



BIHAR STATE POWER TRANSMISSION COMPANY LTD., PATNA
A subsidiary company of Bihar State Power (Holding) Company Ltd., Patna
CIN – U74110BR2012SGC018889
[SAVE ENERGY FOR BENEFIT OF SELF AND NATION]
Head Office, Vidyut Bhawan, Bailey Road, Patna – 800021

Letter No710...../
BSPTCL/Tariff-25-26/71/2025

Dated22/10/25.....

From,

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

To,

Chief Engineer (STU)
BSPTCL, Patna

Sub: Regarding submission of data for preparation of Tariff Petition for Truing-up of FY 2024-25, APR for FY 2025-26, and determination of ARR for FY 2026-27.

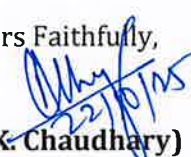
Sir,

With reference to the subject, please find the enclosed reports requested from SLDC for preparation of Tariff Petition for Truing-up of FY 2024-25, APR for FY 2025-26, and determination of ARR for FY 2026-27.

1. Abstract of Outages due to feeder tripping (P4)
2. Major System Disturbances (P5)
3. Frequency Variation (P6)
4. Voltage Fluctuation (P7)
5. Licensee wise Load shedding carried out during the year (P8)
6. Details of Overloaded Feeders (P9)
7. Details of Overloaded Transformers (P10)
8. Short Term Open Access Customers (F17)
9. Incentive Details (TAFM BSPTCL)
10. Peak and average load of transformer and transmission line of BSPTCL (April-25 to Sep-25).

Also, it is to mention that Format- F3 seems to be related to PMC and rest reports will be sent separately.

Yours Faithfully,


(A.K. Chaudhary)

Chief Engineer (System Operation)

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.)	% number of overloaded feeders in Area	% length of overloaded feeders in Area
Previous Year(FY 2024-25)							
1	400 KV	4	41.5	0	0	0	0
2	220KV	107	5257.241	0	0	0	0
3	132KV	396	12294.98	0	0	0	0
Current Year(FY 2025-26)							
1	400 KV	4	41.5	0	0	0	0
2	220KV	126	6051.9	0	0	0	0
3	132KV	421	12893.21	0	0	0	0



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Abstract of outage due to feeder tripping

Sno.	Deails	Month	No.of feeders under outage	No. of Trippings	Total Duration of trippings(hrs)	duration of interruption on per feeder	Month	feeders under outage	No. of Trippings	Duration of trippings	duration of interrupti
1	Voltage label	Apr-24					Apr-25				
2		May-24					May-25				
3		Jun-24					Jun-25	2	2	58.03	29.015
4	400Kv	Jul-24					Jul-25	2	3	14.79	7.395
5		Aug-24					Aug-25	1	1	14.2	14.2
6		Sep-24	1	1	0.72	0.72	Sep-25	1	1	11.27	11.27
7		Oct-24					Oct-24				
8		Nov-24					Nov-24				
9		Dec-24	1	1	3.67	3.67	Dec-24				
10		Jan-25	1	1	1.48	1.48	Jan-25				
11		Feb-25					Feb-25				
12		Mar-25	1	1	5.13	5.13	Mar-25				
Total			4	4	11	11	Total				
1	Voltage label	Apr-24	25	34	317.29	12.6916	Apr-25	66	117	98.29	61.88
2		May-24	26	37	134.52	5.173846154	May-25	38	47	911.34	13.80818
3		Jun-24	16	18	146.29	9.143125	Jun-25	39	51	287.39	7.562895
4	220Kv	Jul-24	23	27	112.56	4.893913043	Jul-25	34	49	300.03	7.693077
5		Aug-24	37	50	343.48	9.283243243	Aug-25	33	44	434	12.76471
6		Sep-24	50	74	1134.24	22.6848	Sep-25	63	112	759.75	23.02273
7		Oct-24	21	33	217.48	10.35619048	Oct-24			533	8.460317
8		Nov-24	10	13	55	5.5	Nov-24				
9		Dec-24	13	15	161	12.38461538	Dec-24				
10		Jan-25	15	22	302.86	20.19066667	Jan-25				
11		Feb-25	4	4	120.58	30.145	Feb-25				
12		Mar-25	10	12	433.2	43.32	Mar-25				
Total			250	339	3478.5	185.767	Total				
1	Voltage label	Apr-24	59	86	788.69	13.36762712	Apr-25	127	204	3225.51	73.3119
2		May-24	97	146	259.63	2.676597938	May-25	106	169	1005.66	7.918583
3		Jun-24	107	158	591.06	5.523925234	Jun-25	115	144	809.46	7.636415
4	132Kv	Jul-24	84	124	942.08	11.2152381	Jul-25	130	217	1419.26	12.34139
5		Aug-24	123	181	1032	8.390243902	Aug-25	134	223	1369.54	10.53492
6		Sep-24	107	176	1503	14.04672897	Sep-25	145	232	1541.54	11.50403
7		Oct-24	83	116	303.06	3.651325301	Oct-24			1235.57	8.521172
8		Nov-24	54	79	283	5.240740741	Nov-24				
9		Dec-24	46	65	238.16	5.177391304	Dec-24				
10		Jan-25	69	108	643.48	9.325797101	Jan-25				
11		Feb-25	44	50	201.76	4.585454545	Feb-25				
12		Mar-25	50	74	667	13.34	Mar-25				
Total			923	1363	7452.92	96.54107025	Total				
							757	1189	7381.03	58.45651	

[Signature]

22.10.25
ANMOL KUMARI
AEE/SLDC
BSPTCL, Patna

Major System Disturbances

S.No.	Disturbances	Form NO. : P5			
		Previous Year(Fy 2024-25)		Current Year(Fy 2024-25)	
		Number	Total Duration(Hrs.)	Number	Total Duration(Hrs.)
A	Disturbance when discome supply has been effected for more than 1hrs				
i	Due to 400kV transformer Failures				
ii	Due to 400kV transmission line Failures		0	0	0
iii	Due to 400kV sub-station equipment(CT,CVT,etc)		0	0	0
iv	Due to 220kV transformer Failures		0	0	0
v	Due to 220kV transmission line Failures		0	0	0
vi	Due to 220kV sub-station equipment(CT,CVT,etc)		0		
Vii	Due to 132kV transformer Failures		0	1	3.63
viii	Due to 132kV transmission line Failures	2	4.39	2	11.87
ix	Due to 132kV sub-station equipment(CT,CVT,etc)	2	12.2	8	58.57
B	Estimated unserved energy due to such interruptions			2	10.34
C	Other transmission Disturbances when DISCOM supply has got effected				
i					
ii					
iii					
iv					




 22.10.25
 ANMOL KUMARI
 AEE/SLDC
 BSPTCL, Patna

VOLTAGE AND FREQUENCY PERCENTAGE OF FY 2024-2025

form: P7 & P6
Annexure-I

Percentage of Voltage Range_400 KV				
S.No.	GSS NAME	Below 380 KV	380 KV-420 KV	Greater than 420 KV
1	400 KV Bakhtiyarpur	18.85	81.15	0.00

Percentage of Frequency Range_400 KV								
S.No.	GSS NAME	Greater than 50.5 Hz	50.2 Hz< Freq<=50.5 Hz	49.8 Hz< Freq<=50.2 Hz	49.5 Hz< Freq<=49.8 Hz	49 Hz< Freq<=49.5 Hz	48.5 Hz<= Freq<=49 Hz	Freq<48.5 Hz
1	400 KV Bakhtiyarpur	0.00	0.32	80.91	0.35	0.00	0.00	18.42

Percentage of Voltage Range_220 KV				
S.No.	GSS NAME	Below 209 KV	209 KV-231 KV	Greater than 231 KV
1	220KV Biharshariff	0.03	92.74	7.24
2	220KV Motipur	0.74	87.84	11.43
4	220KV Darbhanga	0.08	99.85	0.08
3	220KV Bakhtiyarpur	75.96	24.04	0.00

Percentage of Frequency Range_220 KV								
S.No.	GSS NAME	Greater than 50.5 Hz	50.2 Hz< Freq<=50.5 Hz	49.8 Hz< Freq<=50.2 Hz	49.5 Hz< Freq<=49.8 Hz	49 Hz< Freq<=49.5 Hz	48.5 Hz<= Freq<=49 Hz	Freq<48.5 Hz
1	220KV Biharshariff	0.00	0.19	71.10	0.38	0.00	0.00	28.32
2	220KV Motipur	0.00	0.29	99.28	0.43	0.00	0.00	0.00
4	220KV Darbhanga	0.00	0.30	99.35	0.31	0.00	0.00	0.05
3	220KV Bakhtiyarpur	0.00	0.13	45.35	0.07	0.00	0.00	54.44

Percentage of Voltage Range_132 KV				
S.No.	GSS NAME	Below 125.4 KV	125.4 KV-138.6 KV	Greater than 138.6 KV
1	132KV Biharshariff	0.03	83.51	16.46
2	132KV Motipur	0.04	90.85	9.11
3	132KV Bakhtiyarpur	77.93	22.07	0.00

Percentage of Frequency Range_132 KV								
S.No.	GSS NAME	Greater than 50.5 Hz	50.2 Hz< Freq<=50.5 Hz	49.8 Hz< Freq<=50.2 Hz	49.5 Hz< Freq<=49.8 Hz	49 Hz< Freq<=49.5 Hz	48.5 Hz<= Freq<=49 Hz	Freq<48.5 Hz
1	132KV Biharshariff	0.0023	0.01	96.74	1.77	0.00	0.00	0.027
2	132KV Motipur	0.00	0.28	99.29	0.42	0.00	0.00	0.00
3	132KV Bakhtiyarpur	0.00	0.12	39.81	0.05	0.00	0.00	60.03

Note: The data of 400 KV Bakhtiyarpur is analysed from 02/01/2025 12:45 pm to 30/03/2025 23:45 pm

22/10/2025
AEE/VLDC

22/10/25
EEG/VLDC

VOLTAGE AND FREQUENCY PERCENTAGE OF FY 2025-2026

Annexure-II

Percentage of Voltage Range_400 KV				
S.No.	GSS NAME	Below 380 KV	380 KV-420 KV	Greater than 420 KV
1	400KV Bakhtiyarpur	2.37	97.63	0.00

Percentage of Frequency Range_400KV								
S.No.	GSS NAME	Greater than 50.5 Hz	50.2 Hz< Freq<=50.5 Hz	49.8 Hz< Freq<=50.2 Hz	49.5 Hz< Freq<=49.8 Hz	49 Hz< Freq<=49.5 Hz	48.5 Hz<= Freq<=49 Hz	Freq<48.5 Hz
1	400KV Bakhtiyarpur	0.00	1.31	97.87	0.80	0.02	0.00	0.00

Percentage of Voltage Range_220 KV				
S.No.	GSS NAME	Below 209 KV	209 KV-231 KV	Greater than 231 KV
1	220KV Biharshariff	0.56	99.44	0.00
2	220KV Bakhtiyarpur	95.44 (Data reporting was 0 KV)	4.56	0.00
3	220KV Motipur	0.27	92.80	6.93

Percentage of Frequency Range_220 KV								
S.No.	GSS NAME	Greater than 50.5 Hz	50.2 Hz< Freq<=50.5 Hz	49.8 Hz< Freq<=50.2 Hz	49.5 Hz< Freq<=49.8 Hz	49 Hz< Freq<=49.5 Hz	48.5 Hz<= Freq<=49 Hz	Freq<48.5 Hz
1	220KV Biharshariff	0.02	0.74	98.66	0.37	0.02	0.00	0.19
2	220KV Bakhtiyarpur	0.02	0.01	99.95	0.03	0.00	0.00	0.00
3	220KV Motipur	0.00	1.09	98.24	0.64	0.03	0.00	0.00

Percentage of Voltage Range_132KV				
S.No.	GSS NAME	Below 125.4 KV	125.4 KV-138.6 KV	Greater than 138.6 KV
1.00	Biharshariff	0.51	96.49	2.99
2.00	Bakhtiyarpur	0.51	99.48	0.01
3.00	Motipur	0.03	95.93	4.04

Percentage of Frequency Range_132KV								
S.No.	GSS NAME	Greater than 50.5 Hz	50.2 Hz< Freq<=50.5 Hz	49.8 Hz< Freq<=50.2 Hz	49.5 Hz< Freq<=49.8 Hz	49 Hz< Freq<=49.5 Hz	48.5 Hz<= Freq<=49 Hz	Freq<48.5 Hz
1	Biharshariff	0.02	1.81	97.40	0.72	0.03	0.00	0.03
2	Bakhtiyarpur	0.00	1.31	97.82	0.82	0.01	0.00	0.03
3	Motipur	0.00	1.07	98.23	0.65	0.03	0.00	0.02

22/10/25
AEE/ULDC

22/10/25
EEE/ULDC

BIHAR STATE POWER TRANSMISSION COMPANY LIMITED

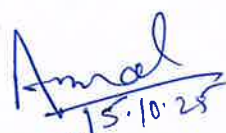
Licensee wise Load shedding carried out during the year

Form No: P8

FY 2024-25			
S. No.	Particulars	NBPDCL	SBPDCL
	Load shedding during the Year (In Hrs.)		
1	On SLDC's instructions		
a	To control excess drawal	599.03	688.96
b	To control equipment damage	5.13	1.5
c	Under force majeure conditions	0	0
2	Due to maintenance or outage of own network	5.21	3
3	Any other reason	9.5	3.08
	Total load shedding for the Year	618.87	696.54

FY April 2025-26 (Upto September 2025)			
S.No.	Particulars	NBPDCL	SBPDCL
	Load shedding during the Year (In Hrs.)		
1	On SLDC's instructions		
a	To control excess drawal	148.86	122.87
b	To control equipment damage	0.04	0
c	Under force majeure conditions	0	0
2	Due to maintenance or outage of own network	1.5	0
3	Any other reason	0.02	0.02
	Total load shedding for the Year	150.42	122.89




15.10.25
ANMOL KUMARI
AEE/SLDC
BSPTCL, Patna

BIHAR STATE POWER TRANSMISSION COMPANY LIMITED

Short Term Open Access Customers

Form No: F17

Rs. Crores

Particulars	FY 2024-25	FY 2025-26	FY 2026-27
	Actual	Estimated	Projected
Number of Short Term Open Access Customers	10	10	



Komal Anand
17/10/25
Komal Anand
AEE, SLDC
BSPCL, Patna

**% Availability of BSPTCL Transmission
System (TAFM) for
FY 2024-25**

Sl. No.	Month	Overall TAFM
1	Apr-24	99.36
2	May-24	99.66
3	Jun-24	99.40
4	Jul-24	99.59
5	Aug-24	99.37
6	Sep-24	99.06
7	Oct-24	99.50
8	Nov-24	99.30
9	Dec-24	99.09
10	Jan-25	99.29
11	Feb-25	99.24
12	Mar-25	99.34
13	Apr-25	99.37
14	May-25	99.19
15	Jun-25	99.45
16	Jul-25	99.25



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