum Alternate Tax (MAT), "t" shall be considered as MAT rate including surcharge and cess."

Additionally, the approach adopted by the Petitioner aligns with the methodology followed by the Hon'ble Commission in its Order dated 01.03.2024. In the said Order, for the truing-up of FY 2022-23, where the actual tax paid was nil, the Hon'ble Commission approved the effective tax rate for both the APR (FY 2023-24) and ARR (FY 2024-25) in line with the claims made by the



Petitioner. For reference, the relevant excerpt from the Hon'ble Commission's Order is reproduced below:

Table 4.17: Return on Equity approved in truing up for FY 2022-23 (Rs. Crore)

Sl. No.	Particulars	Approved in Tariff Order dated 25.03.2022	Claimed by BGCL for FY 2022-23 in truing up	Now approved for FY 2021-22 in true up
1	Equity	490.21	467.05	423.37
2	Add: Equity During the year	60.38	122.15	109.02
3	Closing equity balance (1+2)	550.59	589.20	532.39
4	Average equity $\{(1+3)/2\}$	520.40	528.12	477.88
5	Rate of return on equity (RoE) %	15.50%	15.50%	15.50%
6	Tax on RoE %	25.17%	--	--
7	Pre-tax Rate of Return on equity $(5/(1-6))$ %	20.71%	15.50%	15.50%
8	Return on Equity (4*7)	107.77	81.86	74.07

Table 5.14: Return on Equity considered for FY 2023-24 in review (Rs. Crore)

Sl. No.	Particulars	Approved for FY 2023-24 in Tariff order dated 21.03.2023	Projected by BGCL for FY 2023-24 (RE)	Approved in review for FY 2023-24
1	Opening Equity	646.43	589.20	532.39
2	Add: Equity During the year	46.55	192.88	149.22
3	Closing equity balance (1+2)	692.98	782.07	681.61
4	Average equity $\{(1+3)/2\}$	669.70	685.64	607.00
5	Base Rate of Return on equity %	15.50%	15.50%	15.50%
6	Tax Rate	14.99%	17.47%	17.47%
7	Pretax Rate of Return on equity % $\{(5)/(1-(6))\}$	18.23%	18.78%	18.78%
8	Return on Equity (4*7)	122.11	128.77	114.00

Table 5.14: Return on Equity considered for FY 2023-24 in review (Rs. Crore)

Sl. No.	Particulars	Approved for FY 2023-24 in Tariff order dated 21.03.2023	Projected by BGCL for FY 2023-24 (RE)	Approved in review for FY 2023-24
1	Opening Equity	646.43	589.20	532.39
2	Add: Equity During the year	46.55	192.88	149.22
3	Closing equity balance (1+2)	692.98	782.07	681.61
4	Average equity $\{(1+3)/2\}$	669.70	685.64	607.00
5	Base Rate of Return on equity %	15.50%	15.50%	15.50%
6	Tax Rate	14.99%	17.47%	17.47%
7	Pretax Rate of Return on equity % $\{(5)/(1-(6))\}$	18.23%	18.78%	18.78%
8	Return on Equity (4*7)	122.11	128.77	114.00

Further, the Petitioner submits that it has considered an effective tax rate of 25.17% in accordance with Section 115BAA of the Income Tax Act, 1961. This section offers domestic companies the benefit of a reduced corporate tax rate, allowing them to opt for a base rate of 22%, supplemented by a 10% surcharge and a 4% cess, culminating in an effective tax rate of 25.17%. Furthermore, the date mentioned under Para 6.10 and Table-57 of the main Petition may be read as 01.04.2025 instead of 01.04.2026.

18. Carrying cost

The details of interest rate considered for carrying cost should be submitted.

Reply:

The Petitioner humbly submits that it has adopted the same methodology as followed by the Hon'ble Commission in its Order dated 01.03.2024. In that Order, the Hon'ble Commission considered the Rate of Interest for the truing-up year to be the 1-year average SBI MCLR plus 150 basis points, and for the APR and ARR years, it considered the latest SBI MCLR available at the time of filing the tariff petition, also plus 150 basis points. For reference, the relevant excerpt from the Hon'ble Commission's Order is reproduced below:

The Commission, in terms of regulation 13 (f) has carried forward the consolidated revenue gap along with carrying cost in the ARR of FY 2024-25

The Commission has considered carrying cost

- a. @ 9.30% (SBI MCLR 7.80% plus 150 basis points) for half year of FY 2023-24
- b. @10.05% (SBI MCLR 8.55% plus 150 basis points) for full year of FY 2023-24 and
- c. @10.05% for half year of FY 2024-25

In light of the above, the Petitioner has considered an interest rate of 10.48% for FY 2023-24, based on the weighted average SBI MCLR of 8.98% plus 1.50%. Similarly, for FY 2024-25 and FY 2025-26, the interest rate has been considered at 10.45%, derived from the SBI MCLR of 8.95% as on 15.10.2024, plus 1.50%.



19. Directives - summary report

The Petitioner submitted that: "The details of physical progress of the ongoing schemes will be submitted during the course of instant proceedings." However, the Commission directed to submit the information bi-yearly. The Petitioner should submit the details without fail.

Reply:

The Petitioner acknowledges the Hon'ble Commission's direction to submit the details of the physical progress of ongoing schemes on a bi-yearly basis. The Petitioner shall endeavor to adhere to this directive and will make its best efforts to provide the required information in a timely manner.

20. Directives - energy audit

The Petitioner mentioned about submission of monthly energy audit data in Annexure I. However, the certificate provided by SLDC having only loss figure without any details of energy accounting. The Petitioner may provide the energy audit data having monthly energy accounting report certified by SLDC.

Reply:

The Petitioner submits the relevant documents sought by the Hon'ble Commission as Annexure-8.

Business Plan for FY 2025-26 to FY 2027-28

21. Business Plan

As per BERC (Multi Year Transmission Tariff and SLDC Charges) Regulations 2024, the Business plan should contain the following:

"5.2 Such Business Plan shall comprise but not be limited to infrastructure requirement commensurate with load growth forecast and demand projections, capital investment plan, financing plan and physical targets."

It is noted that the petitioner had not submitted the Business Plan in line with the provisions under BERC MYT Transmission Regulations 2024. The Chapter No 5 titled Business Plan for Control Period of Petition merely provides O&M expenses norms, and other financial norms which are



required for ARR determination of MYT period. The petitioner shall submit explanation for not submitting the Business Plan as per provisions in the Regulations.

Reply:

The Petitioner respectfully submits that, as of the date of filing this Petition, no new work has been awarded. Consequently, no additional capital investment has been proposed in this Petition. However, should any new work be awarded in the future, the Petitioner, BGCL, will seek the necessary approvals in accordance with the applicable regulations.

Additionally, the Petitioner submits that certain items of the ongoing capital works have spilled over into the Control Period (FY 2025-26 to FY 2027-28), particularly in FY 2025-26, due to circumstances beyond the Petitioner's control. This matter has been addressed in detail in the relevant section of the main Petition.

22. Capital investment plan

The Petitioner has not proposed any new additional capital investment during the control period Regulation 5.3 of MYT Transmission Regulations. 2024 has mentioned about projects that will spill into the year(s) under review. The Regulations is reproduced below:

"5.3 The Transmission Licensee or SLDC, as the case may be, shall make assessment of infrastructure requirement and prepare capital investment plan in accordance with BEREC (Procedure for Filing Capital Investment and Capitalization Plan) Regulations, 2018, as amended from time to time that will spill into the year(s) under review and new projects that will commence and may be completed within or beyond the control period."

The petitioner shall also propose Capital Investment Plan for the Control Period in case no new capital investment has been envisaged at this stage, the petitioner shall project the on-going capital work / capitalization that may spill into the control period duration (FY 2025-26 to FY 2027-28).

Reply:

The Petitioner respectfully submits that, as of the date of filing this Petition, no new work has been awarded. Consequently, no additional capital investment has been proposed in this Petition. However, should any new work be awarded in the future, the Petitioner, BGCL, will seek the necessary approvals in accordance with the applicable regulations.



Additionally, the Petitioner submits that certain items of the ongoing capital works have spilled over into the Control Period (FY 2025-26 to FY 2027-28), particularly in FY 2025-26, due to circumstances beyond the Petitioner's control. This matter has been addressed in detail in the relevant section of the main Petition.

23. Employee expenses

The Petitioner has derived the norms in terms of number of personnel per ckt/km and number of personal per bay along with annual expenses per personnel for Employee expenses. The Petitioner submitted that the Employees engaged towards Bays & Transmission line is in the ratio of 90:10. The assumption for arriving the employment engagement ratio shall be submitted. It has been noted that the base norm for annual expenses per personnel (0.20 Cr) has been arrived by escalating the annual expenses per personnel by 7.14%. The petitioner shall explain the rationale for considering the escalation rate of 7.14%, given that the Regulations provides that the Employee cost shall be computed as per the approved norm escalated by consumer price index (CPI). The petitioner shall also explain the reasons for high annual expenses per personnel.

Reply:

The Petitioner respectfully submits that the 90:10 ratio for bifurcation of Employee Expenses towards Bays and Transmission Lines has been derived based on the actual deployment of personnel by the Petitioner for managing and maintaining the respective assets. This allocation reflects the operational requirements, where a significant portion of personnel is engaged in activities related to Bays, given their higher operational and maintenance intensity compared to Transmission Lines.

Further, the Petitioner submits that the escalation rate of 7.14%, as shown in Table-37 of the main Petition, is derived as the Compound Annual Growth Rate (CAGR) of annual expenses per personnel over the last three years (FY 2021-22 to FY 2023-24). CAGR has been adopted because it provides a reliable and prudent measure of growth, smoothing out short term fluctuations and capturing the overall trend in employee expenses. This approach ensures a consistent and realistic projection for base norms.

The Petitioner further clarifies that while CAGR has been used to compute the base norm, compliance with the Regulations has been ensured. Accordingly, for estimating Employee



Expenses, the Consumer Price Index (CPI) has been applied as shown in Table 52 of the main Petition.

24. R&M expenses

The Petitioner has derived the Kb factor in terms of opening GFA, The Kb factor derived in terms of Commission approved GFA may be submitted.

Reply:

The Petitioner respectfully submits that the Kb factor has been derived based on the opening GFA reflected in the audited accounts. Considering actual figures from audited accounts provides a more accurate and prudent basis for determining the Kb factor, as it reflects the true financial position and ensures transparency. The Petitioner, therefore, requests the Hon'ble Commission kindly consider the Kb factor derived from the actual numbers as per the audited accounts, as claimed by the Petitioner, to ensure a realistic and fair assessment.

25. A&G expenses

The formulae written in second column for Sr No 4 and 5 appear incorrect. The petitioner may review and rectify the same.

Reply:

The Petitioner respectfully submits Table-43, updated with the correct formula in column 3 (Formula), for the kind consideration of the Hon'ble Commission.

Sr. No.	Particulars	Formula	FY 2023-24	FY 2022-23		norm
1	No. of Employees	A	81	95	88	
2	No. of Bays					
a	Total No. of BGCL Bay	C	227	215	207	
b	Total No. of BGCL Bay on Other's Premises	D	40	40	40	
c	Total No. of Other's Bay on BGCL Premises	E	9	9	3	
d	No. of Bay on which considered	$F = C - D + E$	196	184	170	

Sr. No.	Particulars	Formula	FY 2025-26	FY 2026-27	FY 2027-28		norm
	for Employee Expense						
3	Administrative Expenses (Rs. Crore)	G	10.60	9.07	7.05		
4	Administrative Expenses per personal (7%)	$H = G \times 7\% / A$	0.0089	0.0065	0.0055	27.80%	0.0114
5	Administrative Expenses per Bay (93%)	$I = G \times 93\% / F$	0.0504	0.0459	0.0386	14.19%	0.0575

26. Transmission loss

The Petitioner has not shown any improvement in trajectory of loss reduction. The current loss is much lower than the projected transmission loss over FY 2025-26 to FY 2027-28. The petitioner shall justify the same.

Reply:

The Petitioner respectfully submits that while every effort is being made to maintain transmission losses at an optimal level, it is recognized that managing and further reducing transmission losses becomes increasingly challenging as the transmission assets age. Aging infrastructure requires additional maintenance and upgrades to sustain performance levels, and the incremental improvements in loss reduction become difficult to achieve.

The Petitioner the projected transmission loss trajectory for FY 2025-26 to FY 2027-28 has been prudently determined, considering the expected asset aging, network expansion, and associated challenges in maintaining consistent loss levels over time.

The Petitioner remains committed to implementing measures to control and minimize transmission losses to the extent technically and economically feasible, in line with best practices and regulatory requirements.



List of Annexures

Annexure Number	Details	Copy
Annexure 1	Month wise Availability for FY 2023-24	Hard Copy
Annexure 2	Deprecation Working	Soft Copy
Annexure 3	Trial Balance – FY 2023-24	Soft Copy
Annexure 4	Trial Balance – FY 2024-25 (April to September)	Soft Copy
Annexure 5	BGCL Financial Results - FY 2024-25 (April to September)	Hard Copy
Annexure 6	Financial Statement – FY 2024-25 (April to September)	Soft Copy
Annexure 7	Transmission Loss – FY 2024-25 (April to September)	Hard Copy
Annexure 8	Loss Accounting Report – FY 2023-24	Hard Copy





Bihar State Power Transmission Company Ltd., Patna
A subsidiary company of Bihar State Power (Holding) Company Ltd., Patna
CIN - U74110BR2012SGC018889
[SAVE ENERGY FOR BENEFIT OF SELF AND NATION]
Head Office, Vidyut Bhawan, Bailey Road, Patna -800021,
Email address - sldc.dept@bsptcl.bihar.gov.in Website - www.bsptcl.in

Letter No.....
CE(SO)/SLDC/TAFM BGCL/21/2023

Date.....

From,

Sri A. K. Chaudhary
Chief Engineer (System Operation)
BSPTCL, Patna

To,

Sr. GM (O&M / Commercial)
Bihar Grid Company Limited
2nd floor, Alankar place, Boring Road
Patna, 800001

Sub:- Transmission System Availability Certificate for BGCL for the month April -2023.

Ref: - (i) JV/PT/BG/O&M/Availability/April '23/233 dated 04.04.2023

Sir,

With reference to the above, SLDC has received the computation of transmission system availability with interruption details of Transmission network for the month April-2023, computed in accordance with the BERC (Multi Year Transmission Tariff) Regulations, 2021.

The overall Transmission System Availability of the Transmission network for the month April-2023, computed in accordance with Appendix-II of the BERC (MYT) Regulations, 2021 and after considering the provisions of BERC (MYT) Regulations, 2021 is **99.02 %**.

Yours faithfully

Sd/-

(A. K. Chaudhary)
Chief Engineer (System Operation)
Dated... 19.04.2023

347
Memo No.....

Copy forwarded to Chief Engineer (Commercial), SBPDCL, Patna / Chief Engineer (Commercial) NBPDC, Patna / Chief Engineer (PMC) BSPHCL, Patna for kind information.

(A. K. Chaudhary)
Chief Engineer (System Operation)

7



Bihar State Power Transmission Company Ltd., Patna

A subsidiary company of Bihar State Power (Holding) Company Ltd., Patna

CIN – U74110BR2012SGC018889

[SAVE ENERGY FOR BENEFIT OF SELF AND NATION]

Head Office, Vidyut Bhawan, Bailey Road, Patna -800021,

Email address - slde.dept@bsptcl_bihar.gov.in

Website - www.bsptcl.in

Letter No.....

CE(SO)/SLDC/TAFM/BGCL/21/2023

Date.....

From,

Sri A. K. Chaudhary
Chief Engineer (System Operation)
BSPTCL, Patna

To,

Sr. GM (O&M / Commercial)
Bihar Grid Company Limited
2nd floor, Alankar place, Boring Road
Patna, 800001

Sub:- Transmission System Availability Certificate for BGCL for the month May -2023.

Ref: - (i) JV/PT/BG/O&M/Availability/May'23/327 dated 01.06.2023

Sir,

With reference to the above, SLDC has received the computation of transmission system availability with interruption details of Transmission network for the month May-2023, computed in accordance with the BERC (Multi Year Transmission Tariff) Regulations, 2021.

The overall Transmission System Availability of the Transmission network for the month May-2023, computed in accordance with Appendix-II of the BERC (MYT) Regulations, 2021 and after considering the provisions of BERC (MYT) Regulations, 2021 is 99.82 %.

Yours faithfully**

Sd/-

(A. K. Chaudhary)

Chief Engineer (System Operation)

Dated..... 08-06-23

Memo No.....

395
Copy forwarded to Chief Engineer (Commercial), SBPDCL, Patna / Chief Engineer (Commercial) NBPDC, Patna / Chief Engineer (PMC) BSPHCL, Patna for kind information.

(A. K. Chaudhary)

Chief Engineer (System Operation)

7



Bihar State Power Transmission Company Ltd., Patna

A subsidiary company of Bihar State Power (Holding) Company Ltd., Patna

CIN U74110BR2012SGC018889

[SAVE ENERGY FOR BENEFIT OF SELF AND NATION]

Head Office, Vidyut Bhawan, Bailey Road, Patna - 800021,

Email address - sldc.dept@bptclbihar.gov.in Website - www.bspctl.in

Letter No.....

CL/SC/SLDC/TA/MBGCL/21/2023

Date.....

From,

Sri A. K. Chaudhary
Chief Engineer (System Operation)
BSPTCL, Patna

To,

Sr. GM (O&M / Commercial)
Bihar Grid Company Limited
2nd floor, Alankar place, Boring Road
Patna, 800001

Sub:- Transmission System Availability Certificate for BGCL for the month June -2023.

Ref: - (i) JV/PT/BG/O&M/Availability/June '23/378 dated 01.07.2023

Sir,

With reference to the above, SLDC has received the computation of transmission system availability with interruption details of Transmission network for the month June-2023, computed in accordance with the BEREC (Multi Year Transmission Tariff) Regulations, 2021.

The overall Transmission System Availability of the Transmission network for the month June-2023, computed in accordance with Appendix-II of the BEREC (MYT) Regulations, 2021 and after considering the provisions of BEREC (MYT) Regulations, 2021 is **99.92 %**.

Yours faithfully

Sd/-

(A. K. Chaudhary)

Chief Engineer (System Operation)

Dated..07-07-23.

Memo No.....

468

Copy forwarded to Chief Engineer (Commercial), SBPDCL, Patna / Chief Engineer (Commercial) NBPDCI, Patna / Chief Engineer (PMC) BSPHCL, Patna for kind information.

(A. K. Chaudhary)

Chief Engineer (System Operation)

Bihar State Power Transmission Company Ltd., Patna
A subsidiary company of Bihar State Power (Holding) Company Ltd., Patna
CIN U74110BR2012SGC018889
[SAVE ENERGY FOR BENEFIT OF SELF AND NATION]
Head Office, Vidyal Bhawan, Bailey Road, Patna -800021,
Email address info@bsptclbihar.gov.in Website www.bsptcl.in

Letter No.
CLOSED BY ANS/.....

Date.....

From,

Chief Engineer (System Operation)
BSPTCL, Patna

To,

Sr. GM (O&M/ Commercial)
Bihar Grid Company Limited
2nd floor, Alankar place, Boring Road
Patna, 800001

Sub:-Transmission System Availability Certificate for BGCL for the month July-2023.

Ref :- BPT BG O&M Availability July'23 435 dated 04.08.2023

Sir,

With reference to the above, SLDC has received the computation of transmission system availability with interruption details of Transmission network for the month July-2023, computed in accordance with the BERC (Multi Year Transmission Tariff) Regulations, 2021.

The overall Transmission System Availability of the Transmission network for the month July-2023, computed in accordance with Appendix-II of the BERC (MYT) Regulations, 2021 and after considering the provisions of BERC (MYT) Regulations, 2021 is 97.14 %.

Yours faithfully

Sd/-

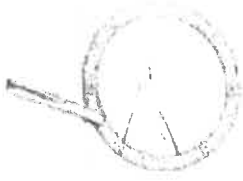
Chief Engineer (System Operation)
BSPTCL.

Dated 10-08-23.

Memo No. 545

Copy forwarded to Chief Engineer (Commercial), SBPDCL, Patna Chief Engineer (Commercial) NBPDC L, Patna Chief Engineer (PMC) BSPTCL, Patna for kind information.

Chief Engineer (System Operation)
BSPTCL



Bihar State Power Transmission Company Ltd., Patna
A subsidiary company of Bihar State Power (Holding) Company Ltd., Patna
CIN - U74110BR2012SGC 018889
[SAVE ENERGY FOR BENEFIT OF SELF AND NATION]
Head Office, Vidyut Bhawan, Bailey Road, Patna -800021,
Email address - dept@bspctl Bihar .gov.in Website - www.bspctel.in

Letter No.....
CL/SP/SLDC/ADM/REG/CLM/2023

Date.....

From,

Chief Engineer (System Operation)
BSPCTCL, Patna

To,

Sr. GM (O&M/ Commercial)
Bihar Grid Company Limited
2nd floor, Alankar place, Boring Road
Patna, 800001

Sub:-Transmission System Availability Certificate for BGCL for the month August-2023.

Ref: - (i) JV PT BG O&M Availability August '23 540 dated 19.09.2023
(ii) JV PT BG O&M Availability August '23 549 dated 22.09.2023

Sir,

With reference to the above, SLDC has received the computation of transmission system availability with interruption details of Transmission network for the month August-2023, computed in accordance with the BERC (Multi Year Transmission Tariff) Regulations, 2021.

The overall Transmission System Availability of the Transmission network for the month August-2023 after considering the provisions of BERC (MYT) Regulations, 2021 is **93.30 %**.

The availability is computed considering complete outage of 220 KV DC Havelikhargpur-Goradih transmission line, as no relevant document has been submitted for considering it under Force-Majure from 20.7.2023 as per BERC (MYT) regulations 2021.

Yours faithfully

Sd/-

Chief Engineer (System Operation)
BSPCTCL

Dated

27-09-23

Memo No. 667

Copy forwarded to Chief Engineer (Commercial), SBPDCL, Patna - Chief Engineer (Commercial) NBPDCCL, Patna - Chief Engineer (PMC) BSPHCL, Patna for kind information

Chief Engineer (System Operation)
BSPCTCL



Bihar State Power Transmission Company Ltd., Patna
A subsidiary company of Bihar State Power (Holding) Company Ltd., Patna
CIN - U74110BR2012SGC 018889
[SAVE ENERGY FOR BENEFIT OF SELF AND NATION]
Head Office, Vidyut Bhawan, Bailey Road, Patna - 800021.
Email address - scdept@bspctcl.bihar.gov.in Website - www.bspctcl.in

Letter No.....

CL/CS/SLDC/TA/EN/REGD/01/2023

Date.....

From,

Chief Engineer (System Operation)
BSPTCL, Patna

To,

Sr. GM (O&M/ Commercial)
Bihar Grid Company Limited
2nd floor, Alankar place, Boring Road
Patna, 800001

Sub:-Transmission System Availability Certificate for BGCL for the month October-2023

Ref: - (i) JV/PT/BG/O&M/Availability October '23 650 dated 13.11.2023

Sir,

With reference to the above, SLDC has received the computation of transmission system availability with interruption details of Transmission network for the month October-2023, computed in accordance with the BERC (Multi Year Transmission Tariff) Regulations, 2021.

The overall Transmission System Availability of the Transmission network for the month October-2023 after considering the provisions of BERC (MYT) Regulations, 2021 is **95.49 %**.

The availability is computed considering total outage of 220 kV D/C Havelkhariptar Goradih transmission-line in October 2023, as no relevant document has been submitted for considering it under Force-Majure from 20.7.2023 as per BERC (MYT) regulations, 2021

Yours faithfully



14.11.23



Bihar State Power Transmission Company Ltd., Patna
 A subsidiary company of Bihar State Power (Holding) Company Ltd., Patna
 CIN – U74110BR2012SGC018889
 [SAVE ENERGY FOR BENEFIT OF SELF AND NATION]
 Head Office, Vidyut Bhawan, Bailey Road, Patna -800021,
 Email address – sa Dept@bsptcl@bihar.gov.in Website www.bsptcl.in

Letter No.....

Date.....

CE/SGM/IN/TA/PM/BSPTCL/71/2023

From,

Chief Engineer (System Operation)
 BSPTCL, Patna

To,

Sr. GM (O&M: Commercial)
 Bihar Grid Company Limited
 2nd floor, Alankar place, Boring Road
 Patna, 800001

3/24

Sub-Transmission System Availability Certificate for BGCI for the month of Jan., 2024.

Ref: *File No. 35, 223, M, 2024, Bihar State Power Transmission Co. Ltd. Patna, 800001.*

Sir,

With reference to the above, BSPTCL has received the requirement of transmission system availability with interruption details for the month January-2024, as per the BEEM (2021) Regulations. 2021.

The overall transmission system availability of the transmission network for the month February-2023, the reported availability is 99.76% as per BEEM (2021) Regulations, 2021 and after considering the provisions as per BEEM (2021) Regulations, 2021 is 99.76%.

Yours faithfully,

Chief Engineer (System Operation)
 BSPTCL



R.M. ASSOCIATES
CHARTERED ACCOUNTANTS

401, City Heart Apartment, Budh Marg, Patna-800 001: Tel.:0612-2235748, 0612-2232412
(Mobile) 9334390386, E-mail: rmassociates_pat@yahoo.co.in, matirahman960@gmail.com

Branches at: Delhi, Mumbai, Kolkata, Ranchi, and Bokaro : Website : www.rmaindia.net

Review report to **BIHAR GRID COMPANY LIMITED**

We have reviewed the accompanying statement of unaudited financial results of **Bihar Grid Company Limited** a Joint venture of Bihar State Power (Holding) Company Limited and POWERGRID for the quarter and half year ended 30th September 2024. This statement is the responsibility of the Company's Management and has been approved by the same. Our responsibility is to issue a report on these financial statements based on our review.

We conducted our review of the Statement in accordance with the Standard on Review Engagements (SRE) 2410 "Review of Interim Financial Information Performed by the Independent Auditor of the Entity", issued by the Institute of Chartered Accountants of India. This Standard requires that we plan and perform the review to obtain moderate assurance as to whether the financial statements are free of material misstatements. A review is initiated primarily to inquire of company personnel and analytical procedure applied to financial data and thus provides less assurance an Audit. We have not performed an audit and accordingly, we don't express an Audit opinion.

Based on our review conducted as above, nothing has come to our attention that causes us to believe that accompany statements of Unaudited Financial Results prepared in accordance with applicable accounting standards and other recognised practices and policies has not disclosed the information required to be disclosed in term of Regulation 33 of the SEBI (Listing Obligations & Disclosure Requirements) Regulations, 2015 including the manner in which it is to be disclosed, or that it contains any material misstatements.

For **R. M. Associates.**
Chartered Accountants
Firm Registration No :- 307011E



CA Sushim Saurav
Partner
Membership No.: 426052
UDIN - 24426052BKAQWQ5862

Place: Patna
Dated: 16th October 2024

BHAR GRID COMPANY LIMITED

CIN : U0100BK2013PLC019722

2nd Floor, Alankar Place, Boring Road Patna, Bihar- 800001

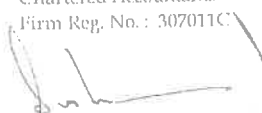
Statement of Un-audited Financial Results for the Quarter and Half year ended 30 September 2024

₹ in Lakhs

Sl. No.	Particulars	Quarter ended			Half year ended		Year ended
		30.09.2024	30.06.2024	30.09.2023	30.09.2024	30.09.2023	31.03.2024
		(Un-audited)	(Un-audited)	(Un-audited)	(Un-audited)	(Un-audited)	(Audited)
I	Revenue From Operations	10,218.00	10,217.33	5,484.50	20,435.33	10,969.00	21,938.00
II	Other Income	1,702.42	1,714.06	1,870.65	3,416.48	3,722.65	7,647.90
III	Total Income (I+II)	11,920.42	11,931.39	7,355.15	23,851.82	14,691.65	29,585.90
IV	EXPENSES						
	Employee benefits expense	344.09	383.15	383.58	727.24	829.05	1,579.64
	Finance costs	4,330.43	4,506.91	4,338.38	9,037.33	8,690.02	17,734.28
	Depreciation and amortization expense	3,861.90	3,791.10	4,070.05	7,653.00	7,697.52	15,198.29
	Other expenses	1,029.57	647.43	1,217.09	1,677.00	1,973.57	3,995.38
	Total expenses (IV)	9,765.99	9,328.59	10,009.10	19,094.57	19,190.16	38,507.59
V	Profit before Exceptional Items, Tax and Regulatory Deferral Account Balances (III-IV)	2,154.43	2,602.81	(2,653.95)	4,757.25	(4,498.51)	(8,921.69)
VI	Exceptional Items (Refer Note 2)						
VII	Profit before Tax and Regulatory Deferral Account Balances (V-VI)	2,154.43	2,602.81	(2,653.95)	4,757.25	(4,498.51)	(8,921.69)
VIII	Tax expense:						
	Current tax - Current Year						
	- Earlier Years						
	Deferred tax	397.14	350.41	3,523.81	747.55	4,110.10	5,185.39
		397.14	350.41	3,523.81	747.55	4,110.10	5,185.39
IX	Profit for the period before Regulatory Deferral Account Balances (VII-VIII)	1,757.29	2,252.40	(6,177.76)	4,009.70	(8,608.61)	(14,107.08)
X	Net movement in Regulatory Deferral Account Balances- Income/(Expenses)(net of tax)						
XI	Profit for the period (IX+X)	1,757.29	2,252.40	(6,177.76)	4,009.70	(8,608.61)	(14,107.08)
XII	Other Comprehensive Income						
	Items that will not be reclassified to profit or loss(net of tax)						
XIII	Total Comprehensive Income for the period (XI+XII)	1,757.29	2,252.40	(6,177.76)	4,009.70	(8,608.61)	(14,107.08)
XIV	Paid up Equity Share Capital (Face value of share : ₹ 10/- each)	67,478.48	67,478.48	67,478.48	67,478.48	67,478.48	67,478.48
XV	Reserves (excluding Revaluation Reserve) as per balance sheet				18,995.34	20,384.14	14,985.64
XVI	Net Worth				86,473.82	87,862.62	82,464.12
XVII	Paid up Debt Capital				2,08,889.15	2,09,860.68	2,18,160.92
XVIII	Bonds Redemption Reserve						
XIX	Earnings per equity share including movement in Regulatory Deferral Account Balances (Face value of ₹10/- each): Basic & Diluted (In ₹)	0.26	0.33	(0.92)	0.59	(1.28)	(1.28)
XX	Earnings per equity share excluding movement in Regulatory Deferral Account Balances (Face value of ₹10/- each): Basic & Diluted (In ₹)	0.26	0.33	(0.92)	0.59	(1.28)	(1.28)
XXI	Debt Equity Ratio				76.24	76.74	76.24
XXII	Debt Service Coverage Ratio (DSCR)				1.33	0.87	0.87
XXIII	Interest Service Coverage Ratio (ISCR)				2.37	1.37	1.33


Refer accompanying notes to the financial results.

For R. M. Associates
Chartered Accountants
Firm Reg. No. : 307011C


C M Sushim Saurav
Partner
Membership No.: 426052

Place: Patna
Date : 16th Oct, 2024

For and On behalf of the Board of Directors


M. C. Tewari
Managing Director
DIN 10671935


Prabhat Kumar
CFO

BIHAR GRID COMPANY LIMITED

CIN : U40100BR2013PLC019722


2nd Floor, Alankar Place, Boring Road Patna, Bihar- 800001
Statement of Assets and Liabilities as at 30th September, 2023

(₹ in Lakhs)


Particulars		As at 30 September 2024 (Un-audited)	As at 31 March 2024 (Audited)
A.	ASSETS		
1	Non-current assets		
	(a) Property, plant & equipment	2,34,961.29	2,35,131.82
	(b) Capital work-in-progress	20,114.54	37,658.63
	(c) Intangible assets	107.98	112.22
	(d) Other non-current assets	11.85	11.85
		2,55,195.66	2,72,914.52
2	Current assets		
	(a) Inventories	297.21	169.87
	(b) Financial assets	-	-
	(i) Trade receivables	47,836.20	46,896.53
	(ii) Cash and cash equivalents	12,028.69	14,691.69
	(iii) Other than Cash and Cash Equivalents	15,477.85	12,041.70
	(c) Other current assets	1,469.26	1,693.68
		77,109.21	75,493.46
	TOTAL ASSETS	3,32,304.87	3,48,407.98
B.	EQUITY AND LIABILITIES		
1	Equity		
	(a) Equity Share capital	67,478.48	67,478.48
	(b) Other Equity	18,995.34	14,985.64
		86,473.82	82,464.12
2	Liabilities		
(i)	Non-current liabilities		
	(a) Financial Liabilities		
	(i) Borrowings	1,90,565.61	1,99,727.38
	(ii) Other non-current financial liabilities	2,803.13	3,651.04
	(b) Deferred tax liabilities (Net)	23,175.59	22,428.04
		2,16,544.33	2,25,806.46
(ii)	Current liabilities		
	(a) Financial liabilities		
	(i) Other current financial liabilities	6,540.64	6,780.50
	(ii) Current Borrowing	18,323.54	18,323.54
	(b) Other current liabilities	3,779.34	14,474.11
	(c) Provisions	643.20	559.25
	(d) Current tax liabilities (net)	-	-
		29,286.72	40,137.40
	TOTAL EQUITY AND LIABILITIES	3,32,304.87	3,48,407.98


Refer accompanying notes to the financial results.

For R. M. Associates
Chartered Accountants
Firm Reg. No.: 307011C


CA Sushim Saurav
Partner
Membership No.: 426052

For and on behalf of the Board of Directors


M. C. Tewari
Managing Director
DIN-10671935


Prabhat Kumar
CFO

Place: Patna
Date : 16th Oct, 2024

BIHAR GRID COMPANY LIMITED
CIN : U40100BR2013PLC019722
 2nd Floor, Alankar Place, Boring Road Patna, Bihar- 800001
 Statement of Cash flows for the Half Year ended 30th September 2024

(₹ in Lakhs)

Sl. No	Particulars	For the Half year ended	
		30th September, 2024 (Un-audited)	31st March, 2024 (Audited)
A	CASH FLOW FROM OPERATING ACTIVITIES		
	Net Profit/(Loss) as per Profit & Loss A/c	4,009.70	(14,107.08)
	Depreciation	7,653.00	15,194.77
	Finance Costs	9,037.33	17,734.28
	Interest Received from Bank	(834.25)	(1,419.17)
	Operating profit before Changes in Assets and Liabilities	19,865.78	17,402.80
	Adjustment for Changes in Assets and Liabilities:		
	Inventories	(127.35)	-
	Trade Receivables	(939.68)	2,984.55
	Other Current Assets	224.42	(266.42)
	Other Current Liabilities	(10,670.76)	(1,196.47)
	Other Current Financial Liabilities	(239.86)	3,138.25
	Current Borrowing	-	1,058.90
	Deferred Tax Liabilities	747.55	5,185.39
	Short Term Provisions	83.95	(51.01)
	Current Tax Liabilities	-	-
		(10,921.73)	10,853.19
	Cash generated from operations	8,944.05	28,255.99
B	CASH FLOW FROM INVESTING ACTIVITIES		
	Tangible/Intangible Assets	(7,478.23)	(12,572.14)
	Capital Work in Progress	17,544.09	5,321.83
	Other than Cash and Cash Equivalents	(3,436.15)	(12,041.70)
	Long Term Loans and Advances	-	62.86
	Interest Received from Bank	834.25	1,419.17
	Net Cash used in Investing Activities	7,463.96	(17,809.98)
C	CASH FLOW FROM FINANCING ACTIVITIES		
	Issue of Share Capital / Other Equity	-	653.03
	Interest and Finance Costs Paid	(9,037.33)	(17,734.28)
	Other Non Current Financial Liabilities	(847.91)	(5,735.72)
	Borrowings	(9,161.77)	3,499.02
	Net Cash used in Financing Activities	(19,047.01)	(19,317.95)
D	Net change in Cash and Cash equivalents (A+B+C)	(2,639.00)	(8,871.94)
E	Cash and Cash equivalents (Opening balance)	14,691.69	23,563.63
F	Cash and Cash equivalents (Closing balance) *	12,052.69	14,691.69

Further Notes:


1. Cash and cash equivalents consist of balances with banks and deposits with original maturity of upto three months. Refer accompanying notes to the financial results.

For **R. M. Associates**
 Chartered Accountants
 Firm Reg. No. : 307011C

CA Sushim Saurav
 Partner
 Membership No.: 426052

Place: Patna
 Date : 16th Oct, 2024

For and on behalf of the Board of Directors


M. C. Tewari
 Managing Director
 DIN-10671935


Prabhat Kumar
 CFO

BIHAR GRID COMPANY LIMITED


CIN : U40100BR2013PLC019722

2nd Floor, Alankar Place, Boring Road, Patna, Bihar- 800001

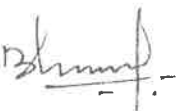
1. The Company has only one segment i.e. "Transmission" under which the Company construct, own, maintain and operate intra-state transmission lines, sub stations and associated installations.
2. The Company has recognised revenue as per Bihar Electricity Regulatory Commission (BERC) (Terms and Conditions for Determination of Tariff) Regulations, 2007, as amended time to time.
3. Provision for Taxes, employee benefits and other provisions for contingencies have been considered on estimated basis.
4. The Company's financial results for the quarter and half year ended 30th September 2024 are prepared in accordance with Ind AS notified by the Ministry of Corporate Affairs, Government of India.
5. Figures have been rounded off nearest to the Lakh unless otherwise stated.
6. Previous year figures have been regrouped/ rearranged wherever necessary.

Refer accompanying notes to the financial results.

For **R. M. Associates.**
Chartered Accountants
Firm Reg. No.: 307011C


CA Sushim Saurav
Partner
Membership No.: 426052

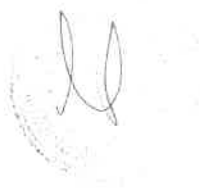
For and on behalf of **Bihar Grid Company Ltd.**


M. C. Tewari
Managing Director
DIN-10671935


Prabhat Kumar
CFO

Place: Patna

Dated: 16th October 2024



Bihar State Power Transmission Company Ltd., Patna
A subsidiary company of Bihar State Power (Holding) Company Ltd., Patna
CIN - 174110BR2012SGC018889
[SAVE ENERGY FOR BENEFIT OF SELF AND NATION]
Head Office, VidyutBhawan, Bailey Road, Patna - 800021.

Letter No. /

Dated...../...../.....

From,

Chief Engineer, Patna, Bihar State Power Transmission Company Ltd., Patna

To

Chief Engineer, Patna, Bihar State Power Transmission Company Ltd., Patna

Subject:

OR

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Bihar State Power Transmission Company Ltd., Patna
A subsidiary company of Bihar State Power (Holding) Company Ltd., Patna
CIN - U74110BR2012SGC018889
[SAVE ENERGY FOR BENEFIT OF SELF AND NATION]
Head Office, VidyutBhawan, Bailey Road, Patna - 800021,

Letter No.

Dated.....

File no. SO Cell/BGCL/Loss/Transmission/39/2023(Part-IV)2024

From,

Chief Engineer (System Operation)
Bihar State Power Transmission Co., Ltd.

To

GM- O&M (Commercial)
Bihar State Power Transmission Co., Ltd.
2nd floor, Alaukar palace, Boring Road
Patna, 800001, Mob: 8102924200

Subj: Certification of energy measurement of 19.22 power system for the month of Feb-24
 Ref: Your office letter no. IV/PT/BG/O&M/Energy meter/2023/1543 dated 10.02.2024

Handwritten signature

Sir,

With reference to the subject above, it is to mention that monthly energy metering for the transmission system of BGCL is carried out through the system installed at the substation. The Andhr of BGCL (2004) dated 15.03.2022 (P.No. 14) 25.03.2022 of BERC and the metering point of BGCL and BSECL are considered in the calculation of transmission loss of BGCL. Monthly energy accounting and hence loss by BGCL system has been calculated and the same is received from BGCL as well as from AMR by SCADA/ST module. In compliance of the above direction, transmission loss % in the BGCL system for the month of February 2024 is as follows:

Encl: As above

.....

Handwritten signature

(A.K. Chaudhary)

Chief Engineer (System Operation)

Bihar State Power Transmission Company Ltd., Patna -
subsidiary company of Bihar State Power (Holding) Company Ltd., Patna
CIN - U7410BR2012NGC018889
[SAVE ENERGY FOR BENEFIT OF SELF AND NATION]
Head Office, VidyutBhawan, Bailey Road, Patna - 800021.

Letter No. ...
From: SDC/EBK

Dated:

From:

Chief Engineer (System Operation)
Bihar State Power Transmission Co. Ltd.

To

GM- O&M (Commercial)
Bihar Grid Company Limited
2nd floor, Alankar palace, Boring Road
Patna, 800001, Mob: 8102924200

Sub: Certification of Energy accounting of BGCL power system for the month of June'24.
Ref: Your office letter no. IV/PT/BA/O&M/Energy meter/June'24/438 dated 28.07.2024

Sir,

With reference to the subject above, it is mentioned that monthly energy loss in the transmission system of BGCL is prepared as per the compliance to *Directive 5: Metering and Energy Audit*, of "BERC Order No. 13-2012-25" dated 25.03.2012 of BER. All the interface points of BGCL and BSPTCL are considered in the calculation of transmission loss of BGCL power system. Monthly energy accounting and hence loss in BGCL system has been verified on the basis of data received from BGCL as well as from AMR in SAMAST module. In compliance of the above directive, transmission loss in the BGCL power system for the month of June'24 is calculated as 1.44%.

Encl: As above


Chief Engineer (System Operation)
Bihar State Power Transmission Co. Ltd.

Bihar State Power Transmission Company Ltd., Patna
A subsidiary company of Bihar State Power (Holding) Company Ltd., Patna
CIN – U74110BR2012SGC 018889
[SAVE ENERGY FOR BENEFIT OF SELF AND NATION]
Head Office, VidyutBhawan, Bailey Road, Patna – 800021.

Letter No.55...../

Dated.....24/7/24.....

From.

Chief Engineer (System Operation)
Bihar State Power Transmission Co. Ltd.

To

GM- O&M (Commercial)
Bihar Grid Company Limited
2nd floor, Alankar palace, Boring Road
Patna, 800001, Mob: 8102924200

Sub: Certification of Energy accounting of BGCL power system for the month of July'24.
Ref:Your office letter no. JV/PT/BG/O&M/Energy meter/July'24/521 dated 08.08.2024.

Sir,

With reference to the subject above, this is to mention that monthly energy loss in the transmission system of BGCL is prepared as per the compliance to *Directive 5: Metering and Energy Audit*, of "BGCL Tariff Order for FY-2022-23" dated 25.03.2022 of BERC. All the interface points of BGCL and BSPTCL are considered in the calculation of transmission loss of BGCL power system. Monthly energy accounting and hence loss in BGCL system has been verified on the basis of data received from BGCL as well as from AMR in SAMAST module. In compliance of the above directive, transmission loss % in the BGCL power system for the month of July'24 is calculated as 1.54%.

Encl: As above

Yours faithfully

Chief Engineer (System Operation)



Bihar State Power Transmission Company Ltd., Patna
A subsidiary company of Bihar State Power (Holding) Company Ltd., Patna
CIN - U74110BR2012SGC018889
[SAVE ENERGY FOR BENEFIT OF SELF AND NATION]
Head Office, VidyutBhawan, Bailey Road, Patna - 800021,

Letter No./

File no: SGC/25801/Trans/Personnel/2022/23/00014

Dated... 25/07/2022

From,

Chief Engineer (S) to the Corporation
 Bihar State Power Transmission Co. Ltd.

To,

CEM-1&2 (Commercial)
 Bihar Coal Company Limited
 2nd Floor, 2, Jawaharpet Road, Company Road,
 Patna, 800001 (tele: 233 725, 304)

Sub: Certification of energy accounting under agreement signed for the period 01.01.2022 to 31.03.2022. Ref: Bihar CM - 1 & 2 (Commercial) - 2022/23 - 00014.

With reference to the subject cited above, the Bihar State Power Transmission Company Limited (BSPTCL) has been notified by Bihar Coal Company Limited (BCCCL) regarding the energy accounting under the agreement signed for the period 01.01.2022 to 31.03.2022. The BCCCL has requested the BSPTCL to certify the energy accounting under the agreement for the period 01.01.2022 to 31.03.2022. The BSPTCL has been requested to certify the energy accounting under the agreement for the period 01.01.2022 to 31.03.2022.

Details are as follows:

Yours faithfully

Chief Engineer (S) to the Corporation



Bihar State Power Transmission Company Ltd., Patna
A subsidiary company of Bihar State Power (Holding) Company Ltd., Patna
CIN – U74110BR2012SGC018889
[SAVE ENERGY FOR BENEFIT OF SELF AND NATION]
Head Office, VidyutBhawan, Bailey Road, Patna – 800021,

Letter No. 7/...../

File no: SO Cell/BGCL/Loss/Transmission/39/2023(Part-1)

Dated... 02/12/23

From,

Chief Engineer (System Operation)
Bihar State Power Transmission Co. Ltd.

To

GM- O&M (Commercial)
Bihar Grid Company Limited
2nd floor, Alankar palace, Boring Road
Patna, 800001, Mob: 8102924200

Sub: Certification of Energy accounting of BGCL power system for the month of October'24.
Ref:Your office letter no. JV/PT/BG/O&M/Energy meter/Oct'24/706 dated 13.11.2024.

Sir,

With reference to the subject above, this is to mention that monthly energy loss in the transmission system of BGCL is prepared as per the compliance to *Directive 5: Metering and Energy Audit*, of "BGCL Tariff Order for FY-2022-23" dated 25.03.2022 of BERC. All the interface points of BGCL and BSPTCL are considered in the calculation of transmission loss of BGCL power system. Monthly energy accounting and hence loss in BGCL system has been verified on the basis of data received from BGCL as well as from AMR in SAMAST module. In compliance of the above directive, transmission loss % in the BGCL power system for the month of Oct'24 is calculated as 1.34%.

Encl: As above

Yours faithfully

(A.K. Chaudhary)

Chief Engineer (System Operation)



Bihar State Power Transmission Company Ltd
State Load Despatch Centre

MONTHLY BGCL LOSS ACCOUNTING REPORT APR 2023

S.No.	Name of Injecting Entitles	Energy Injection Apr'23 (In MU)	Cumulative Energy Injection (Apr'23 - Apr'23) (In MU)
1	Total Import from regional grid (purchases from ISGS, PX, bilateral etc.)	343.211677	343.211677
2	Sharing Of ISTS Transformer Loss (as per MoM Dated - 23.12.2021)	0.067181	0.067181
3	Import from BSPTCL	369.273428	369.273428
Total Injection (All Sources) (1 + 2 + 3)		712.552287	712.552287

S.No.	Name of Drawee Entitles	Energy Drawal Apr'23 (In MU)	Cumulative Energy Drawal (Apr'23 - Apr'23) (In MU)
1	Export to BSPTCL	606.926439	606.926439
2	Discom Drawal		
i	SBPDCL	77.608245	77.608245
ii	NBPDCL	22.047150	22.047150
Total of Discom Drawal		99.655395	99.655395
Net Drawal of BGCL (In MU) (1 + 2)		706.581834	706.581834

S.No.	Transmission Loss	Loss of APR 2023	Cumulative Loss (Apr'23 - Apr'23)
1	(In MU)	5.970453	5.970453
2	(In %)	0.84	0.84

- ILLUSTRATION:-**
1. Transmission Loss of a month (In MU)= Total Injection(All Sources) of that month-Total Drawal of that month
 2. Transmission Loss of a month (In%)=Transmission Loss of a month (in MU)*100/Total Injection(All Sources) of that month
 3. Cumulative Transmission Loss (In MU)= Total Cumulative Injection(All Sources)-Total Cumulative Drawal
 4. Cumulative Transmission Loss(in%)=Cumulative Transmission Loss(in MU)*100/Total Cumulative Injection(All Sources)

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Bihar State Power Transmission Company Ltd
State Load Despatch Centre

MONTHLY BGCL LOSS ACCOUNTING REPORT MAY 2023			
S.No.	Name of Injecting Entities	Energy Injection May'23 (In MU)	Cumulative Energy Injection (Apr'23 - May'23) (In MU)
1	Total import from regional grid (purchases from ISGS, PX, bilateral etc.)	380.836434	724.048112
2	Sharing Of ISTS Transformer Loss (as per MoM Dated - 23.12.2021)	0.419604	0.486786
3	Import from BSPTCL	390.309566	759.582994
Total Injection (All Sources) (1 + 2 + 3)		771.565605	1484.117892
S.No.	Name of Drawee Entities	Energy Drawal May'23 (In MU)	Cumulative Energy Drawal (Apr'23 - May'23) (In MU)
1	Export to BSPTCL	649.437656	1256.364095
2	Discom Drawal		
i	SBPDCL	88.529329	166.137574
ii	NBPDCL	25.673472	47.720622
	Total of Discom Drawal	114.202801	213.858196
Net Drawal of BGCL (In MU) (1 + 2)		763.640457	1470.222291
S.No.	Transmission Loss	Loss of MAY 2023	Cumulative Loss (Apr'23 - May'23)
1	(In MU)	7.925148	13.895601
2	(In %)	1.03	0.94
ILLUSTRATION:-	1. Transmission Loss of a month (in MU)= Total injection(All Sources) of that month-Total Drawal of that month		
	2. Transmission Loss of a month (in%)=Transmission Loss of a month (in MU)*100/Total Injection(All Sources) of that month		
	3. Cumulative Transmission Loss (in MU)= Total Cumulative injection(All Sources)-Total Cumulative Drawal		
	4. Cumulative Transmission Loss(in%)=Cumulative Transmission Loss(in MU)*100/Total Cumulative Injection(All Sources)		

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Bihar State Power Transmission Company Ltd
State Load Despatch Centre

MONTHLY BGCL LOSS ACCOUNTING REPORT JUN 2023			
S.No.	Name of Injecting Entities	Energy Injection Jun'23 (In MU)	Cumulative Energy Injection (Apr'23 - Jun'23) (In MU)
1	Total import from regional grid (purchases from ISGS, PX, bilateral etc.)	415.152184	1139.200296
2	Sharing Of ISTS Transformer Loss (as per MoM Dated - 23.12.2021)	0.535437	1.022223
3	Import from BSPTCL	407.034752	1166.617746
Total Injection (All Sources) (1 + 2 + 3)		822.722373	2306.840265
S.No.	Name of Drawee Entities	Energy Drawal Jun'23 (In MU)	Cumulative Energy Drawal (Apr'23 - Jun'23) (In MU)
1	Export to BSPTCL	693.906840	1950.270935
2	Discom Drawal		
i	SBPDCL	91.184863	257.322437
ii	NBPDCL	27.748928	75.469550
	Total of Discom Drawal	118.933791	332.791987
Net Drawl of BGCL (In MU) (1 + 2)		812.840631	2283.062922
S.No.	Transmission Loss	Loss of JUN 2023	Cumulative Loss (Apr'23 - Jun'23)
1	(In MU)	9.881742	23.777343
2	(In %)	1.20	1.03
ILLUSTRATION:-	1. Transmission Loss of a month (in MU)= Total injection(All Sources) of that month-Total Drawal of that month		
	2. Transmission Loss of a month (in%)=Transmission Loss of a month (in MU)*100/Total Injection(All Sources) of that month		
	3. Cumulative Transmission Loss (in MU)= Total Cumulative injection(All Sources)-Total Cumulative Drawal		
	4. Cumulative Transmission Loss(in%)=Cumulative Transmission Loss(in MU)*100/Total Cumulative Injection(All Sources)		

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Bihar State Power Transmission Company Ltd
State Load Despatch Centre

MONTHLY BGCL LOSS ACCOUNTING REPORT JUL 2023			
S.No.	Name of Injecting Entities	Energy Injection Jul'23 (In MU)	Cumulative Energy Injection (Apr'23 - Jul'23) (In MU)
1	Total import from regional grid (purchases from ISGS, PX, bilateral etc.)	473.778352	1612.978648
2	Sharing Of ISTS Transformer Loss (as per MoM Dated - 23.12.2021)	0.701624	1.723847
3	Import from BSPTCL	364.222824	1530.840570
Total Injection (All Sources) (1 + 2 + 3)		838.702799	3145.543064
S.No.	Name of Drawee Entities	Energy Drawal Jul'23 (In MU)	Cumulative Energy Drawal (Apr'23 - Jul'23) (In MU)
1	Export to BSPTCL	697.949905	2648.220840
2	Discom Drawal		
i	SBPDCL	103.466991	360.789428
ii	NBPDCL	29.340667	104.810217
	Total of Discom Drawal	132.807658	465.599645
Net Drawl of BGCL (In MU) (1 + 2)		830.757563	3113.820485
S.No.	Transmission Loss	Loss of JUL 2023	Cumulative Loss (Apr'23 - Jul'23)
1	(In MU)	7.945236	31.722579
2	(In %)	0.95	1.01
ILLUSTRATION:-	1. Transmission Loss of a month (in MU)= Total injection(All Sources) of that month-Total Drawal of that month		
	2. Transmission Loss of a month (in%)=Transmission Loss of a month (in MU)*100/Total Injection(All Sources) of that month		
	3. Cumulative Transmission Loss (in MU)= Total Cumulative injection(All Sources)-Total Cumulative Drawal		
	4. Cumulative Transmission Loss(in%)=Cumulative Transmission Loss(in MU)*100/Total Cumulative Injection(All Sources)		

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Bihar State Power Transmission Company Ltd
State Load Despatch Centre

MONTHLY BGCL LOSS ACCOUNTING REPORT AUG 2023			
S.No.	Name of Injecting Entities	Energy Injection Aug'23 (In MU)	Cumulative Energy Injection (Apr'23 - Aug'23) (In MU)
1	Total import from regional grid (purchases from ISGS, PX, bilateral etc.)	488.556578	2101.535226
2	Sharing Of ISTS Transformer Loss (as per MoM Dated - 23.12.2021)	0.522034	2.245880
3	Import from BSPTCL	367.601409	1898.441979
Total Injection (All Sources) (1 + 2 + 3)		856.680021	4002.223085
S.No.	Name of Drawee Entities	Energy Drawal Aug'23 (In MU)	Cumulative Energy Drawal (Apr'23 - Aug'23) (In MU)
1	Export to BSPTCL	708.365195	3356.586035
2	Discom Drawal		
i	SBPDCL	112.841024	473.630452
ii	NBPDCL	28.847099	133.657316
Total of Discom Drawal		141.688123	607.287768
Net Drawal of BGCL (In MU) (1 + 2)		850.053318	3963.873803
S.No.	Transmission Loss	Loss of AUG 2023	Cumulative Loss (Apr'23 - Aug'23)
1	(In MU)	6.626703	38.349282
2	(In %)	0.77	0.96
ILLUSTRATION:			
	1. Transmission Loss of a month (in MU)= Total injection(All Sources) of that month-Total Drawal of that month		
	2. Transmission Loss of a month (in%)=Transmission Loss of a month (in MU)*100/Total Injection(All Sources) of that month		
	3. Cumulative Transmission Loss (in MU)= Total Cumulative injection(All Sources)-Total Cumulative Drawal		
	4. Cumulative Transmission Loss(in%)=Cumulative Transmission Loss(in MU)*100/Total Cumulative Injection(All Sources)		

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MONTHLY BGCL LOSS ACCOUNTING REPORT SEP 2023			
S.No.	Name of Injecting Entities	Energy Injection Sep'23 (In MU)	Cumulative Energy Injection (Apr'23 - Sep'23) (In MU)
1	Total import from regional grid (purchases from ISGS, PX, bilateral etc.)	486.195035	2587.730261
2	Sharing Of ISTS Transformer Loss (as per MoM Dated - 23.12.2021)	0.606665	2.852545
3	Import from BSPTCL	410.700365	2309.142344
Total Injection (All Sources) (1 + 2 + 3)		897.502065	4899.725150
S.No.	Name of Drawee Entities	Energy Drawal Sep'23 (In MU)	Cumulative Energy Drawal (Apr'23 - Sep'23) (In MU)
1	Export to BSPTCL	758.611146	4115.197181
2	Discom Drawal		
i	SBPDCL	105.546676	579.177128
ii	NBPDCL	26.586892	160.244208
	Total of Discom Drawal	132.133568	739.421336
Net Drawl of BGCL (In MU) (1 + 2)		890.744714	4854.618517
S.No.	Transmission Loss	Loss of SEP 2023	Cumulative Loss (Apr'23 - Sep'23)
1	(In MU)	6.757351	45.106633
2	(In %)	0.75	0.92
ILLUSTRATION:-	1. Transmission Loss of a month (in MU)= Total injection(All Sources) of that month-Total Drawal of that month		
	2. Transmission Loss of a month (in%)=Transmission Loss of a month (in MU)*100/Total Injection(All Sources) of that month		
	3. Cumulative Transmission Loss (in MU)= Total Cumulative injection(All Sources)-Total Cumulative Drawal		
	4. Cumulative Transmission Loss(in%)=Cumulative Transmission Loss(in MU)*100/Total Cumulative Injection(All Sources)		

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MONTHLY BGCL LOSS ACCOUNTING REPORT OCT 2023			
S.No.	Name of Injecting Entities	Energy Injection Oct'23 (In MU)	Cumulative Energy Injection (Apr'23 - Oct'23) (In MU)
1	Total import from regional grid (purchases from ISGS, PX, bilateral etc.)	380.572609	2968.302870
2	Sharing Of ISTS Transformer Loss (as per MoM Dated - 23.12.2021)	0.608405	3.460950
3	Import from BSPTCL	368.221655	2677.363999
Total Injection (All Sources) (1 + 2 + 3)		749.402669	5649.127819
S.No.	Name of Drawee Entities	Energy Drawal Oct'23 (In MU)	Cumulative Energy Drawal (Apr'23 - Oct'23) (In MU)
1	Export to BSPTCL	631.761047	4746.958228
2	Discom Drawal		
i	SBPDCL	89.427778	668.604906
ii	NBPDCL	22.726419	182.970627
Total of Discom Drawal		112.154197	851.575533
Net Drawal of BGCL (In MU) (1 + 2)		743.915244	5598.533761
S.No.	Transmission Loss	Loss of OCT 2023	Cumulative Loss (Apr'23 - Oct'23)
1	(In MU)	5.487425	50.594058
2	(In %)	0.73	0.90
ILLUSTRATION:-	1. Transmission Loss of a month (in MU)= Total injection(All Sources) of that month-Total Drawal of that month		
	2. Transmission Loss of a month (in%)=Transmission Loss of a month (in MU)*100/Total Injection(All Sources) of that month		
	3. Cumulative Transmission Loss (in MU)= Total Cumulative injection(All Sources)-Total Cumulative Drawal		
	4. Cumulative Transmission Loss(in%)=Cumulative Transmission Loss(in MU)*100/Total Cumulative Injection(All Sources)		

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MONTHLY BGCL LOSS ACCOUNTING REPORT NOV 2023			
S.No.	Name of Injecting Entities	Energy Injection Nov'23 (In MU)	Cumulative Energy Injection (Apr'23 - Nov'23) (In MU)
1	Total import from regional grid (purchases from ISGS, PX, bilateral etc.)	302.647790	3270.950660
2	Sharing Of ISTS Transformer Loss (as per MoM Dated - 23.12.2021)	0.805939	4.266889
3	Import from BSPTCL	316.200239	2993.564238
Total Injection (All Sources) (1 + 2 + 3)		619.653968	6268.781787
S.No.	Name of Drawee Entities	Energy Drawal Nov'23 (In MU)	Cumulative Energy Drawal (Apr'23 - Nov'23) (In MU)
1	Export to BSPTCL	532.680798	5279.639026
2	Discom Drawal		
i	SBPDCL	66.062516	734.667422
ii	NBPDCL	17.047331	200.017958
	Total of Discom Drawal	83.109847	934.685380
Net Drawl of BGCL (In MU) (1 + 2)		615.790645	6214.324406
S.No.	Transmission Loss	Loss of NOV 2023	Cumulative Loss (Apr'23 - Nov'23)
1	(In MU)	3.863323	54.457381
2	(In %)	0.62	0.87
ILLUSTRATION:-	1. Transmission Loss of a month (in MU)= Total Injection(All Sources) of that month-Total Drawal of that month		
	2. Transmission Loss of a month (in%)=Transmission Loss of a month (in MU)*100/Total Injection(All Sources) of that month		
	3. Cumulative Transmission Loss (in MU)= Total Cumulative injection(All Sources)-Total Cumulative Drawal		
	4. Cumulative Transmission Loss(in%)=Cumulative Transmission Loss(in MU)*100/Total Cumulative Injection(All Sources)		

Sayin

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MONTHLY BGCL LOSS ACCOUNTING REPORT DEC 2023

S.No.	Name of Injecting Entities	Energy Injection Dec'23 (In MU)	Cumulative Energy Injection (Apr'23 - Dec'23) (In MU)
1	Total import from regional grid (purchases from ISGS, PX, bilateral etc.)	357,732847	3626,113497
2	Sharing Of ISTS Transformer Loss (as per MoM Dated - 23.12.2021)	1,255067	5,522956
3	Import from BSPTCL	273,577166	3267,141398
Total Injection (All Sources) (1 + 2 + 3)		632,566074	690,138151

S.No.	Name of Drawee Entities	Energy Drawal Dec'23 (In MU)	Cumulative Energy Drawal (Apr'23 - Dec'23) (In MU)
1	Export to BSPTCL	544,917151	5820,886196
2	Discom Drawal		
i	SBPDCL	64,062018	240,411177
ii	NBPDCL	17,435745	1740,442121
Total of Discom Drawal		81,497763	4140,884298
Net Drawal of BGCL (In MU) (1 + 2)		626,454914	6639,779217

S.No.	Transmission Loss	Loss of DEC 2023	Cumulative Loss (Apr'23 - Dec'23)
1	(In MU)	7,111133	67,308145
2	(In %)	1.12	0.97

ILLUSTRATION:-	Formula
1.	Transmission Loss of a month (in MU) = Total Injection (All Sources) of that month - Total Drawal of that month
2.	Transmission Loss of a month (in %) = Transmission Loss of a month (in MU) / (Total Injection (All Sources) of that month)
3.	Cumulative Transmission Loss (in MU) = Total Cumulative Injection (All Sources) - Total Cumulative Drawal
4.	Cumulative Transmission Loss (in %) = Cumulative Transmission Loss (in MU) / Total Cumulative Injection (All Sources)



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MONTHLY BGCL LOSS ACCOUNTING REPORT JAN 2024			
S.No.	Name of Injecting Entities	Energy Injection Jan'24 (In MU)	Cumulative Energy Injection (Apr'23 - Jan'24) (In MU)
1	Total import from regional grid (purchases from ISGS, PX, bilateral etc.)	378.288854	4006.972361
2	Sharing Of ISTS Transformer Loss (as per MoM Dated - 23.12.2021)	0.957550	6.480506
3	Import from BSPTCL	300.806091	3567.947489
Total Injection (All Sources) (1 + 2 + 3)		680.052495	7581.400356
S.No.	Name of Drawee Entities	Energy Drawal Jan'24 (In MU)	Cumulative Energy Drawal (Apr'23 - Jan'24) (In MU)
1	Export to BSPTCL	576.026434	6399.682644
2	Discom Drawal		
i	SBPDCL	75.487309	874.156743
ii	NBPDCL	19.818147	237.271850
	Total of Discom Drawal	95.305456	1111.428593
Net Drawal of BGCL (In MU) (1 + 2)		671.331890	7511.111237
S.No.	Transmission Loss	Loss of JAN 2024	Cumulative Loss (Apr'23 - Jan'24)
1	(In MU)	8.720605	70.289119
2	(In %)	1.28	0.93
ILLUSTRATION:-	1. Transmission Loss of a month (in MU) = Total injection(All Sources) of that month - Total Drawal of that month 2. Transmission Loss of a month (in%) = Transmission Loss of a month (in MU) * 100 / Total Injection(All Sources) of that month 3. Cumulative Transmission Loss (in MU) = Total Cumulative injection(All Sources) - Total Cumulative Drawal 4. Cumulative Transmission Loss(in%) = Cumulative Transmission Loss(in MU) * 100 / Total Cumulative Injection(All Sources)		

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MONTHLY BGCL LOSS ACCOUNTING REPORT FEB 2024			
S.No.	Name of Injecting Entities	Energy Injection Feb'24 (In MU)	Cumulative Energy Injection (Apr'23 - Feb'24) (In MU)
1	Total import from regional grid (purchases from ISGS, PX, bilateral etc.)	323.264281	4330.236642
2	Sharing Of ISTS Transformer Loss (as per MoM Dated - 23.12.2021)	1.136572	7.617078
3	Import from BSPTCL	252.620573	3820.568062
Total Injection (All Sources) (1 + 2 + 3)		577.021426	8158.421782
S.No.	Name of Drawee Entities	Energy Drawal Feb'24 (In MU)	Cumulative Energy Drawal (Apr'23 - Feb'24) (In MU)
1	Export to BSPTCL	494.260382	6893.943026
2	Discom Drawal		
i	SBPDCL	61.677972	935.834715
ii	NBPDCL	15.770921	253.042771
	Total of Discom Drawal	77.448893	1188.877486
Net Drawal of BGCL (In MU) (1 + 2)		571.709275	8082.820512
S.No.	Transmission Loss	Loss of FEB 2024	Cumulative Loss (Apr'23 - Feb'24)
1	(In MU)	5.312151	75.601270
2	(In %)	0.92	0.93
ILLUSTRATION:-	1. Transmission Loss of a month (in MU)= Total injection(All Sources) of that month-Total Drawal of that month		
	2. Transmission Loss of a month (in%)=Transmission Loss of a month (in MU)*100/Total Injection(All Sources) of that month		
	3. Cumulative Transmission Loss (in MU)= Total Cumulative injection(All Sources)-Total Cumulative Drawal		
	4. Cumulative Transmission Loss(in%)=Cumulative Transmission Loss(in MU)*100/Total Cumulative Injection(All Sources)		

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MONTHLY BGCL LOSS ACCOUNTING REPORT MAR 2024			
S.No.	Name of Injecting Entities	Energy Injection Mar'24 (In MU)	Cumulative Energy Injection (Apr'23 - Mar'24) (In MU)
1	Total Import from regional grid (purchases from ISGS, PX, bilateral etc.)	347.229969	4677.466611
2	Sharing Of ISTS Transformer Loss (as per MoM Dated - 23.12.2021)	0.177228	7.794306
3	Import from BSPTCL	315.955485	4136.523547
Total Injection (All Sources) (1 + 2 + 3)		663.362681	8821.784464
S.No.	Name of Drawee Entities	Energy Drawal Mar'24 (In MU)	Cumulative Energy Drawal (Apr'23 - Mar'24) (In MU)
1	Export to BSPTCL	567.044714	7460.987740
2	Discom Drawal		
i	SBPDCL	71.296161	1007.130876
ii	NBPDCL	17.955228	270.997999
	Total of Discom Drawal	89.251389	1278.128875
Net Drawl of BGCL (In MU) (1 + 2)		656.296103	8739.116615
S.No.	Transmission Loss	Loss of MAR 2024	Cumulative Loss (Apr'23 - Mar'24)
1	(In MU)	7.066578	82.667849
2	(In %)	1.07	0.94
ILLUSTRATION:-	1. Transmission Loss of a month (in MU)= Total injection(All Sources) of that month-Total Drawal of that month		
	2. Transmission Loss of a month (in%)=Transmission Loss of a month (in MU)*100/Total Injection(All Sources) of that month		
	3. Cumulative Transmission Loss (in MU)= Total Cumulative injection(All Sources)-Total Cumulative Drawal		
	4. Cumulative Transmission Loss(in%)=Cumulative Transmission Loss(in MU)*100/Total Cumulative Injection(All Sources)		

Samir