

Reply to 1st set of Data Gaps raised by the Hon'ble Commission vide Letter No. BERC - 928, dated 28.11.2024 on Business Plan & MYT Tariff Petition filed by SLDC for the Control Period of FY 2025-26 to FY 2027-28 along with Truing Up of FY 2023-24 and Annual Performance Review of FY 2024-25 and SLDC Operating Charges for the FY 2025-26

1. MYT Format

- *The MYT format should be submitted as per format given with the MYT Regulations.*
- *The Petitioner has submitted only few formats. The reasons for non-submission of other sheets should be explained.*
- *The entries in the format should be interlinked for all components, without having any hard punch value.*
- *Further, the format should have trial balance (SLDC) in excel incorporated and all expenditures mentioned in the formats should be linked with trial balance only.*
- *The expenditure during FY 2024-25 (first six month) should be submitted.*

Reply:

- ❑ SLDC respectfully submits that the formats given in the MYT Regulations are mostly not Applicable for SLDC Function. Therefore, SLDC provided the relevant formats only with its MYT Tariff Petition. However, the SLDC now submits all the MYT Format given with the MYT Regulations as **Annexure - 1**.
- ❑ SLDC respectfully submits that the formats given in the MYT Regulations are mostly not Applicable for SLDC Function. Therefore, SLDC provides the relevant formats only with its MYT Tariff Petition. However, the SLDC now submits all the MYT Format given with the MYT Regulations as **Annexure - 1** and requests the Hon'ble Commission to consider the same.
- ❑ It is submitted that all the formats are interlinked with the formulae as provided/considered by the Hon'ble Commission. Further, SLDC has provided the soft copy (Excel Sheet) with all formulae for kind consideration of the Hon'ble Commission.
- ❑ It is submitted that the BSPTCL prepares its financial Statement on consolidated basis which includes the income and expenses of Transmission function & SLDC. However, SLDC has maintained its separate cost centre for preparation of its separate Profit and Loss Account for the respective year and the same has also

been audited by the Statutory Auditor. Therefore, SLDC has claimed its income and expenditure based on the Profit and Loss Account as certified by the auditor.

- SLDC submits the Trial Balance of 1st Half (i.e. April 2024 to September 2024) as **Annexure - 2.**

True-up FY 2023-24

2. *Para 2.2 of the Petition The Petitioner submit the following:*

"SLDC submits that it has filed its Investment Plan Petition for regulatory approval of the Hon'ble Commission. The Hon'ble Commission had also approved the same vide Order dated 07.10.2023 (Case No. 05/2023)."

The date of order may be verified.

Reply:

SLDC respectfully submits that there is an inadvertent Typographical error while mentioning the Order dated 10.07.2023. It is requested to the Hon'ble Commission to kindly consider the same.

3. *Implement, establish and maintain cyber security operations centre (C-SOC) at Bihar SLDC capitalization of 6.46 Cr during FY 2023-24*

- *The Commission while issuing the order in Case No 05/2023 has opined the following regarding capitalisation to be claimed during true-up:*

"2) Approval of the above CAPEX Plan is subject to the condition that at the time of thing up, the petitioner shall furnish for each of The project:

a) The Quantitative details and monetary value of Fixed Assets co-relating with above clamed Capital Investment and their expected useful life

b) That the classification of Fixed Assets and value have been arrived by application of standards, principals and policies in terms of provisions contained in BERC (Multi Year Transmission Tariff and SLDC Charges) Regulations, 2021 read with (Power Regulatory Accounting) Regulations 2018 and relevant CERC Regulation.

c) That recurring nature of expenses which are Operation & Maintenance Cost have not been claimed as a part of Capital expenditure.

d) Complete breakup of fund available under IRF, utilized in these project and remaining fund remains free, reconciling with Audited figures of Free Reserve.

e) Receipt. Nature including terms & conditions and utilization of fund under "Special Assistance to State" and its accounting treatment in audited account.

f) Detailed justification along-with supporting documents for any change in cost with comparison to in-principal approved cost quantifying the deviation amount attributable to each factor of deviation including Government Taxes & duties, change in scope of work, projection/DPR vs awarded cost etc.

g) The actual cost incurred, actual date of start of work, actual completion period and scheduled completion period.

h) That no Cost escalation on account of any time overrun have been claimed."

- The Petitioner shall submit its response for C-SOC scheme in terms of (a) to (h) as mentioned above.
- The Petitioner submitted part capitalisation in FY 23-24 and remaining in FY 24-25. The Petitioner should provide documentary evidence regarding asset put to use during FY 23-24. The details regarding components put to use and services available to SLDC shall be provided. Further, work completion report should be submitted.
- The function wise allocation of expenditure is given with audited account. The Petitioner has not submitted any data / statement indicating SLDC's capitalisation in audited account. Without that capitalisation of SLDC cannot verified.
- The status of scheme Balance capex of SAMAST' should be submitted.

Reply:

- (a) SLDC respectfully submits the quantitative details and monetary value of Fixed Assets co-relating with Capital Investment and Further AMC cost related to C-Soc as follows:

Description	Qty.	Unit Price	GST Rate %	Unit GST Amount	Total Price
1	2	3	4	5	6
IT Setup					
Security Information and Event Management (SIEM)	1 Lot	1,38,45,849	18	24,92,253	1,63,38,101
Security Orchestration, Automation and Response (SOAR)	1 Lot	1,18,75,700	18	21,37,626	1,40,13,326
Network Behaviour Anomaly Detection (NBAD)	1 Lot	80,95,113	18	14,57,120	95,52,233

Description	Qty.	Unit Price	GST Rate %	Unit GST Amount	Total Price
1	2	3	4	5	6
User and Entity Behaviour Analytics (UEBA)	1 Lot	65,84,646	18	11,85,236	77,69,882
Patch Management Solution	1 Lot	22,59,181	18	4,06,653	26,65,833
Log Collectors in HA	1 Lot	11,40,954	18	2,05,372	13,46,325
Underlying Infrastructure required to host the above applications	1 Lot	23,95,060	18	4,31,111	28,26,170
Installation and Configuration including Tuning of SOC of proposed solution	1 Lot	71,86,486	18	12,93,567	84,80,053
Non-IT Setup					
All activities (Civil , Interior , Electrical etc.) required for establishing on premise C-SOC	1 Lot	79,05,878	28	22,13,646	1,01,19,524
Total Cost towards Capital Investment					7,31,11,448
Operation and Maintenance					
SOC Manpower Operation Cost during Maintenance (24*7)	3 Year	89,09,296	18	16,03,673	3,15,38,907
TOTAL COST towards AMC(in Rs.)					3,15,38,907
TOTAL					10,46,50,355

It is further submitted that the Hon'ble Commission has also approved the same vide its Investment Plan Order of SLDC vide Order dated 10.07.2023 (Case No. 05/2023).

- (b) It is submitted that the entire capital cost was classified as Intangible Assets in the books of Accounts of SLDC.
- (c) It is respectfully submitted that the SLDC has capitalised the projects/ Schemes which are in Capital Nature. Further, AMC cost towards the assets shall be booked in R&M Expenses.

- (d) It is respectfully submitted that the entire project was funded through Special Assistance to State Fund. The Approval of the same is attached as **Annexure - 3**.
- (e) SLDC respectfully submits the details of approval including terms & conditions and utilization of fund under "Special Assistance to State" as **Annexure - 3**.
- (f) It is submitted that there is no changes in cost with comparison to in-principle approved cost by the Hon'ble Commission vide its Investment Plan Order of SLDC vide Order dated 10.07.2023 (Case No. 05/2023).
- (g) SLDC respectfully submits the details of Work Order and Completion Certificate as **Annexure - 4**.
- (h) SLDC respectfully submits that there is no cost escalation on account of time overrun. Further, it is submitted that the Project has been implemented and put on use on 01.03.2024.
4. 2.5.1 *Employee expense: The amount of terminal benefit is shown as accrual basis. The details of such claim shall be submitted (accrual report or internal calculation). What is the actual amount of cash outflow towards SLDC terminal benefits for FY 23-24?*

Reply:

SLDC respectfully submits that it has prepared its Annual Accounts on consolidated basis. Further, the Actuarial Report is also prepared on consolidated basis and the same has been allocated on the basis of No. of Employees. Therefore, SLDC submits the same as **Annexure - 5**.

5. 2.5.2 *Repair and maintenance expenses: It is noticed that R&M expenses for FY 23-24 has increased substantially (about 106.5%) in comparison to that for FY 22-23 (Rs 2.83 Cr vs Rs 1.37 Cr). The detailed reasons for such increase with documentary proof should be submitted*

The scheme wise AMC cost (like APR year) should be submitted.

Reply:

SLDC respectfully submits that the Hon'ble Commission has not approved any trajectory norms for O&M Expenses of SLDC and the Hon'ble Commission in previous True-ups has been allowing it based on audited accounts. SLDC has claimed the R&M Expenses for the FY 2023-24 based on its audited annual accounts and allocation of expenses towards SLDC as certified by the Auditor. It is further submitted that the base of R&M expenses (previous year) is very low, hence, even small increase in absolute terms translates to high increase in percentage terms. It is further submitted that with increase in asset base of SLDC, the R&M expenses shall also increase proportionately. Hence, the same may not be comparable to previous years. Further, SLDC submits the details of actual AMC expenses paid during FY 2023-24 as **Annexure - 6**.

6. 2.5.3. A&G expenses: A&G expenses in FY 23-24 has been increased substantially in Comparison to that for FY 22-23 expenses. The reason for the same should be submitted.

Reply:

SLDC respectfully submits that the Hon'ble Commission has not approved any trajectory norms for O&M Expenses of SLDC and the Hon'ble Commission in previous True-ups has been allowing it based on audited accounts. SLDC has claimed the A&G Expenses based on its audited annual accounts and allocation of expenses towards SLDC as certified by the Auditor.

However, SLDC submits the details of A&G expense as claimed for truing up for FY 2022-23 and FY 2023-24 based on the audited accounts SLDC

Sl. No.	Parameter	Rs. Cr.	
		Claimed in Truing-up of FY 2022-23	Claimed in Truing-up of FY 2023-24
1	Consultancy Charge	-	0.28
2	Conveyance & travelling	0.23	0.37
3	Rent, Rates & Taxes	0.02	-
4	Telephone Expenses	0.04	0.08
5	Electricity & Power Charges	0.22	0.28
6	Entertainment Charges	0.02	0.01
7	Fees & Subscription	-	0.02
8	Misc Expenses	0.03	0.01
9	Books & Periodicals	0.00	0.00
10	Printing & Stationary	0.00	0.01
11	Total A&G Expenses	0.58	1.04

Further, it is submitted that the SLDC has incurred higher expenses on account of Consultancy Charges, Conveyance & travelling expenses during FY 2023-24.

7. 2.9 Return on equity: Along with 15.5% of RoE, the Petitioner has considered tax rate to grossed-up RoE and claimed RoE @18.78%. However, consistently, Commission has disallowed the same and given reasons for non-consideration of tax in true-up orders. The reason for such deviation may be explained by the Petitioner.

Reply:

SLDC respectfully submits that the BSPTCL has paid Income Tax on MAT Rate based on its Total Income which includes the Income of SLDC function also. Further, BSPTCL has claimed its RoE grossed up with MAT based on its Normative Equity. The Hon'ble Commission has also considered and allowed the same for BSPTCL. However, for SLDC function, the Hon'ble Commission has disallowed the MAT rate therefore, BSPTCL has to face monetary loss on account of SLDC Income. Therefore,

SLDC requests the Hon'ble Commission to kindly consider the same and approve the RoE grossed up with MAT for SLDC Function.

8. 2.11 Non-tariff income: It is observed that non-tariff income is reduced significantly in FY 23-24 in comparison with FY 22-23. The detailed reasons for the same should be submitted.

Reply:

SLDC respectfully submits that it has claimed its Non-Tariff Income based on the audited annual accounts. However, there is an inadvertent error while computing the Application Fees under Other Income of SLDC function during preparation of Audited Accounts of FY 2023-24. Therefore, SLDC shall claim its revised Non-Tariff Income after retrospective adjustment of the error in its audited annual accounts of the next Year.

APR For FY 2024-25

9. 3.2 Capital expenditure and capitalisation: The details about the scheme of AC installation in Server and control room be submitted

Reply:

SLDC respectfully submits the details of the scheme of AC installation in server and control room as **Annexure - 7**.

10. 3.5.1 Employee expenses: Form F14(c) shows reduction of employee number to 33 during FY 24-25. How the reduction in employee number has been considered while making the projection of employee expenses for FY 24-25.

Reply:

SLDC respectfully submits that the actual No. of Employees during FY 2023-24 was 40, However, there 07 No. of Employees are transferred/retired during FY 2024-25 and there is no addition in personnel during FY 2024-25. Therefore, the actual no of Employees during FY 2024-25 is 33. Therefore, SLDC requests the Hon'ble Commission to kindly consider the same.

11. 3.5.2 R&M expenses: The Petitioner has projected higher amount for R&M expenses during FY 24-25. The comparison of AMC cost (scheme wise) for True-up, ASPR and ARR years should be submitted.

For ASBM scheme, approved AMC expenses and projected expenses with documentary proof should be submitted

Reply:

SLDC respectfully submits the comparison of actual AMC cost for FY 2023-24, FY 2024-25 and FY 2025-26 is as follows:

Particulars	Actual for FY 2023-24	Claimed for FY 2024-25	Claimed for FY 2025-26
Certification of ISMS ISO 27001		0.15	0.03
AMC for SAMAST Scheme		2.36	2.36
AMC of SCADA Centre		0.11	0.03
AMC of EMS/SCADA upgradation Project		0.07	0.02
R&M Expenses for ASBM		4.40	5.88
AMC for C-SOC		1.14	1.05
AMC for SCADA Upgradation phase - III		-	-
Replacement of Damaged Cable between SLDC ACDB Panel to DG Room and C-Soc Building to DG Room		0.04	-
Bay integration of existing RTU work at Kaitaiya GSS due to R&M Work		0.08	-
Bay integration of existing RTU work at Valmikinagar GSS due to R&M Work		0.05	-
Deployment of FEP and ICCP firewall in SCADA System		0.18	-

Particulars	Actual for FY 2023-24	Claimed for FY 2024-25	Claimed for FY 2025-26
R&M Expenses for additional features in Software of ASBM		0.37	0.30
Total		8.94	9.67

ARR for MYT control period

12. 5.5.2 R&M expenses: The Petitioner has not projected AMC of several schemes. Please clarify the reason for not projecting any value under those schemes.

What is reason for sudden increase of expenses for 'Certification of ISMS ISO 27001 in FY 27-28

The reason for projecting AMC for SCADA Up gradation phase- III only in third year should be provided. The details to be covered under the AMC should be provided.

Provide details of additional features in Software of ASBM for which separate cost is projected by the Petitioner

Reply:

SLDC respectfully submits that it has claimed AMC cost based on the existing Agreement with the vendors and further claimed the same for upcoming years based on its requirements. Therefore, SLDC requests the Hon'ble Commission to kindly consider the same and approve the AMC cost as claimed by the SLDC.

It is respectfully submitted that the Certification of ISME ISO 27001 is valid for 03 years. After Certification during 1st Year, next 02 Years SLDC have to incurred expenses towards sustenance Audit, and Post 2 years of sustenance period, Re-certification process needs to be initiated which would mean all activities performed in the 1st year will have to be repeated. Accordingly SLDC projected Expenses towards re-Certification during FY 2027-28.

SLDC respectfully submits that the AMC cost of SCADA upgradation is expected to be started during FY 2027-28. Therefore, SLDC projects the same for FY 2027-28.

SLDC respectfully submitted that it is in the process to include the AI backed features in its ASBM software for smooth functioning of the software.

13. 5.9 Return on equity: The Petitioner has projected a different MAT rate in MYT period in comparison with the MAT rate proposed for APR year. The reason for the same may be provided.

Reply:

SLDC respectfully submits that it has claimed Tax Rate of 17.47% for each year of the Control Period of FY 2025-26 to FY 2027-28. However, there is a reduction in Rate of Return on Equity to 14% from 15.50% for the upcoming Control Period of FY 2025-26 to FY 2027-28 based on the BERC MYT Tariff Regulations, 2024. Therefore, the Effective Rate of Return on Equity is also on lower side. The Details of the computation is as follows:

Sl. No.	Particulars	Claimed for FY 2023-24	Claimed for FY 2024-25	Claimed for FY 2025-26	Claimed for FY 2026-27	Claimed for FY 2027-28
1	Rate of Return on Equity	15.50%	15.50%	14.00%	14.00%	14.00%
2	MAT Rate%	17.47%	17.47%	17.47%	17.47%	17.47%
3	Effective Rate of Return on Equity	18.78%	18.78%	16.96%	16.96%	16.96%

Therefore, SLDC requests the Hon'ble Commission to kindly consider the Effective Rate of Roe as claimed by the SLDC.

SLDC charges

14. 6.1 Carrying cost: The detailed calculation of carrying cost with all assumptions may be submitted in Petition and in excel sheet.

Reply:

SLDC respectfully submits that it has considered the Weighted average rate of SBI MCLR (01 year tenure) applicable during FY 2023-24. Further, it has added 150 Basis points as per the methodology adopted by the Hon'ble Commission in its earlier order.

Sl. No.	From Date	To Date	No. of Days	Base Rate	Amount
1	01-04-2023	14-04-2023	13	8.50%	1.11
2	14-04-2023	14-05-2023	31	8.50%	2.64
3	15-05-2023	14-06-2023	31	8.50%	2.64
4	15-06-2023	14-07-2023	30	8.50%	2.55
5	15-07-2023	14-08-2023	31	8.55%	2.65
6	15-08-2023	14-09-2023	31	8.55%	2.65

Sl. No.	From Date	To Date	No. of Days	Base Rate	Amount
7	15-09-2023	14-10-2023	30	8.55%	2.57
8	15-10-2023	14-11-2023	31	8.55%	2.65
9	15-11-2023	14-12-2023	30	8.55%	2.57
10	15-12-2023	14-01-2024	31	8.65%	2.68
11	15-01-2024	14-02-2024	31	8.65%	2.68
12	15-02-2024	14-03-2024	29	8.65%	2.51
13	15-03-2024	31-03-2024	17	8.65%	1.47
14	Rate of Interest on Loans				8.57%
15	Applicable Rate of Interest for computation of Carrying Cost				10.07%

Therefore, SLDC requests the Hon'ble Commission to kindly consider the same and approve the carrying cost as claimed by the SLDC.

15. 6.3. Methodology for recovery of ARR: As per BERC MYT Regulations 2024, SLDC Charges per MW per month shall be computed by SLDC. The same may be included in the Petition appropriately.

Present user wise allocated capacity may be submitted.

Reply:

SLDC respectfully submits the proposed Monthly SLDC Charges per MW per month as follows:

Sl. No.	Particulars	FY 2025-26
1	Annual SLDC Operating Charges for FY 2025-26 (Cr.)	33.35
2	Monthly SLDC Operating Charge for FY 2025-26 (Cr.)	2.78
3	Total Contracted/ Allocated capacity (MW)	9555
4	Monthly SLDC Operating Charges (Rs./MW)	2908.78

Further, SLDC submits the present user wise allocated capacity as follows:

Sl. No.	DISCOMs/LTA/PAYEE	Contracted/ Allocated capacity (MW)
1	NBPDCL	3992
2	SBPDCL	4686
3	NTPC, Barauni	500
4	ECR, Hajipur	100
5	Bihar State Hydro Power Corporation	54
6	Response Renewable Energy Ltd. (Nawada)	10

Sl. No.	DISCOMs/LTA/PAYEE	Contracted/ Allocated capacity (MW)
7	Welspun/ Walehan Solar Bh Ltd(Sherghati) P-I	15
8	Welspun/ Walehan Solar Bh Ltd (Sherghati)P-II	15
9	Welspun/ Walehan Solar Bh Ltd (Sherghati) P-III	10
10	Avantika Constructors(I) Ltd.	5
11	ACME (Magadh Solar Power Pvt. Ltd.)	10
12	ACME (Nalanda Solar Power Pvt. Ltd.)	15
13	Azure Power Eris Pvt. Ltd.(Murera, Ramnagar)	10
14	Sunmark Energy Project Ltd. (Sherghati)	10
15	Udipta Energy Equipment Pvt.Ltd. (Banka)	5
16	Alfa InfrapropPvt. Ltd. (Rafiganj)	20
17	GLAT SPP- Nawada	3
18	Bihar Distillers &BottelersPvt. Ltd. (Ara)	9
19	Harinagar Sugar Mill (Ramnagar)	15
20	Hasanpur Sugar Mill (Dalsinghsarai)	10
21	Riga Sugar Mill (Sitamarhi)	3
22	Tirupati Sugar Ltd.	6
23	Siddhashra Rice Mill (Buxar)	2
24	Avaada	50
	Total Capacity	9555

Therefore, SLDC requests the Hon'ble Commission to kindly consider the same and allow the Monthly SLDC charges as computed by the SLDC.

Directives

16. 8.2 Ring Fencing of SLDC: The progress made during FY 23-24 and FY 24-25 (as on date) may be submitted

Reply:

SLDC respectfully submits that the matter has been taken up to the Board for approval. SLDC is waiting for approval from Board.

Truing-up for FY 2023-24, Annual Performance Review (APR) for FY 2024-25 and Multi Year Tariff ARR for the control period of FY 2025-26 to FY 2027-28 & SLDC operating charges for FY 2025-26 For State Load Despatch Centre (SLDC) Under Bihar State Power Transmission Company Limited

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Bihar State Load Despatch Centre (SLDC)						
Statement of Projected Profit and Loss		Form No: S1				
Particulars		Previous Year	Current Year	Ensuing Year	Ensuing Year	Ensuing Year
		FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28
A	Revenue/Income					
1	Revenue from operations					
	a) Revenue from Transmission/Wheeling charges					
	-NBPDCCL					
	SBPDCL					
	Railway					
2	Non-tariff income					
3	Revenues through subsidies & grants (If any)					
4	Any other Income					
	Total Revenue*					
B	Expenditure					
1	Repair and Maintenance Cost					
2	Employee costs					
3	Administration expenses					
4	Other Expenses					
6	Less: Expenses Capitalized					
7	Interest on Working Capital					
8	Incentive on Transmission Availability					
9	Incentive on Transmission Losses					
10	Sharing of Losses/(Gains)					
11	Income Tax					
C	Depreciation and Related debits					
D	Interest & Finance Charges					
	Less: Interest Capitalized					
E	Return on Equity					
G	TOTAL EXPENDITURE (B+C+D)*					
I	Add: Previous Year Gap					
J	Profit/Loss (A-G)					

* Pertaining to SLDC Business Only

Signature of Petitioner

Bihar State Load Despatch Centre (SLDC)**Projected Balance Sheet****Form No: S2**

Rs Crores

Particulars	Previous Year	Current Year	Ensuing Year	Ensuing Year	Ensuing Year
	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28
Assets					
Non-current assets					
₹-----					
₹-----					
₹-----					
Current assets					
₹-----					
₹-----					
₹-----					
Total Assets					
	Regulatory Account for the purpose of calculation of Normative Loan , Equity etc as per prescribed regulation is under progress				
EQUITY AND LIABILITIES					
Equity					
₹-----					
₹-----					
₹-----					
LIABILITIES					
₹-----					
₹-----					
₹-----					
Total Equity and Liabilities					

Signature of Petitioner

Bihar State Load Despatch Centre (SLDC)**Projected Cash Flow Statement**

Form No: S3

Rs Crores

Particulars		Previous Year	Current Year	Ensuing Year	Ensuing Year	Ensuing Year
		FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28
A		Cash flows from operating activities				
	i	Net (loss) / Profit				
		Adjustments For				
	ii	₹-----				
	iii	₹-----				
	iv	₹-----				
B		Net Cash flows from operating activities				
		Cash Flow from Investing Activities				
	i	₹-----				
	ii	₹-----				
	iii	₹-----				
C		Net Cash used in Investing Activities				
		Cash Flow from Financing Activities				
	i	₹-----				
	ii	₹-----				
	iii	₹-----				
		Net Cash generated from Financing Activities				
D		Total Cash generated/(lost)				
E		Cash & Cash Equivalants as at beginning of the Financial Year				
F		Cash & Cash Equivalants as at end of the Financial Year				

Regulatory Account for the purpose of calculation of Normative Loan , Equity etc as per prescribed regulation is under progress

Signature of Petitioner

ARR for SLDC

Form-F1

Sl No.	Particulars	FY 2023-24		FY 2024-25		Projected in MYT ARR FY 2025-26	Projected in MYT ARR FY 2026-27	Projected in MYT ARR FY 2027-28
		Approved in Tariff Order dated 21.03.2023	Claimed in Truing-up of FY 2023-24	Approved in Tariff Order dated 01.03.2024	Claimed in APR FY 2024- 25			
A.	Income from Transmission Function							
1	Receipts							
A	Transmission/Wheeling Charges at current tariff rates	13.37	13.37	20.78	20.78			
B	Subsidy from Govt. (If any)							
	Total Receipts (A)	13.37	13.37	20.78	20.78			
B	Expenditure							
1	O&M Expenses							
I	Employee Expenses	6.91	6.36	6.94	6.71	7.07	7.46	7.87
ii	R&M Expense	2.46	2.83	2.51	8.94	9.67	9.62	12.32
iii	A&G Expense	0.70	1.04	0.68	1.12	1.20	1.29	1.39
iv.	Share of Holding Company Expenses							
	Total O&M expenses (i+ii+iii+iv)	10.07	10.23	10.13	16.77	17.95	18.38	21.57
2	Return on Equity	0.48	0.75	2.67	2.19	3.11	3.11	3.11
3	Depreciation	2.74	1.99	8.03	5.82	9.17	9.17	9.17
4	Interest and finance charges on Loan	0.06	0.35	2.38	1.55	2.25	1.46	0.68
	Less: IDC, if any							
5	Interest on Working Capital	0.29	0.31	0.44	0.61	0.57	0.57	0.64
6	Contribution towards Contingency Reserve							
7	Bad Debts							
8	Sharing of Gains and Losses							
	Total Expenditure (B)	13.64	13.62	23.64	26.94	33.05	32.70	35.18
C	Other Deductions							
1	Income from other Business							
2	Non-tariff income	0.49	0.12	0.48	0.12	0.12	0.12	0.12
	Revenue from Short Term SLDC charges							

ARR for SLDC

Form-F1

Sl No.	Particulars	FY 2023-24		FY 2024-25		Projected in MYT ARR FY 2025-26	Projected in MYT ARR FY 2026-27	Projected in MYT ARR FY 2027-28
		Approved in Tariff Order dated 21.03.2023	Claimed in Truing-up of FY 2023-24	Approved in Tariff Order dated 01.03.2024	Claimed in APR FY 2024- 25			
	Total Other Deductions (C)	0.49	0.12	0.48	0.12	0.12	0.12	0.12
D	Net ARR for SLDC (B-C)	13.15	13.50	23.16	26.81	32.93	32.58	35.05
E	Shortfall/(Excess) before tariff revision impact (A-D)	0.22	0.22	(2.38)	(2.38)	0.42		
F	Tariff Revision Impact	13.37	13.72	20.78	24.43	33.35	32.58	35.05
G	Shortfall/Excess after tariff revision impact (E-F)	(0.00)	0.35	0.00	3.65			

Signature of Petitioner

Sl. No.	Particulars	Truing up Surplus of FY 2023-24
1	Revenue Gap in True Up of 2023-24	0.35
	Interest for FY 2023-24 [SBI MCLR +1.50%] for 6 months	0.02
3	Interest for FY 2024-25 [SBI MCLR +1.50%] for 1 year	0.04
4	Interest for FY 2025-26 [SBI MCLR +1.5%] for 6 months	0.02
5	Total Revenue Gap with Carrying Cost	0.42

Sl. No.	Particulars	FY 2025-26
1	ARR of FY 2025-26	35.05
2	Revised ARR for FY 2025-26 (Including Revenue Surplus with Carrying Cost)	35.47
3	Monthly ARR for FY 2025-26	2.96

Users of SLDC and SLDC Charges			
Sl. No.	DISCOMs/LTA/PAYEE	Contracted/ Allocated capacity(MW)	SLDC Charges per month in Rs.
1	NBPDCL	3992	1,16,11,511
2	SBPDCL	4686	1,36,30,905
3	NTPC, Barauni	500	14,54,391
4	ECR, Hajipur	100	2,90,878
5	Bihar State Hydro Power Corporation	54	1,57,074
6	Response Renewable Energy Ltd. (Nawada)	10	29,088
7	Welspun/ Walehan Solar Bh Ltd(Sherghati) P-I	15	43,632
8	Welspun/ Walehan Solar Bh Ltd (Sherghati)P-II	15	43,632
9	Welspun/ Walehan Solar Bh Ltd (Sherghati) P-III	10	29,088
10	Avantika Constructors(I) Ltd.	5	14,544
11	ACME (Magadh Solar Power Pvt. Ltd.)	10	29,088
12	ACME (Nalanda Solar Power Pvt. Ltd.)	15	43,632
13	Azure Power Eris Pvt. Ltd.(Murera, Ramnagar)	10	29,088
14	Sunmark Energy Project Ltd. (Sherghati)	10	29,088
15	Udipta Energy Equipment Pvt.Ltd. (Banka)	5	14,544
16	Alfa Infracorp Pvt. Ltd. (Rafiganj)	20	58,176
17	GLAT SPP- Nawada	3	8,726
18	Bihar Distillers & Bottlers Pvt. Ltd. (Ara)	9	27,343
19	Harinagar Sugar Mill (Ramnagar)	15	42,177
20	Hasanpur Sugar Mill (Dalsinghsarai)	10	29,088
21	Riga Sugar Mill (Sitamarhi)	3	8,726
22	Tirupati Sugar Ltd.	6	17,453
23	Siddhashra Rice Mill (Buxar)	2	5,818
24	Avaada	50	1,45,439
	Total Capacity	9554.90	2,77,93,128

Signature of Petitioner

Bihar State Load Despatch Centre (SLDC)

Form No: F2

Alloted Transmission Capacity and Charges to be paid by Long Term Transmission Customers

Alloted Transmission Capacity of Long Term Transmission Customers (CL)

In MW

	Particulars	FY 2023-24		FY 2024-25		FY 2025-26	FY 2026-27	FY 2027-28
		Approved in MYT/RE	Actual	Approved in MYT/RE	Apr-Mar (Revised)	Projections	Projections	Projections
A	Distribution Licensees							
1	North Bihar Power Distribution Company Limited							
2	South Bihar Power Distribution Company Limited							
3								
	i.							
	ii.							
B	Bulk Consumers/Long Term Open Access Customers (If any)							
1	Railway							
2								
	Sum of Total Alloted Transmission Capacity to all the long term Transmission system customers (SCL)							

Not Applicable for SLDC Function

Charges to be paid by Long Term Transmission Customers

A	Distribution Licensees							
1	North Bihar Power Distribution Company Limited							
2	South Bihar Power Distribution Company Limited							
3	Others							
	i. Transmission Charges							
	ii.							
B	Bulk Consumers/Long Term Open Access Customers (If any)							
1	Railway							
2								
	Total							

Signature of Petitioner

Bihar State Load Despatch Centre (SLDC)

Projection of Sales , Connected Load and Demand

Form No:F3 Form No:F3

A) Projection of Sales (MU)								
	Particulars	FY 2023-24		FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	
		Approved in MYT	Actual					
A	Distribution Licenses							
1	North Bihar Power Distribution							
2	South Bihar Power Distribution							
3	Others							
B	Bulk Consumers /							
1								
2								
	TOTAL							

Not Applicable for SLDC Function

B) Projection of Connected Load (in KW)								
	Particulars	FY 2023-24		FY 2024-25		FY 2025-26	FY 2026-27	FY 2027-28
		Approved in MYT	Actual	Approved in MYT	Apr-Mar (Revised)	Projections	Projections	Projections
A	Distribution Licenses							
1	North Bihar Power Distribution							
2	South Bihar Power Distribution							
3	Others							
	i.							
	ii.							
B	Bulk Consumers /Long Term							
1	Railway							
2								
	TOTAL							

Not Applicable for SLDC Function

C) Projection Of Maximum or Peak Demand (in MW)(Unrestricted)								
	Particulars	FY 2023-24		FY 2024-25		FY 2025-26	FY 2026-27	FY 2027-28
		Approved in MYT	Actual	Approved in MYT	Apr-Mar (Revised)	Projections	Projections	Projections
A	Distribution Licenses							
1	North Bihar Power Distribution							
2	South Bihar Power Distribution							
3	Others							
B	Bulk Consumers /Long Term							
1	Railway							
2								
	TOTAL							

Bihar State Load Despatch Centre (SLDC)

Revenue

At Current Tariff Rates

Form No: F4

Rs. Crores

	Particulars	FY 2023-24		FY 2024-25		FY 2025-26	FY 2026-27	FY 2027-28
		Approved in MYT	Actual	Approved in MYT	Apr-Mar (Revised)	Projections	Projections	Projections
A	Distribution Licensees							
1	North Bihar Power Distribution Company Limited							
2	South Bihar Power Distribution Company Limited							
3	Others (Railway)							
	i.							
	Less Discount given to DISCOM							
	TOTAL							
B	Bulk Consumers/Long Term Open Access Consumers (If any)							
1	Railway							
2								
	TOTAL							
	Grand Total							

Not Applicable for SLDC Function

Signature of Petitioner

Bihar State Load Despatch Centre (SLDC)

(a) Details of Transmission Lines and Substations

Transmission Lines

No	Name of line	Type of Line AC/HVDC	S/C OR D/C	No. Of Sub- conductors	Voltage level KV	Line length Ckt.-Km.	Date of Commercial operation/ put in use
1							
2							
3							
4							
5							
Total length						-	

Transmission Sub-station

No	Name of Sub- station	Voltage level	Capacitors/Reactors/ SVC etc (with capacity)				No. Of Bays		Date of Commercial operation/ put in use	Covered in this petition (Yes/No)
			220/132 KV		132/33 KV		220 KV	132 kV		
			Number	Capacity	Number	Capacity	Number	Number		
1										
2										
3										
4										
5										
159	Total		70		410		221	1239		

(c) Details of Installed Transformer at Substation

Sl.	Voltage Ratio of Transformer (kv/kv)	Details of Transformers	
		Total number	Total Capacity (MVA)
1	400/220		
2	400/132		
3	220/132		
4	220/33		
5	132/33		

(d) Investment Plan (Scheme-wise)

Name of scheme / Project	Name of line/ Sub-station etc	Approved Outlay		Progressive upto the beginning of previous year		Previous year			Current year (RE)		Ensuing Years (Projection)		Progressive Capital expenditure upto the end of ensuing year (s)	
		Approved in MYT/RE	Actual*	Capitalization	Capital Expenditure (CWIP)	Approved in MYT/RE			Capitalization	Capital Expenditure (CWIP)	Capitalization	Capital Expenditure (CWIP)	Capitalization	Capital Expenditure (CWIP)
						Capitalization	Capital Expenditure	Capital Expenditure (CWIP)						
Statement of Capital Expenditure and Capitalization is provided in Annexure III, and Annexure VI of the Petition														

Not Applicable for SLDC Function

**Must be in agreement with the figures shown in audited account, otherwise statement must be accompanied.
 * Please furnish separately details regarding approval of Capital Investment (Procedure for Filing Capital Investment and Capitalization Plan) Regulations, 2018 and indicate the portion which is not approved under BERC (Procedure for Note:
 Ø The amount of grants and loans shall be furnished separately for each funding agency wise.
 Ø Additional column may be inserted (if required) for projection.
 Ø All information for previous year, current year (RE) and ensuing year must be in line with information approved in MYT/Business Plan (if any), other-wise a statement showing complete details of variation must be accompanied.
 Ø CWIP shall mean Capital Work in Progress

(e) Investment Plan (Year-wise)

S.N	Year	Originally proposed	Approved by the Commission	Revised	Revised approval by the Commission in review	Actual expenditure
Statement of Capital Expenditure and Capitalization is provided in Annexure III and VI of the Petition						

Note: i) Information for previous year to be given in columns 1 to 7 co-relating the information given in current or earlier MYT/Business Plan (if any).
 ii) Information for the current year to be given in columns 1 to 5 co-relating the information given in MYT/Business Plan (if any)
 iii) Amount of grants and loans shall be furnished separately funding Agencywise and yearwise.

Signature of Petitioner

Bihar State Load Despatch Centre (SLDC)

Name of Transmission Licensee

(f) Abstract of Capital Cost for the existing Project, Capital Cost Estimates and Schedule of Commissioning for the New projects

Form No:F5
Rs Crores

	Particulars	Form	FY 2023-24		FY 2024-25		FY 2025-26	FY 2026-27	FY 2027-28
			Approved in MYT/RE	Actual	Approved in MYT	Estimated	Projected	Projected	Projected
1	Capital Cost	F12							
	₹-Foreign Component								
	Foreign Exchange rate considered for the admitted cost								
	₹-Domestic Component								
	₹-IDC including Financing Charges								
	Capital cost admitted as on-----								
	(Give reference of the BEREC relevant Order with Petition No. & Date)								
2	Less : Capital Expenditure(CWIP)	F9							
3	Less : User contributions and Grants	F10							
4	Total Capital Cost admitted	F8							
5	Increase /Decrease due to FERV								
6	Capital Cost for Purposes of ARR*								

*Must be in agreement with the figures shown in Form No: F5 (page-2), other relevant statement must be accompanied.

Note

1. Copy of approval letter should be enclosed. Deviation in cost of work if any, must be submitted in detailed.
2. Details of IDC & Financing Charges are to be furnished.

Not Applicable for SLDC Function

(g) Financial Package of Capital cost A+

Rs. Crores

Particulars	FY 2023-24		FY 2024-25		FY 2025-26	FY 2026-27	FY 2027-28
	Currency	Amount	Currency	Amount	Amount	Amount	Amount
Loans							
Loan-I							
Loan-II							
and so on							
Total Loan							
Equity							
Foreign							
Domestic							
Total Equity							
Total Capital cost							
Debt : Equity Ratio							

Provide details for True-up period, Current Year and each of ensuing years separately.

Bihar State Load Despatch Centre (SLDC)
(h) Capital Cost Estimates and Schedule of commissioning for New Projects

Form No: F5

Particulars	Present Day Cost	Completed Cost			
Date of approval of the Capital cost estimates:					
Price level of approved estimates	As of End of _____ Qtr. Of the year _____	As on Scheduled COD of the Station			
Foreign Exchange rate considered for the Capital cost estimates	Not Applicable				
	FY 2023-24	FY 2024-25	FY 2025-26	FY 2027-28	FY 2027-28
Capital Cost excluding IDC, FC, FERC & Hedging Cost					
Foreign Component, if any (In Million US \$ or the relevant Currency)					
Domestic Component (Rs. crores)					
Capital cost excluding IDC, FC, FERC & Hedging Cost (Rs. crores)					
IDC, FC, FERC & Hedging Cost					
Foreign Component, if any (In Million US \$ or the relevant Currency)					
Domestic Component (Rs. crores)					
Total IDC, FC, FERC & Hedging Cost (Rs. crores)					
Rates, taxes & duties considered					
Capital cost Including IDC, FC, FERC & Hedging Cost					
Foreign Component, if any (In Million US \$ or the relevant Currency)					
Domestic Component (Rs. crores)					
Capital cost Including IDC, FC, FERC & Hedging Cost (Rs. crores)	-	-	-	-	-
Schedule of Commissioning					
((Scheduled DOC elementwise))	Not Applicable				

COD of last Unit/ Block					
Note:					
1. Copy of approval letter should be enclosed.					
2. Details of Capital cost are to be furnished as per Form F5-5 or Form 14(Additional Capitalization) as applicable.					
3. Details of IDC & Financing Charges are to be furnished as per Form 20					

Signature of Petitioner

Bihar State Load Despatch Centre (SLDC)**(k) Statement of Additional Capitalization**

Form No: F5

Rs. Crores

No	Year	Work/ Equipment proposed to be added after COD up to Cut off Date/ Beyond Cut off Date	Amount capitalised and Proposed to be capitalised	Justification	Regulation under	Cost ¹
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
			0			0

Not Applicable for SLDC Function

Note:

- 1 Fill the form in chronological order year wise along with detailed justification clearly bring out the
- 2 In case initial spares are purchased alongwith any equipment, then the cost of such spares should

Signature of Petitioner

Bihar State Load Despatch Centre (SLDC)**(m) Capital Work-In-Progress (CWIP) (in Rs. Crores)**

Sl. No.	Particulars	FY 2023-24			FY 2024-25			FY 2025-26	
		Loan	Grant	Equity	Loan	Grant	Equity	Loan	Grant
1	Opening CWIP								
2	New Investment								
3	Less Capitalization(a+b)								
	a) CWIP Capitalization								
	b) IDC								
	c) New Investment capitalization								
4	Closing CWIP (1+2-3)								

Not Applicable for SLDC Function

Bihar State Load Despatch Centre (SLDC)

Normative Parameters Considered for Tariff Computations

Form No: F6

	Particulars		FY 2023-24		FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28
			Approved in MYT/RE	Actual	Estimated	Projection	Projection	Projection
1	Target Availability	%						
	AC System	%						
	HVDC bi-pole links	%						
	HVDC back-to-back Stations	%						
2	Normative O&M per ckt.km, if any	Rs. Crores						
3	Normative O&M per bay, if any	Rs. Crores						
4	Normative A&G expenses per ckt.km, if any	Rs. Crores						
5	Normative A&G per bay, if any	Rs. Crores						
6	Normative R&M expenses	% of GFA						
7	Maintenance Spares for Working Capital, if any	%						
8	Receivables for Working Capital	%						
9	Effective Rate of Return	%						
10	Base Rate of Return	%						
11	State Bank one-year 'MCLR' as on	%						
12	Bank Rate as on	%						

Not Applicable for SLDC Function

Signature of Petitioner

Form -F7

	Particulars	FY 2023-24		FY 2024-25		Projected in MYT ARR FY 2025-26	Projected in MYT ARR FY 2026-27	Projected in MYT ARR FY 2027-28
		Approved in Tariff Order dated 21.03.2023	Claimed in Truing-up of FY 2023-24	Approved in Tariff Order dated 01.03.2024	Claimed in APR FY 2024-25			
A	Gross Fixed Assets (as beginning of the year):							
	1. GFA as per (Financial/Statutory Account)	10.32	10.01	54.05	16.47	61.17	61.17	61.17
	2. Expenditure allowed but not capitalized in Financial/Statutory Account							
	3. Expenditure Capitalized in Financial/Statutory Account but not allowed.							
	4. Admitted GFA(1+2-3)	10.32	10.01	54.05	16.47	61.17	61.17	61.17
B	Addition/ adjustment to Gross Fixed Assets (During the year):							
	5. Expenditure capitalized in Financial/ Statutory Account							
	a) From PSDF grant	0.04	6.46	6.72	44.70	0.00	0.00	0.00
	b) From IRF							
	c) Loan							
	6. Expenditure allowed but not capitalized in Financial/Statutory Account							
	7. Expenditure Capitalized in Financial/Statutory Account but not Allowed.							
C	8. Gross Fixed Assets (as at end of the year) Admitted by the commission (4+5+6-7)	10.36	16.47	60.77	61.17	61.17	61.17	61.17
D	9. Average GFA (Op+Clo)/2	10.34	13.24	57.41	38.82	61.17	61.17	61.17
E	Depreciation	2.74	1.99	8.03	5.82	9.17	9.17	9.17

Signature of Petitioner

Bihar State Load Despatch Centre (SLDC)

(d) Statement of Assets Not in Use

Form No: F7

Rs. Crores

Financial Year*					
Sl. No.	Date of Acquisition/Installation	Historical Cost/Cost of Assets	Accumulated Depreciation on date of withdrawal	Written down value on date of withdrawal	
					NIL
*Note:- Information for Previous Year, Current Year & Ensuing Control Period					

Not Applicable for SLDC Function

Signature of Petitioner

Bihar State Load Despatch Centre (SLDC)

User contributions and grants towards cost of capital assets (Rs. Crores)

Form No: F8

Sl. No.	Particulars	FY 2023-24 (Actual)			FY 2024-25 (Estimate)		FY 2025-26 (Projection)		FY 2026-27 (Projection)		FY 2027-28 (Projection)	
		Balance at the start of the year	Additions	Balance at the end of the Year	Additions	Balance at the end of the Year	Additions	Balance at the end of the Year	Additions	Balance at the end of the Year	Additions	Balance at the end of the Year
1	User contributions Towards Cost Of Capital Assets											
2	Grant Towards Cost Of Capital Assets											
A	Total (1+2)											
Amount utilized for Assets forming part of Depreciable GFA												
3	User contributions Towards Cost Of Capital Assets											
4	Grant Towards Cost Of Capital Assets											
B	Total (3+4)											
Amount utilized for Assets forming part of non-Depreciable GFA												
5	User contributions Towards Cost Of Capital Assets											
6	Grant Towards Cost Of Capital Assets											
C	Total (5+6)											
Amount remains un-utilized (A-B-C)												
7	User contributions Towards Cost Of Capital Assets											
8	Grant Towards Cost Of Capital Assets											
C	Total (7+8)											
D	Amount utilized for CWIP out of "C" above											
E	Amount kept in Bank out of "C" above											
F	Depreciation on assets created out of grants (Admitted)											
G	Depreciation. on assets created out of grants (Financial/Statutory Account)											

Not Applicable for SLDC Function

Summation of D&E must be equal to C, otherwise a reconciliation statement must be accompanied.

Signature of Petitioner

Bihar State Load Despatch Centre (SLDC)**(a) Details of Loans for the year****FY 2023-24****Form No: F9**

S.N	Particulars	Purpose of loan	Opening balance	Rate of Interest	Addition during the year	Repayment during the year	Closing balance	Amount of interest paid*
	1	2	3	4	5	6	7	8
1	Bank Loan	Capital Investment						
2	ADB	Capital Investment						

(b) Details of Loans for the year**FY 2024-25**

S.N	Particulars	Purpose of loan	Opening balance	Rate of Interest	Addition during the year	Repayment during the year	Closing balance	Amount of interest paid*
	1	2	3	4	5	6	7	8
1	ADB							
2	Bank Loan							

Not Applicable for SLDC Function**(c) Details of Loans for the year****FY 2025-26**

S.N	Particulars	Purpose of loan	Opening balance	Rate of Interest	Addition during the year	Repayment during the year	Closing balance	Amount of interest paid*
	1	2	3	4	5	6	7	8
1	ADB	Capital Investment						
2	Bank Loan	Capital Investment						

(c) Details of Loans for the year**FY 2026-27**

S.N	Particulars	Purpose of loan	Opening balance	Rate of Interest	Addition during the year	Repayment during the year	Closing balance	Amount of interest paid*
	1	2	3	4	5	6	7	8
1	ADB	Capital Investment						
2	Bank Loan	Capital Investment						

(b) Further Details in case of Foreign Loans

S.N	Particulars				Date	Amount (Foreign Currency)	Exchange Rate	Amount in Rs. Crore
	Name of Currency	<u>Not Applicable for SLDC Function</u>						
	Loan drawal							
	Scheduled Principal Repayment							
	Actual Principal Repayment							
	Scheduled Interest payment							
	Actual Interest payment							
	Period of hedging							
	Cost of hedging							
2	Regulatory Reference:							
3	ARR linkage:							
4	Requirement:							
5	Truing Up linkage:							

Note: Information to be furnished for the previous year (actuals), current year (RE) and ensuing years

(c) Information Regarding Restructuring of Outstanding Loans During the Year

S.N	Source of loan	Amount of original loan	Old rate of interest	Amount already restructured	Revised rate of interest	Amount now being restructured	New rate of interest
1	2	3	4	5	6	7	8
	Not Applicable						

Signature of Petitioner

Bihar State Load Despatch Centre (SLDC)(d) Domestic loans, bonds and financial leasing

Form No: F9

Rs. Crores

Sl. No.	Particulars	Opening Balance at the beginning of the year				Amount received during the year	Principal repayment	Interest			Closing Balance	
		Principal not overdue	Principal overdue	Interest overdue	Total			paid	%	Principal	Interest Overdue	
A	LONG-TERM											
1	BSPHCL - ADB											
2	Bank Loan											
	Sub Total (A)											
B	SHORT-TERM											
1												
2												
3												
4												
	Sub Total (A)	-	-	-	-	-	-	-	-	-	-	-
	Total (A+B)	-	-	-	-	-	-	-	-	-	-	-

*Note:- Loanwise information to be provided for Previous Year, Current Year & Control period. Also indicate rate of interest and other conditions.

Signature of Petitioner

Bihar State Load Despatch Centre (SLDC)

Form No: F9

(e) Statement of Reconciliation of Net Actual Loan (opening) with Net Normative Loan (Opening) (Rs. In Crore)

Particulars		FY 2023-24 (Actual)	FY 2024-25 (Estimates)	FY 2025-26 (Projection)	FY 2026-27 (Projection)	FY 2027-28 (Projection)
Net Actual Loan as per Books of Accounts as on :						
	Dometic					
	Foreign					
Add:Repayment Made till Date						
Gross Actual Loan						
Add:Equity considered as normative loan						
Gross Normative Loan						
Less : Depreciation Recovered as per Date						
Net Normative Loan						

Not Applicable for SLDC Function

Signature of Petitioner

Sl. No	Particulars	FY 2023-24		FY 2024-25		Projected in MYT ARR FY 2025-26	Projected in MYT ARR FY 2026-27	Projected in MYT ARR FY 2027-28
		Approved in Tariff Order dated 21.03.2023	Claimed in Truing-up of FY 2023-24	Approved in Tariff Order dated 01.03.2024	Claimed in APR FY 2024-25			
1	Opening Balance	3.10	3.01	16.22	4.95	18.36	18.36	18.36
2	Addition	0.01	1.94	2.02	13.41	0.00	0.00	0.00
3	Deletions	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Closing Balance	3.11	4.95	18.24	18.36	18.36	18.36	18.36
5	Average Balance	3.11	3.98	17.23	11.65	18.36	18.36	18.36
6	Rate ROE	15.50%	15.50%	15.50%	15.50%	14.00%	14.00%	14.00%
7	Tax Rate	0.00%	17.47%	0.00%	17.47%	17.47%	17.47%	17.47%
8	Effective Rate of Return on Equity	15.50%	18.78%	15.50%	18.78%	16.96%	16.96%	16.96%
9	Return on Equity	0.48	0.75	2.67	2.19	3.11	3.11	3.11

Signature of Petitioner

Bihar State Load Despatch Centre (SLDC)**Interest and Finance Charges(Rs. Crores)**

Form No: F11

S.N.	Source of loan	Purpose of loan	FY 2023-24 (Actual)	FY 2024-25 (Estimate)	FY 2025-26 (Projections)	FY 2026-27 (Projections)	FY 2027-28 (Projections)
1	2	3	4	5	6		8
1	SLR Bonds						
2	Non SLR Bonds						
3	LIC						
4	REC						
5	PFC						
6	Commercial Banks						
7	Bills discounting						
8	Lease rental						
9	ADB Loan	Construction of New GSS, BAY & Line					
10	Total						
11	Add: State Govt. Loan						
12	Total (10 +11)						
13	Less IDC						
14	Net Interest						
15	Add prior period adjustment *						
16	Total Interest						
17	Finance charges						
18	Total Interest and finance charges						

* Year-wise details should be submitted with documentary evidence. Further Rate of interest of
Further Details in case of Foreign Loans

	Particulars	Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee	
1	Loans				Note: Drawal of debt and equity shall be on paripassu basis to meet the commissioning schedule. Drawal of higher equity in the beginning is permissible. Also specify basic allocation to
1.1	Foreign Loans				
1.1.1	Foreign Loan 1				
	Draw down Amount				
	IDC				
	Financing charges				
1.1.2	Foreign Loan 2				
	--				
	--				
	Total Draw down Amount				
	Total IDC				
	Total Financing charges				

Not Applicable for SLDC Function

Interest (IDC) Capitalized

S.N.	Name of scheme /Project	Source	Beginning of previous year	Interest capitalized				
				During Previous year (Actuals)	During Current year (RE)	During ensuing year (s)	During ensuing year (s)	During ensuing year (s)
				FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28
	1	2	3	4	5	6	7	8
1	All Capex Schemes	State Govt						
2								

Signature of Petitioner

Bihar State Load Despatch Centre (SLDC)**Lease details(Rs. Crores)**

Form No: F12

S.N	Name of Lesser	Assets		Leased on	Lease Rentals	Primary Period	Secondary
		Descriptions	Gross Amount			ended / ending by	period ending by
1	2	3	4	5	6	7	8
Not Applicable							

Note: Statement showing Cost benefits analysis of lease must be accompanied.

Signature of Petitioner

Sl. No	Particulars	FY 2023-24		FY 2024-25		Projected in MYT ARR FY 2025-26	Projected in MYT ARR FY 2026-27	Projected in MYT ARR FY 2027-28
		Approved in Tariff Order dated 21.03.2023	Claimed in Truing-up of FY 2023-24	Approved in Tariff Order dated 01.03.2024	Claimed in APR FY 2024- 25			
1	Repair& Maintenance Expenses	2.46	2.83	2.51	8.94	9.67	9.62	12.32
2	Employee Expenses	6.91	6.36	6.94	6.71	7.07	7.46	7.87
3	Administrative and General Expenses	0.70	1.04	0.68	1.12	1.20	1.29	1.39
	Less:							
4	Expenses Capitalized							
5	Net O&M Expenses	10.07	10.23	10.13	16.77	17.95	18.38	21.57

Signature of Petitioner

Form- F14(a)

S.N	Particulars	FY 2023-24		FY 2024-25		Projected in MYT ARR FY 2025-26	Projected in MYT ARR FY 2026-27	Projected in MYT ARR FY 2027-28
		Approved in Tariff Order dated 21.03.2023	Claimed in Truing-up of FY 2023-24	Approved in Tariff Order dated 01.03.2024	Claimed in APR FY 2024- 25			
1	Salaries & Allowances							
(i)	Existing Employees		5.30		6.36	6.71	7.07	7.46
(ii)	New Employees							
(ii)	Total		5.30		6.36	6.71	7.07	7.46
2	Contribution to Terminal Benefits (Accrual Basis)		1.06		-	-	-	-
3	Total of Salary & Allowances and Terminal Benefits	6.53	6.36	6.58	6.36	6.71	7.07	7.46
	Indexation	5.89%		5.40%	5.46%	5.46%	5.46%	5.46%
	Inflationary increase	0.38		0.36	0.35	0.37	0.39	0.41
4	Amount Capitalized	-		-	-	-	-	-
6	Grand Total	6.91	6.36	6.94	6.71	7.07	7.46	7.87

Signature of Petitioner

Bihar State Load Despatch Centre (SLDC)**(b) Price Inflation**

Form No: F14

Particulars	Actual				
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Annual Average CPI Index	323	339	356	378	397
CPI Inflation		5.02%	5.13%	6.05%	5.19%
Annual Average WPI Index	122	123	139	153	153
WPI Inflation		1.29%	13.00%	9.41%	0.00%

Note

CPI and WPI Inflation computed for current year shall be considered for control period at the time of filing of ARR. CPI inflation shall be determined at the time of truing up.

Signature of Petitioner

Form-F14(c)

S.N	Particulars	FY 2022-23	FY 2023-24	FY 2024-25	Projected in MYT ARR FY 2025-26	Projected in MYT ARR FY 2026-27	Projected in MYT ARR FY 2027-28
1	Number of employees at the beginning of FY						
a)	Technical	40	39	39	32	36	40
b)	Non-Technical (Administration)	1	1	1	1	1	1
c)	Non-Technical(Revenue, Finance and Accounts)		-	-	-	-	-
	Total	41	40	40	33	37	41
2	No. of employees added during FY						
a)	Technical	-	1	-	4	4	2
b)	Non-Technical (Administration)	-	1	-	-	-	-
c)	Non-Technical(Revenue, Finance and Accounts)	-	-	-	-	-	-
	Total	-	2	-	4	4	2
3	Number of employees retiring/ leaving during						
a)	Technical	1	1	7	-	-	-
b)	Non-Technical (Administration)	-	1	-	-	-	-
c)	Non-Technical(Revenue, Finance and Accounts)	-	-	-	-	-	-
	Total	1	2	7	-	-	-
4	Number of employees at the end of the FY (1+2-3)						
a)	Technical	39	39	32	36	40	42
b)	Non-Technical (Administration)	1	1	1	1	1	1
c)	Non-Technical(Revenue, Finance and Accounts)	-	-	-	-	-	-
	Total	40	40	33	37	41	43

Signature of Petitioner

Form-F14(d)

S.N	Particulars	FY 2023-24		Projected in MYT ARR FY 2025-26	Projected in MYT ARR FY 2026-27	Projected in MYT ARR FY 2027-28
		Approved in Tariff Order dated 21.03.2023	Claimed in Truing-up of FY 2023-24			
1	Number of employees	Not Applicable				
2	Number of Sub-stations (GSS)					
3	Total capacity of Substations (MVA)					
4	Transmission line length in ckt/km					
5	Energy Received at STUCTU interface (Units)					
6	Employees per MU of energy handled (5/1)					
7	Employees cost					
8	Employees cost in paise / kWh (7/5)					

Signature of Petitioner

Form-F15

Particulars	FY 2023-24		FY 2024-25		Projected in MYT ARR FY 2025-26	Projected in MYT ARR FY 2026-27	Projected in MYT ARR FY 2027-28	
	Approved in Tariff Order dated 21.03.2023	Claimed in Truing-up of FY 2023-24	Approved in Tariff Order dated 01.03.2024	Claimed in APR FY 2024- 25				
1	Average Gross Fixed Assets			16.47	61.17	61.17	61.17	
2	Percentage point as per the norm (%)			0.00%	0.00%	0.00%	0.00%	
3	R&M Expenses (Without AMC)			-	-	-	-	
4	Certification of ISMS ISO 27001			0.15	0.03	0.03	0.23	
5	AMC for SAMAST Scheme			2.36	2.36	2.36	2.36	
6	AMC of SCADA Centre			0.11	0.03	-	-	
7	AMC of EMS/SCADA upgradation Project			0.07	0.02	-	-	
8	R&M Expenses for ASBM			4.40	5.88	5.88	5.88	
9	AMC for C-SOC			1.14	1.05	1.05	1.05	
10	AMC for SCADA Upgradation phase - III			-	-	-	2.50	
10	Replacement of Damaged Cable between SLDC ACDB Panel to DG Room and C-Soc Building to DG Room			0.04	-	-	-	
10	Bay integration of existing RTU work at Kaitaiya GSS due to R&M Work			0.08	-	-	-	
10	Bay integration of existing RTU work at Valmikinagar GSS due to R&M Work			0.05	-	-	-	
10	Deployment of FEP and ICCP firewall in SCADA System			0.18	-	-	-	
12	R&M Expenses for additional features in Software of ASBM			0.37	0.30	0.30	0.30	
13	Total R&M Expenses	2.46	2.83	2.51	8.94	9.67	9.62	12.32

Particulars	FY 2023-24		FY 2024-25		Projected in MYT ARR FY 2025-26	Projected in MYT ARR FY 2026-27	Projected in MYT ARR FY 2027-28
	Approved in Tariff Order dated 21.03.2023	Claimed in Truing-up of FY 2023-24	Approved in Tariff Order dated 01.03.2024	Claimed in APR FY 2024- 25			
Consultancy Charge		0.28					
Conveyance & Travelling		0.37					
Rent, Rates & Taxes		-					
Telephone Expenses		0.08					
Electricity & Power Charges		0.28					
Entertainment Charges		0.01					
Fees & Subscription		0.02					
Misc Expenses		0.01					
Books & Periodicals		0.00					
Printing & Stationary		0.01					
Penalty/Fine Paid (if any)		-					
Any other expenses (please specify)		-					
Total expenses	0.66	1.04	0.63	1.04	1.12	1.20	1.29
Indexation	5.32%		7.90%	7.47%	7.47%	7.47%	7.47%
Inflationary increase	0.04		0.05	0.08	0.08	0.09	0.10
Less Capitalised	-	-					
Total A&G expenses	0.70	1.04	0.68	1.12	1.20	1.29	1.39

Signature of Petitioner

Sl. No.	Particulars	FY 2023-24		FY 2024-25		Projected in MYT ARR FY 2025-26	Projected in MYT ARR FY 2026-27	Projected in MYT ARR FY 2027-28
		Approved in Tariff Order dated 21.03.2023	Claimed in Truing-up of FY 2023-24	Approved in Tariff Order dated 01.03.2024	Claimed in APR FY 2024- 25			
1	STOA Charges		0.00		0.00	0.00	0.00	0.00
2	Miscellaneous Receipts		0.00		0.00	0.00	0.00	0.00
4	Application fee received		0.00		0.00	0.00	0.00	0.00
5	Interest from Bank		0.12		0.12	0.12	0.12	0.12
6	Total Non-Tariff Income	0.49	0.12	0.48	0.12	0.12	0.12	0.12

Signature of Petitioner

Form-F19

SI.NO	Particulars	FY 2023-24		FY 2024-25		Projected in MYT ARR FY 2025-26	Projected in MYT ARR FY 2026-27	Projected in MYT ARR FY 2027-28
		Approved in Tariff Order dated 21.03.2023	Claimed in Truing-up of FY 2023-24	Approved in Tariff Order dated 01.03.2024	Claimed in APR FY 2024- 25			
1	Receivables equivalent to two months	2.19	2.25	3.86	4.47	4.06	4.02	4.32
2	O&M Expenses of one month	0.84	0.85	0.84	1.40	1.50	1.53	1.80
3	Maintenance spares @ 40% of R&M Expenses for 01 Month	0.08	0.09	0.08	0.30	0.32	0.32	0.41
4	Less: RoE and contribution to contingency reserve for 2 months	0.08	0.12	0.45	0.36	0.38	0.38	0.38
5	Total Working Capital	3.03	3.07	4.34	5.80	5.49	5.48	6.15
6	Interest Rate	9.45%	10.07%	10.05%	10.45%	10.45%	10.45%	10.45%
7	Interest on Working Capital	0.29	0.31	0.44	0.61	0.57	0.57	0.64

Signature of Petitioner

Sl. No	Particulars	FY 2023-24		FY 2024-25		Projected in MYT ARR FY 2025-26	Projected in MYT ARR FY 2026-27	Projected in MYT ARR FY 2027-28
		Approved in Tariff Order dated 21.03.2023	Claimed in Truing-up of FY 2023-24	Approved in Tariff Order dated 01.03.2024	Claimed in APR FY 2024-25			
1	Opening Balance	1.82	2.83	32.16	5.37	30.84	21.67	12.50
2	Addition	0.03	4.52	4.70	31.29	0.00	0.00	0.00
3	Repayment	1.91	1.99	8.03	5.82	9.17	9.17	9.17
4	Closing Balance	-0.06	5.37	28.83	30.84	21.67	12.50	3.33
5	Average Balance	0.88	4.10	30.50	18.10	26.25	17.08	7.91
6	Interest Rate	7.00%	8.57%	7.80%	8.57%	8.57%	8.57%	8.57%
	Interest Amount	0.06	0.35	2.38	1.55	2.25	1.46	0.68
	Other Finance Charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Interest Amount	0.06	0.35	2.38	1.55	2.25	1.46	0.68

Signature of Petitioner

Bihar State Load Despatch Centre (SLDC)

Investments in Non business related activities

Form No: F20

Rs. Crores

Details of Income from Other Business (Rs. In Crore)

No	Particulars		Approved in Tariff Order dated 21st March 2023	FY 2023-24 Actual	Approved in Tariff Order dated 1st March 2024	FY 2024-25 Actual	FY 2025-26 Projected	FY 2026-27 Projected	FY 2027-28 Projected
I	Receipts from other Business	I							
	Less: Expenses from other business	E							
	Revenue of other Business	R=I-E							
II	Assets of Licensed business utilized in other business	A							
	Total assets of other business (including the assets utilized of the Licensed Business)	C							
	Allocation of Revenue to Licensed Business decided by the Commission (Case No. 27/2023, dated 05.03.2024)	X=50% of C							
III	Due to Licensed Business (to be deducted from ARR)								

Not Applicable for SLDC Function

Note:- Information to be provided for Previous year and each year of Control period

*In case Gross Receipts exceed expenditure of other business in (I) above (where Gross receipt is less than expenditure of other business in (I) above no amount shall be deducted from ARR of Licensee).

Signature of Petitioner

Bihar State Load Despatch Centre (SLDC)**Details of Expenses Capitalised**

Form No: F21

Sl. No.	Particulars	FY 2023-24		FY 2024-25		FY 2025-26	FY 2026-27	FY 2027-28
		Approved in MYT	Normative	Approved in MYT	Apr-M	Projections	Projections	
1	Interest & Finance charges Capitalised							
2	Other expenses capitalised:							
	a. Employee expenses							
	b. R&M Expenses							
	c. A&G Expenses							
	d. Depreciation							
	e. Others, if any							
	Total of 2							
	Grand Total							

Not Applicable for SLDC Function

Signature of Petitioner

Bihar State Load Despatch Centre (SLDC)**Net Prior Period Expenses / Income****Form No: F22**

Rs. Crores

Sl.No.	Particulars	FY 2023-24 Previous Year	FY 2024-25 Current Year
A	Income relating to previous years:		
1	Interest income for prior periods		
2	Income Tax prior period		
3	Excess Provision for Depreciation		
4	Excess Provision for Interest and Fin. Charges		
5	Other Excess Provision		
6	Others (please specify)		
	Sub-Total A		
B	Expenditure relating to previous years		
1	Employee Cost		
2	Depreciation		
3	Interest and Finance Charges		
4	Admn. Expenses		
5	Withdrawal of Revenue Demand		
6	Material Related		
7	Others (please specify)		
	Sub-Total B		
	Net prior period Credit/(Charges) : A-B		NIL

Extraordinary Items(Rs. Crores)

Sl.No.	Particulars	FY 2023-24 Previous Year	FY 2024-25 Current Year
1	Extraordinary Credits		
a	`--		
	TOTAL CREDITS		
2	Extraordinary Debits		
a	`--		
	TOTAL DEBITS	0	-

Signature of Petitioner

Bihar State Load Despatch Centre (SLDC)
Contribution to Contingency Reserve(Rs. Crores)

Form No: F23

S.N	Particulars	FY 2023-24 Previous Year	FY 2024-25 Current Year
1	2	3	4
1	Fixed Assets	Not Claimed	
2	%age appropriation to the contingency reserve		
3	Appropriation to the contingency amount		
4	Amount invested in securities		
5	Drawal from the contingency reserve (Please specify)		
	(i)		
	(ii)		
	(iii)		
	Total drawal		

Information Regarding Grant/Subsidy from State Govt/Central Govt.

S.N	Particulars	FY 2023-24 Actuals	FY 2024-25 Estimate	FY 2025-26, FY 2026-27, FY 2027- 28 Projection
1		3	4	5
A	Amount from State Govt.			
	i) Purpose for which			
	(a)			
	(b)			
B	ii) Targeted beneficiaries for subsidy			
	(a)			
	(b)			
	Amount from Central Govt.			
C	i) Received under PSDF Scheme			
	(a)			
	(b)			
	Amount from Consumer			
	i) Received under Deposit work			

Not Applicable for SLDC Function

Bihar State Load Despatch Centre (SLDC)**Allocation statement of Expenses of SLDC**

Form No: F24

Not Applicable for BSPTCL

(SLDC is submitted the petition seperately)

Rs. Crores

	Particulars	FY 2023-24 Actual			FY 2024-25 Revised			FY 2025-26, FY 2026-27, FY 2027-28 Projection		
		Total Expenses of STU	Allocated %	SLDC Share	Total Expenses of STU	Allocated %	SLDC Share	Total Expenses of STU	Allocated %	SLDC Share
	Expenditure	Not Applicable as SLDC has submitted the petition seperately								
a	O&M Expenses									
i	R&M Expense									
ii	Employee Expenses									
iii	A&G Expense									
	Total O&M expenses (i+ii+iii)									
b	Depreciation									
c	Interest on Loan									
f	Return on Equity									
g	Others, please specify									
	Total Expenditure			0.00			0.00			0.00

Signature of Petitioner

Bihar State Load Despatch Centre (SLDC)**Details of Transmission Incentive**

Form No:

No	Particulars	FY 2023-24	
		Approved in Previous MYT	Audited
1	Target Availability		
2	Actual Availability		
3	Apr-23		
4	May-23		
5	Jun-23		
6	Jul-23		
7	Aug-23		
8	Sep-23		
9	Oct-23		
10	Nov-23		
11	Dec-23		
12	Jan-24		
13	Feb-24		
14	Mar-24		
15	Actual Availability		
16	Additional Achievement		
17	Annual Transmission Charges		
18	Incentive for Availability		

Not Applicable for SLDC Function

Name of Transmission Licensee :M/s BSPTCL
Transmission Losses (For Transmission Licensee)

Form No. P1

S.No.	Details	FY 2023-24 Actual	FY 2024-25 Estimate	FY 2025-26 Projection	FY 2026-27 Projection	FY 2027-28 Projection
A	Losses in 400KV system					
1	Total Energy delivered by generating Stations and Inter State / Intra State tie - links at the interface points of the Intra State Transmission system					
2	Energy Delivered to next (Lower) voltage level of the Transmission System					
3	Sum of all the energy delivered at this voltag level to the state Distribution System					
4	Transmission loss in system (A1-A2-A3)					
5	Transmission loss in (Transco) system (%) (A4/A1)x100					

Not Applicable for SLDC Function

S.No.	Details	FY 2023-24 Actual	FY 2024-25 upto Aug. 2024	FY 2025-26 Projection	FY 2026-27 Projection	FY 2027-28 Projection
B	Losses in 220 KV system					
1	Total Energy delivered by generating Stations and Inter State / Intra State tie - links at the interface points of the Intra State Transmission system					
2	Energy Delivered to next (Lower) voltage level of the Transmission System					
3	Sum of all the energy delivered at this voltag level to the state Distribution System					
4	Transmission loss in system (B1-B2-B3)					
5	Transmission loss in (Transco) system (%) (B4/B1)x100					

C	Losses calculation at 132KV	FY 2023-24 Actual	FY 2024-25	FY 2025-26 Estimate	FY 2026-27 Estimate	FY 2027-28 Estimate
		FY (n-1)	upto Aug. 2024	FY (n+1)	FY (n+2)	FY (n+3)
	Pertaining to Transmission Business Only, SLDC shall file separately					
1	Total Energy delivered by Generating Stations and Inter State/Intra State tie-links at the interface points of the Intra State Transmission system					
2	Energy Delivered to next (Lower) voltage level					
3	sum of all the energy delivered at this voltage level to the state Distribution System					
4	Transmission loss in System (C1-C2-C3)					
5	Transmission loss in (Transco) system (%) $C4/C1 \times 100$					

D	Total Losses in the Transmission system	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28
			upto Aug. 2024	Projection	Projection	Projection
1	Total Energy delivered by generating Stations and Inter State/Intra State tie-links at the interface points of the Intra State Transmission system from Energy Accounting					
2	sum of all the energy delivered at this voltage level to the state Distribution System- From energy meter readings					
3	Transmission loss in System (D1-D2)					
4	Transmission loss in (Transco) system (%) $C4/C1 \times 100$					

Not Applicable for SLDC Function

Signature of Petitioner

FY 2023-24 (Actual)						
Name of Transmission Licensee : BSPTCL & BGCL						
Energy Delivered by Transmission licensee to the Distribution Licensees/ Bulk consumers at interface points					Form No.- P2	
Voltage Level	Name of Sub-Station	Distribution Li			Railway LTOA (MUs)	Total Energy Delivered (MUs)
		NBPDCL	Other	Railway		
220 KV	N/A		N/A	N/A		N/A
Total for all Voltages		-	-	-	-	-
PGCIL Tertiary Auxiliary Consumption						
Total						

Not Applicable for SLDC Function

Bihar State Load Despatch Centre (SLDC)
 Details of Electrical Accidents

Form No.: P3

Type of Accident	FY 2023-24		FY 2024-25	
	No. of Accidents		No. of Accidents	
	FATAL	NON FATAL	FATAL	NON FATAL
Human				
Other, if any (please Specify)				
Total				

Not Applicable for SLDC Function

Signature of Petitioner

Bihar State Load Despatch Centre (SLDC)
Abstract of Outages due to feeder tripping

Form No.: P4

Sl. No.	Detail	FY 2023-24				FY 2024-25			
		total No. of feeders	No. of tripping	Total Duration of Trippings (hrs.)	Average interruption	total No. of feeders	No. of tripping	Total Duration of Trippings (hrs.)	Average duration of interruption per feeder
1	Feeder Voltage Level (400 KV)								
2	Feeder Voltage Level (220 KV)								
3	Feeder Voltage Level (132 KV)								

Not Applicable for SLDC Function

Signature of Petitioner

Bihar State Load Despatch Centre (SLDC)
Major System Disturbances

Forn No. P5 revised

SI. No.	Disturbances	FY 2023-24		FY 2024-25	
		Number	Total Duration (Hrs.)	Number	Total Duration (Hrs.)
A	Disturbances when DISCOM supply has been effected for more than 1 hr.				
i	Due to 220 KV transformer failure				
ii	Due to 220 KV transmission line failure				
SI. No.	Disturbances				
iii	Due to 132 KV transformer failure				
iv	Due to 132 KV transmission line failure				
v	Due to 132 KV sub - station failure				
B	Estimated unserved energy				
C	Other Transmission disturbances when DISCOM supply has got effected				

Not Applicable for SLDC Function

Signature of Petitioner

Bihar State Load Despatch Centre (SLDC)

Frequency variation

Form No. : P6

SI. No.	Frequency	FY 2023-24		FY 2024-25	
		Actual		Actual	
		No. of Hours	As percentage of total hours in the year (%)	No. of Hours	As percentage of total hours in the year (%)
1	Above 50.5 Hz				
2	50.5-50.2 Hz				
3	50.2-49.8 Hz				
4	49.8 - 49.5 Hz				
5	49.5-49.0 Hz				
6	49.0-48.5 Hz				
7	Below 48.5 Hz				

Not Applicable for SLDC Function

Signature of Petitioner

Bihar State Load Despatch Centre (SLDC)
Voltage fluctuation

Form No.: P7

S.No	Name of GSS	Transformation capacity	Reactive Compensation provided	FY 2023-24						FY 2024-25					
				Time during which						Time during which voltage in an year(till Sep 2024)					
				More than upper		Between upper & lower		Less than lower		More than upper		Between upper & lower		Less than lower	
Hrs	%age	Hrs	%age	Hrs	%age	Hrs	%age	Hrs	%age	Hrs	%age	Hrs	%age		
1	220 kV BUS-I		NA												
2	220 kV BUS-II														
3	132 kV		NA												

Not Applicable for SLDC Function

Note : Upper/Lower voltage limit: +/- 5% of Rated
Data obtained from SCADA(ULDC)

Signature of Petitioner

Bihar State Load Despatch Centre (SLDC)

Licensee wise Load shedding carried out during the year

Form No: P8

FY 2022-23			
S.No.	Particulars	NBPDCL	SBPDCL
	Load shedding during the Year (In Hrs.)		
1	On SLDC's instructions		
a	To control excess drawal		
b	To control equipment damage		
c	Under force majeure conditions		
2	Due to maintenance or outage of own network		
3	Any other reason		
	Total load shedding for the Year		

FY 2022-23			
S. No.	Particulars	NBPDCL	SBPDCL
	Load shedding during the Year (In Hrs.)		
1	On SLDC's instructions		
a	To control excess drawal		
b	To control equipment damage		
c	Under force majeure conditions		
2	Due to maintenance or outage of own network		
3	Any other reason		
	Total load shedding for the Year		

Not Applicable for SLDC Function

Bihar State Load Despatch Centre (SLDC)

Details of Overloaded feeders

Form No. : P9

S. No	Voltage level	No. of feeders	Feeder length (ckt. Km)	No. of feeders overloaded	Line length Overloaded feeders (ckt. Km)	% of	%length of overloads of feeders in Area
FY 2023-24							
1	220 KV						
i)	BSPTCL						
2	132 KV						
i)	BSPTCL						
FY 2024-25							
1	220 KV						
i)	BSPTCL						
2	132 KV						
i)	BSPTCL						

Not Applicable for SLDC Function

Signature of Petitioner

Bihar State Load Despatch Centre (SLDC)

Details of overloaded Transformers

Form No. :P10

Sr No	GSS	Transformer capacity (MVA)	Rated Transformer capacity (MVA)	% loading of transformer
List of 220/132/33 kv transformers				
1				
2				
3				
4				
5				
List of Overloaded 132 kv transformers				
1				
2				
3				
4				
5				

Not Applicable for SLDC Function

Bihar State Load Despatch Centre (SLDC)

Form No. :P11

Failure of Transformers

S. No.	FY 2023-24(Actual)					FY 2024-25 (Upto Sept. 2024)				
	Transformation ratio	Total No. of Transformers	No. of failures	Total Duration of failure (hrs.)	Remarks	Transformation ratio	Total No. of Transformers	No. of failures	Total Duration of failure (hrs.)	Remarks
1	220/132/33KV Transformers					220/132/33KV Transformers				
	Total					Total				
	220/132 KV Transformers					220/132 KV Transformers				
	Total					Total				
	132/33 KV Transformers					132/33 KV Transformers				
	Total	-	-	-		Total	-	-	-	

Not Applicable for SLDC Function

Signature of Petitioner

Name of Transmission Licensee

Bihar State Load Despatch Centre (SLDC)Key Ratios

Form No: P12

S. No	Particulars	Previous Year	Current Year	Ensuing Years	Ensuing Years	Ensuing Years
		FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28
A	Financial & Material Management					
1	Annual capital expenditure/net book value					
2	Total Transmission cost/Energy Transmitted					
3	Employee cost as a percentage of total cost					
4	Operating expenses / Revenue from Transmission of power					
5	Cost of capital invested					
6	Debt Service Coverage Ratio					
7	Cost of total Stores Inventory/100 Km of transmission lines					
9	Working Capital to Revenue from Transmission of power					
B	HR Management					
1	Energy Transmitted (MU) per Employee					
2	Total line length/employee (cKm.)					
3	Connected Load per Employee (MVA)					
4	Transmission Income per Employee (Rs. Cr)					
5	Training participation days per employee					
C	Operational Performance					
1	Unplanned outage/total outage (Fault breakdown / total outage)					
2	Annual replacement rate of Transmission transformers (%): (Transmission Transformers replaced / Transformers in service)					

Not Applicable for SLDC Function

Signature of Petitioner

BSPTCL-HQ
Cost Centre Breakup
1-Apr-24 to 30-Sep-24

Page 1

	<i>Cost Centre: SLDC</i>		
	Transactions		Closing Balance
	Debit	Credit	
Current Liabilities		<i>22,11,844.00</i>	28,05,739.00 Dr
Other Current Liabilities		22,11,844.00	28,05,739.00 Dr
Current Assets	<i>69,80,609.00</i>	<i>43,65,231.00</i>	1,10,44,27,938.00 Cr
Financial Assets-Current	47,68,765.00	23,78,163.00	26,70,060.00 Dr
Other Current Assets			15,93,354.00 Dr
Others (Current)	22,11,844.00	19,87,068.00	1,10,86,91,352.00 Cr
Direct Incomes		<i>12,11,174.00</i>	12,11,174.00 Cr
Revenue from Operation		12,11,174.00	12,11,174.00 Cr
Direct Expenses	<i>7,58,72,809.00</i>	<i>33,269.00</i>	7,58,39,540.00 Dr
Administrative & General Expenses	94,343.00		94,343.00 Dr
Employee Cost	6,17,54,429.00	33,269.00	6,17,21,160.00 Dr
Other Expenses	22,24,037.00		22,24,037.00 Dr
Repair and Maintenance	1,18,00,000.00		1,18,00,000.00 Dr
Indirect Incomes		<i>2,15,460.00</i>	2,15,460.00 Cr
Other Income		2,15,460.00	2,15,460.00 Cr
Indirect Expenses	<i>774.00</i>		774.00 Dr
Finance Cost	774.00		774.00 Dr
Grand Total	8,28,54,192.00	80,36,978.00	1,02,72,08,519.00 Cr

F. No. 44(1)/PF-S/2023-24 (CAPEX)-Bihar
 Government of India
 Ministry of Finance
 Department of Expenditure
 Public Finance-States Division

North Block, New Delhi
 Dated the 08th June, 2023

To
 Additional Chief Secretary,
 Finance Department,
 Government of Bihar,
 Main Secretariat, Patna-800015,
 Bihar.

Subject: Scheme for Special Assistance to States for Capital Investment for 2023-24 -
 Approval of Capital Expenditure under Part-I of the Scheme.

Sir,

I am directed to refer to the State Government of Bihar (SGoB) letter nos. WM-02/2023-538/F dated 26.05.2023, WM-02/2023-546/F dated 01.06.2023 and WM-02/2023-553/F dated 02.06.2023 having enclosed therewith application nos. WM-02/2023-538 dated 26.05.2023, WM-02/2023-546 dated 01.06.2023 and WM-02/2023-553 dated 02.06.2023 respectively, submitting its proposal of 118 projects (under 7 heads) with project capital outlay for 2023-24 amounting to ₹11440.50 crore and seeking special assistance (loan) of ₹ 8578.00 crore, one project under the Department of Panchayati Raj with project capital outlay for 2023-24 amounting to ₹1000.00 crore and seeking special assistance (loan) of ₹ 1000.00 crore and 9 projects under the Department of Health involving capital outlay amounting to ₹ 480.00 crores for 2023-24 and seeking special assistance (loan) of ₹ 480.00 crore respectively. Thus, seeking total special assistance (loan) of ₹10058.00 crore against its allocation of ₹ 10058.00 crore under Part-I of the Scheme for 'Special Assistance to States for Capital Investment 2023-24'.

2. In this context, it is to state that the competent authority has approved capital expenditure amounting to ₹9640.36 crore against the allocated amount of ₹10058.00 crore under Part-I of the Scheme of Special Assistance to States for Capital Investment for 2023-24 to the State of Bihar. The details of the itemised capital expenditure for the capital projects approved under the Scheme for 2023-24 to the State of Bihar is given in Annexure-I.

3. Further, in this regard it is to state that Projects at S.No.4,5,6,7 and 8 under 'Education Department' are not considered in terms of Para 11 of the Scheme guidelines dated 03.02.2023.

4. Further, it is to say that consideration of release of special assistance (Loan) under Part I of the Scheme for 2023-24, shall be subject to fulfillment of the following conditions by the State Government of Bihar:

- i. Submission of Utilization Certificate for Part-I releases made under the Scheme in 2022-23 in terms of Para (17) of the Scheme guidelines dated 03.02.2023, for the amount utilized upto 31.03.2023 in the form 12-B of the GFRs, 2017 against the amount released in 2022-23 under the Scheme for 2022-23.
- ii. Furnish the revised 'Undertaking/Self Declaration Form' regarding naming/branding of all Centrally Sponsored schemes as per Para 4(i) of Scheme guidelines for 2023-24 dated 03.02.2023. In this regard States are required to give 'Undertaking/Self Declaration form' mentioning as 'The State is fully complying with the official name of all Centrally Sponsored Schemes (CSS) and any guidelines/instructions issued by the

Annexure - 3

Government of India regarding branding of CSSs, in all Schemes of all Ministries, only. Hence, revised 'Undertaking/Self Declaration form' in this regard from SGoB is solicited. Same has already been communicated to SGoB vide letter 44(1)/PF-S/2023-24 (CAPEX) dated 01.06.2023.

Compliance of the mandatory condition 4(ii) by the State and verified by PFMS Division and O/o of CGA regarding sharing of treasury data.

Furnish the Certificate as per Para 4(iii) of the Scheme guidelines dated 03.02.2023 regarding 'Certificate for deposit of central share of interest accrued in SNA accounts till 31st March 2023 in the Consolidated fund of India' as per Annexure-4.

The State shall ensure that there is no duplication in funding of the projects approved under the Scheme either with the funds provided by the Government of India or the State Government for the various capital projects posed in the application in terms of Para (16) of the Scheme guidelines dated 03.02.2023.

5. All provisions of the guidelines of the Scheme issued vide letter No. 44(1)/PF-S/2023-24 (CAPEX) dated 03.02.2023, 02.05.2023, 19.05.2023 and 26.05.2023 shall be applicable in toto and shall be strictly adhered to by the State Government and implementing agencies.

6. This issues with the approval of the Finance Secretary & Secretary Expenditure.

With regards,

Yours Faithfully,

(Anjali Maurya)
Assistant Director (PF-S)
Tele: 011-23095697

S. No.	Name of project	Whether New or ongoing & % completion	Unpaid Bills (if any)	Total project cost	Project capital outlay for 2023-24	Special Assistance (Loan) sought under the Scheme 2023-24	Special Assistance (Loan) proposed under the Scheme 2023-24	Completion period	Implementing agency
27	Construction of drainage Road, Boundary wall Investors Facilitation Centre and Installation of Solar Streetlight at Industrial Area Hajakishanganj Madhepura	New		9.11	9.11	9.11	9.11	Dec-23	Bihar Industrial Area Development Authority
28	Construction of drainage, Road, Investors Facilitation Centre and Installation of Solar Streetlight at Industrial Area Dumraon	New		12.67	12.67	12.67	12.67	Dec-23	Bihar Industrial Area Development Authority
29	Construction of drainage and Installation of Solar Streetlight at Industrial Area Buxar	New		16.93	16.93	16.93	16.93	Dec-23	Bihar Industrial Area Development Authority
Total					409.33	409.33	409.33		

Rural Works Department

1	NMGSY	Ongoing (10.6%)	495.38	4675.586	4675.586	3000.00	3000.00	31.03.2024	Rural Works Department
Total					4675.586	3000.00	3000.00		

Energy Department

1	Data Centre & Disaster Recovery Centre server room extension (Electrical Part)	Ongoing (80%)	5.45	26.46	5.45	5.45	5.45	FY 2023-24	NBPDCI & SBPDCI
2	Evacuation of Power from Buxar Thermal Power Plant	Ongoing (91.89%)		379.03	379.03	379.74	379.74	Jun-23	BSPTCL
3	Reconductoring of 01 No 220 Kv and 17 No 132 Kv Transmission Line with HTLS	Ongoing (95.47%)		508.75	23.05	23.05	23.05	May-23	BSPTCL
4	Supply, Installation, Testing and Commissioning of DMS compliant 0.2s class ABT energy meter	Ongoing (61.32%)		78.39	30.32	30.32	30.32	Jun-23	BSPTCL
5	Construction of (2x500 + 2x160) MVA 440/220/132 KV GIS substation at Bakhilpur	Ongoing (70.7%)		199.79	44.54	44.54	44.54	Jul-23	BSPTCL
6	Implementation of automated system balancing mechanism for Bihar SLDC, ensuring seamless communication across levels, optimising DSM and integrated planning and command & control center	Ongoing	0	44.51	44.51	44.51	44.51	09 month	BSPTCL
7	Implementation & maintenance of Cyber Security operation centre(CSOC) at Bihar SLDC in BSPTCL HO, Patna	Ongoing	0	10.46	10.46	10.46	10.46	06 month	BSPTCL
8	Procurement of 20 nos. of 50 MVA Power Transformers	Ongoing (10%)	0	98.34	98.34	98.34	98.34	12 months	BSPTCL
9	Capacity augmentation by Replacement of 100/160 MVA Transformers by 200MVA transformers for Various GSS of BSPTCL	Ongoing	0	82.73	82.73	82.73	82.73	12 months	BSPTCL



BIHAR STATE POWER TRANSMISSION COMPANY LTD., Patna Annexure - 4

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

E-mail address - ciso.isms@bsptcl.bihar.gov.in,

Website - www.bsptcl.in

NOA No:.....03...../Patna,
T-ITCELL-CYBERSECURITY-7005/22

Dated.....13-07-23.....

From,

Arun Kumar Chaudhary,
Chief Engineer (System Operation)

To,

M/s Sify Technologies Pvt. Ltd.
2nd Floor, Tidel Park No. 4, Rajiv Gandhi Salai,
Taramani, Chennai-600113

Email: kumari.suman@sifycorp.com

Attn: Ms. Suman Kumari, Account Manager

Sub.: Notice of award for Appointment of agency to implement, establish and maintain cyber security operations centre (C-SOC) at Bihar SLDC in BSPTCL Hq Patna for 3 years against NIT-53/PR/BSPTCL/2022.

Dear Sir/Madam,

1.0 Reference:

This has reference to the following:-

- i) Our Invitation for Bids (IFB) for NIT No- 53/PR/BSPTCL/2022 dated 22.12.2022
- ii) Bidding documents for the subject package uploaded on e-portal vide our letter Ref. No. 53 dated 06.01.2023 comprising the following:
 - a) Conditions of Contract/Technical Specifications for all items (RFP for NIT No- 53/PR/BSPTCL/2022)
 - b) Bid Form, Price Schedules and Technical Data Sheets (RFP for NIT No- 53/PR/BSPTCL/2022)
 - c) All corrigendum issued against NIT No- 53/PR/BSPTCL/2022.
- iii) Part-I bid of M/s Sify Technologies Pvt. Ltd. submitted for the subject package under Proposal reference dated 14.02.2023.
- iv) Intimation for Opening of Price Schedule issued to you vide our letter no. 131 dated 28.03.2023.
- v) Price bid of M/s Sify Technologies Pvt. Ltd. submitted under proposal reference dated 14.02.2023.

2.0 Award of Contract and its scope:

We confirm having accepted your Bid (referred to at para 1.0 clause iii & v above) read in conjunction with all the specifications, terms & conditions of the Bidding Documents (referred to at para 1.0 clause ii a, ii b and ii c above) and award on you this

contract covering supply of all equipments and materials required and for performance of all other activities for the complete execution of scope of work as set forth in NIT 53/PR/BSPTCL/2022 to implement, establish and maintain cyber security operations centre (C-SOC) at Bihar SLDC in BSPTCL Hq Patna for 3 years.

Execution of this project encompasses implementation, establishment as well as maintenance part as summarized below:-

- a) Implementation of C-SOC: - The bidder should provide the architecture for implementing the security solution on BSPTCL IT infrastructures (IT & OT). It would be responsibility of the bidder to coordinate with the Existing service providers or any new Service Provider to ensure the proposed Security solutions is properly tested and made to work in BSPTCL's Environment. Proper incident management including ticketing solutions must be implemented by bidder.

The Bidder has to ensure that the security solutions and their operations should comply with BSPTCL information security policies and industry leading standards such as ISO 27001, ISO 22301 etc.

The Bidder has to follow all the advisories, guidelines, requirements at present as well as in future defined by MoP/ MeitY/ CEA/ CERT-In/ CERT-Trans/ CERT-Go/ CERC/ BERC/ Grid-India erstwhile POSOCO/ ERLDC strictly and also mandatorily follow CEA Cyber Security Guidelines 2021 or any other latest guidelines.

In addition, the bidder is responsible for impact assessment and modification of solution operations at no additional cost, on account of any changes to applicable information security policies / procedures / standards / regulations / any GOI Guidelines.

BSPTCL has envisaged the following security solutions required to enhance the robust monitoring that is compliant with ISO 27001, CERT-In, NCIIPC, CEA Cyber Security Guidelines 2021, Any cyber Security regulations issued by CEA/CERC in due course etc.

- Security Information and Event Management (SIEM)
- Security Orchestration, Automation and Response (SOAR)
- Network Behavior Anomaly Detection (NBAD)
- User and Entity Behavior Analytics (UEBA)
- Patch Management Solution

Integrate all existing or new applications and hardware to be installed during contract period with the proposed solution to provide a single view of events generated at no additional cost to BSPTCL during the contract period.

Development and implementation of processes for management and operation including (but not limited to) the following processes:

- Configuration and Change Management
- Incident and Escalation management processes
- Daily standard operating procedures
- Training procedures and material
- Reporting metrics and continuous improvement procedures
- Data retention and disposal procedures

b) Establishment of C-SOC: -

Non IT - Site Survey, Assessment study of CSOC Center – from Site Preparation till Readiness having Site Layout with optimal design to be submitted to BSPTCL.

Prior to commencement of Site work, the actual site drawing covering following areas such as Equipment placement, Electrical Scheme with proper earthing, Lighting, Furniture placement, power and Data Cabling, Smoke Detector, Fire Extinguisher, Rodent Repellent System, Water leak detection, CCTV, Access control system, C-SOC CC – Command Center Console/Table, 3d drawing, Flooring, Ceiling, Interiors, Racks, HVACs, Power DB, UPS with battery and the Bill of Material along with comprehensive OEM warranty (if applicable) of 5 years shall be shared with BSPTCL for approval. All activities required for establishing on premise C-SOC at Bihar SLDC must be carried out by SI.

Prior to delivery of all hardware solutions/software/compute/storage, Detailed bill of material like servers (physical/virtual), OS, software, routers, managed switches, Log collectors, SAN Storage, workstations, Video wall, firewalls etc. of reputed OEM with comprehensive warranty of 5 years required to establish 24*7 CSOC smoothly must be approved from BSPTCL prior to delivery, installation and configuration.

c) Maintenance of C-SOC: -

Bidders need to provide appropriate number of on-site resources, including number of resources required for managing the SOC, in order to meet the service level agreements mentioned in this RFP or as requested by BSPTCL. Deployed manpower should adhere to all the standards/ policies/ procedure/ processes of the BSPTCL.

Bidder shall provide comprehensive training along with manuals, presentations, lecture notes, hand-outs and other training documentation to nominated officials of BSPTCL periodically during the entire contract duration.

The scope of work under this Notification of Award (NOA) shall also include all such items which are not specifically mentioned in the Bidding Documents or your bid but are necessary for the successful completion of your scope under the Contract for the implementation, establishment and maintenance of cyber security operations centre (C-SOC) at Bihar SLDC in BSPTCL Hq Patna for 3 years, unless otherwise specifically excluded in the Bidding Documents or in this NOA.

Notwithstanding the award of work under this Contracts in the aforesaid manner, M/s Sify Technologies Pvt. Ltd. shall be overall responsible to ensure the execution of this Contracts

A. K. *SM* *My*

to achieve successful completion and taking over of the works under the package by the Employer as per the requirements stipulated in the Bidding Documents. It is expressly understood and agreed by you that any default or breach under this contract shall automatically give us a right to terminate this Contract, either in full or in part, and/or recover damages there under, shall give us an absolute right to terminate this Contract, at your risk, cost and responsibility, either in full or in part and/or recover damages under this Contract . It is also expressly understood and agreed by you that the equipment/materials supplied by you under this 'Contract, when erected, installed & commissioned by you under this Contract shall give satisfactory performance in accordance with the provisions of the Contract.

3.0 CONTRACT PRICE

- The total Contract Price for the entire scope of work under this Contract shall be Rs. 10,46,50,355.20 (Rupees Ten crore forty six lakh fifty thousand three hundred fifty five and twenty paise only) inclusive of all taxes as per the following break-up.

Sl. No.	Description	Unit	Qty.	Unit Price	GST Rate %	Unit GST Amount	Total Price
IT Setup							
1	Security Information and Event Management (SIEM)	Lot	1	13845849	18	2492252.757	16338101
2	Security Orchestration, Automation and Response (SOAR)	Lot	1	11875700	18	2137626.003	14013326
3	Network Behaviour Anomaly Detection (NBAD)	Lot	1	8095113	18	1457120.28	9552233
4	User and Entity Behavior Analytics (UEBA)	Lot	1	6584646	18	1185236.233	7769882
5	Patch Management Solution	Lot	1	2259181	18	406652.5571	2665833
6	Log Collectors in HA	Lot	1	1140954	18	205371.6412	1346325
7	Underlying Infrastructure required to host the above applications	Lot	1	2395060	18	431110.7178	2826170
8	Installation and Configuration including Tuning of SOC of proposed solution	Lot	1	7186486	18	1293567.416	8480053
Non-IT Setup							
9	All activities (Civil , Interior , Electrical etc.) required for establishing on premise C-SOC	Lot	1	7905878	28	2213645.906	10119524
Operation and Maintenance							
10	SOC Manpower Operation Cost during Maintenance (24*7)	Year	3	8909296	18	1603673.225	31538907

11	Comprehensive Operation and Maintainance cost of Bidder including OEM scope of work (Total price of Sl. No. 10+11 should be Minimum 30 % of Total Cost)	Year	3			0	0
	TOTAL COST (in Rs.)	104650355.2					
	TOTAL (in Words)	Ten Crore Forty Six Lakh Fifty Thousand Three Hundred Fifty Five and Twenty paise only					

- Notwithstanding the break-up of the Contract Price, the Contract shall, at all times, be construed as a single source responsibility Contract and any breach in any part of the Contract shall be treated as a breach of the entire Contract.
- You are required to furnish at the earliest a Performance Security (ies), as per the Bidding Documents, for an amount equal to R.s. 1,04,65,035.52 (Rupees One Crore four lakhs sixty five thousand thirty five and fifty two paise) only i.e. 10 % (Ten percent) of the Contract Price, and valid up-to 180 days beyond schedule completion period of the project and will be extended till actual successful completion of the entire work and taking over of the project and submission of performance guarantee.
- For release of Interest bearing mobilization advance (Optional) (admissible as per the Bidding Documents) equal to 10% of the total contract value, you are, inter-alia, required to furnish a Bank Guarantee equivalent to 110% of the value of mobilization advance issued by any Nationalized Bank or Scheduled Bank to the satisfaction of Employer as per list. The Bank Guarantee shall valid up to scheduled completion period which will be extended till recovery of entire advance amount.
- Further, please note that furnishing the Contract Performance Securities under this Contract shall be one of the conditions precedent to release of advance under this Contract.
- The interest rate on advance payment shall be RBI's base rate prevailing on the date of disbursement of advance payment. The interest accrued on interest bearing advance shall be adjusted first before releasing any payment.
- The mobilization advance will be paid to the Contractor shall be released on presentation of the following documents- Contractor's (i.) Request Letter for Mobilization Advance along with the invoice (ii). Execution of the agreement by the Contractor (iii). Submission of Irrevocable Bank Guarantee as above (iv) Detailed PERT Network/Bar chart and its approval by the Employer.
- All the bank guarantees shall be furnished from an eligible bank as described in the Bidding Documents.
- The project shall be commissioned within 6 months from the date of issuance of the NOA. Thereafter, Tuning and O&M shall be provided for 36 months. The operational support in terms of manpower for software solution shall be provided for entire 42(6+36) months contract period. The contract period may be extended for a further period of 24 to 36 months on mutual consent. The solutions offered should have comprehensive warranty of 5 years.

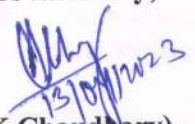
A-12 17



- This Notification of Award constitutes formation of the Contract and comes into force with effect from the date of issuance of this Notification of Award.
- You shall enter into a Contract Agreement with us within Thirty (30) days from the date of this Notification of Award. Additionally, A Non-Disclosure Agreement has to be signed prior to commencement of work.
- This Notification of Award is being issued to you in duplicate. We request you to return its duplicate copy duly signed and stamped on each page including the enclosed Appendix as a token of your acknowledgement.
- Please take the necessary action to commence the work and confirm action.

- Encl:**
- i) Contract Agreement format
 - ii) Non Disclosure Agreement
 - iii) Security BG format
 - iv) Performance BG Format
 - v) Advance Payment BG Format

Yours faithfully,



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

Handwritten mark



BIHAR STATE POWER TRANSMISSION COMPANY LTD., PATNA

Annexure - 4

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


E-mail address - so.dept@bsptcl.bihar.gov.in,

Website - www.bsptcl.in

Operational Acceptance Certificate

This is to certify that the work for "Implementation, Establishment and Maintenance of Cyber Security Operations Centre (C-SOC) at Bihar SLDC in BSPTCL Hq Patna" against NIT 53/PR/BSPTCL/2022 has been completed and put to use on 01-03-2024.

Please note that this is a provisional certificate and does not absolve the agency from any contractual responsibility as per terms and conditions of Contract/NIT.


01/03/24

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

**BIHAR STATE POWER
TRANSMISSION
COMPANY LIMITED**

3rd Floor, Vidyut Bhawan, Bailey Road,
Patna - 800 021.

**EMPLOYEES EARNED LEAVE SCHEME
MEASUREMENT REPORT**

Disclosure as per (Ind AS) 19 - defined benefit plans

FOR THE PERIOD ENDING
31/Mar/2024

SRINIVASAN NAGASUBRAMANIAN B.Sc., A.F.I.I., F.I.A.I., Dip.
Manag.

Mem.No: 00144 (1985)

MAY 30, 2024

Contd.....

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1**PREAMBLE****BIHAR STATE POWER TRANSMISSION COMPANY LIMITED**

(hereinafter called the "Company") has requested us to report on the financial position of the employees Projected Benefits Plan relating to Leave Encashment Scheme (Called "the Plan") Liabilities and ascertain the accounting expenses of it in accordance with (Ind AS) 19 for the fiscal year/period ending on 31-03-2024

- a) The Rules of the Scheme, salient features of which are given later
- b) Relevant Guidance Notes issued by the Institute of Actuaries of India which are currently in vogue
- c) This report complies with Actuarial Practice Standard 27 (APS 27) as published by the Institute of Actuaries of India (IAI), which came into effect from 1 January 2018.
 - 1.1 This report is provided subject to the terms set out herein and in the actuarial consulting & Non-disclosure agreement dated 08-05-2024 and the accompanying General Terms and Conditions of Business.
 - 1.2 The results set out in this Report are based on our understanding of (Ind AS) 19 and its application to the Plan. They have been evaluated for the specific requirements of (Ind AS) 19 and should not be put to any other use or purpose. In particular this Report does not constitute a formal funding valuation of actuarial liabilities of the Scheme and does not present any recommendation of contributions or funding levels.
 - 1.3 This Report is delivered solely for the Company's own use and for the definite and specific purposes indicated above. However, unless expressly agreed in writing with us, this report should not be disclosed nor provided to any other third party nor be used by the Company for any purpose other than what it is intended for.
 - 1.4 The Company may give a copy of this Report available to its Auditors, in connection with the audit of its financial statements.
 - 1.5 I have prepared this report in my independent professional advisory capacity and do not have any relationship or direct or indirect financial interest in the Company

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EXECUTIVE SUMMARY

THE TABLE BELOW SHOWS A SUMMARY OF THE KEY RESULTS FOR THE PERIOD ENDING 31-03-2024

DEFINED BENEFITS COST, P&L CHARGE FOR PERIOD ENDING 31-03-2024

CURRENT SERVICE COST		7,61,93,611
NET PERIODIC BENEFIT COST RECOGNISED IN P & L		20,86,43,090
REMEASUREMENTS RECOGNISED IN OTHE COMPREHENSIVE INCOME		0
	31-MAR-2023	31-MAR-2024
PRESENT VALUE OF DEFINED BENEFITS OBLIGATIONS(DBO)	61,83,75,684	83,94,91,634
FAIR VALUE OF THE PLAN ASSETS (FVA)	47,96,24,695	59,06,83,421
NET ASSETS/LIABILITIES RECOGNISED IN BALANCE SHEET	-13,87,50,990	-24,88,08,213

Current Service Cost represents the cost associated with the current fiscal year benefit accruals and the past service cost which is the change in the Dob resulting from changes in the benefit plan provisions for employees service in prior periods.Total Employer expense is the expense under (Ind AS) 19 inclusive of Current Service Cost and net interest.

Table 1	- Net Periodic Cost Expense for the period ending	31-Mar-24
Table 2	- Re-measurements recognised in OCI for the period ending	31-Mar-24
Table 3	- The Net Asset/ (Liability) Recognized in the Balance Sheet as on	31-Mar-24
Table 3A	- The Current & Non-Current in page no:12 for the period ending	31-Mar-24
Table 4	- The Reconciliation of PV of Obligation & FV of Plan Assets - Period Ending	31-Mar-24
Table 6	- Recognized In Other Comprehensive Income	31-Mar-24
Table 7	- Expected Cash Flow	31-Mar-24
Table 8	- Sensitivity Analysis Over the period ending on	31-Mar-24
Appendix B	- Key Assumptions in page no:16 for the period ending	31-Mar-24

3**SOURCES OF INFORMATION**

- 3.1 In preparing this Report I have used and relied on the financial data as well as membership information supplied to me on the valuation date by the Company.
- 3.2 In preparing this Report I have relied on the completeness and accuracy of the Data and Information supplied to me and corroborated orally and/or in writing by or on behalf of the Company and its advisers. I have not completed any detailed validation checks on the information provided. I have, however, carried out broad statistical checks for consistency
- 3.3 In particular I would like to mention that the details of Information on Assets, Plan provisions, Contributions and Benefits Payments, employee membership data and movements thereon from start of the period of investigations to the end of the period have been taken as provided by the company
- 3.4 **Completeness Check**
We have received the following key information on the valuation date; Date of Birth (DOB), date of joining service (DOJ) and eligible salary as on the valuation date (DOV) for all the permanent/eligible employees of the company; We have not done any audit of the company's records and assumed that the data includes all eligible employees of the Co. We have checked that there are no missing fields in the data received and where they are missing we communicate and get full information.
- 3.5 **Reasonableness & Consistency Checks**
Cases where DOB is more than DOV or DOJ and where DOJ is more than DOV are identified and rectified; Errors of age at joining(like minors), age on DOV, current age below min and above max age, erroneous salary like very huge or very small. We reconciled the data with last year data to see the age, service and pay moved in a reasonable way
- 3.6 After completing the checks and any reconciliation of differences we are of the opinion that the data is sufficient to perform the exercise and does not have any material deficiency.

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FULL PLAN INFORMATION:

This valuation reflects the provisions of the plan as at valuation date. Following is a summary of the major plan provisions used to determine the plan's financial position; it should not be used to determine individual plan benefits.

VALUATION DATE	31-MAR-2024
SPONSORING EMPLOYER	BIHAR STATE POWER TRANSMISSION COMPANY LIMITED
TYPE OF PLAN COVERING ELIGIBILITY	DEFINED BENEFITS EMPLOYEES EARNED LEAVE SCHEME ALL REGULAR EMPLOYEES
Vesting Criteria	
ON RETIREMENT	NO VESTING CRITERIA
ON LEAVING SERVICE	NO VESTING CRITERIA
ON DEATH	NO VESTING CRITERIA
EMPLOYER CONTRIBUTION	NIL
EMPLOYEE CONTRIBUTIONS	NIL
SALARY FOR ENCASHMENT	LAST DRAWN BASIC+DA
SALARY FOR AVAILMENT	CTC BASIS
BENEFIT BASIS	ACCRUED BENEFITS
Benefit Types	
ENCASHMENT IN SERVICE	NO
ENCASHMENT ON SEPARATION	YES
AVAILMENT IN SERVICE	YES
AVAILMENT AT SEPARATION	YES
NORMAL RETIREMENT BENEFIT	APPLICABLE SALARY*LEAVE CLOSING* 1 /30
EARLY RETIREMENT BENEFIT	SAME AS ABOVE
DEATH BENEFIT	SAME AS ABOVE
Applicable Limits	
COMPULSORY AVAILMENT PER YEAR	NO
ENCASHMENT IN SERVICE PER YEAR	0
MIN	0
MAX	0
MAXIMUM CARRY FORWARD PER YEAR	30
MAXIMUM ACCUMULATION IN SERVICE	300
MAXIMUM LIMITS ON BENEFITS	
FOR AVAILMENT ON SEPARATION	300
FOR ENCASHMENT ON SEPARATION	300
Special Conditions	
EARNED RATE PER YEAR BASIS	30 CALENDAR YR
DATE OF CREDIT	1 JAN
EXCESS OVER MAX ACCUMULATION	ENCASH
NORMAL RETIREMENT AGE	60
LOCAL CURRENCY	RUPEES