

**Pro-forma for furnishing Actual annual performance/operational expenses  
for the Transmission Systems for FY 2022-23**

Name of Transmission Company:			Power Grid Corporation of India Limited	
Name of Transmission Region:			North Eastern Region	
Table-1 - Region wise information (average for the year, but otherwise total for the region) for AC system				
Sl. No.	Particulars		Units	2022-23
1	Number of AC Substation in operation		No.	
	(1)	765 kV		0
	(2)	400 kV		7
	(3)	220 kV		2
	(4)	132 kV		12
	(Nomenclature are as per highest available voltage level)			
2	Transformation capacity of AC Substation in operation		MVA*	
	(1)	765 kV		0
	(2)	400 kV		5320
	(3)	220 kV		1090
	(4)	132 kV		310
	(Nomenclature are as per highest available voltage level)			
3	Number of bays in each AC Substation in operation		No.	
	(1)	765 kV		0
	(2)	400 kV		111.5
	(3)	220 kV		47
	(4)	132 kV		161
	(Nomenclature are as per highest available voltage level)			
4	Ckt-km of AC lines in operation		No.	
	(1)	765 kV		0
	(2)	765 kV charged at 400 KV		0
	(3)	400 kV		3215.04
	(4)	400 kV Charged at 220 KV		322.07
	(5)	400 kV Charged at 132 KV		656.00
	(6)	220 kV		643.11
	(7)	132 kV		2140.05
	(Nomenclature are as per highest available voltage level)			
5	Total number of employees* engaged in O&M of Sub-station			
	(1)	765 kV	No	0
	(2)	400 kV		111
	(3)	220 kV		40
	(4)	132 kV		115
	(1)	765 kV		0.00
	(2)	400 kV	Cost (Rs. Lakhs)	3359.33
	(3)	220 kV		1210.57
	(4)	132 kV		3480.39
	(Nomenclature are as per highest available voltage level)			
6	Total number of employees* engaged in O&M of Transmission Lines			
	(1)	765 kV	No	0
	(2)	400 kV		78
	(3)	220 kV		22
	(4)	132 kV		85
	(1)	765 kV		0.00

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Sl. No.	Particulars		Units	2022-23
	(2)	400 kV	Cost (Rs. Lakhs)	2360.61
	(3)	220 kV		665.81
	(4)	132 kV		2572.46
	(Nomenclature are as per highest available voltage level)			

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<b>Name of Transmission Region:</b>	<b>North Eastern Region</b>

**Table-1 - Region wise information (average for the year, but otherwise total for the region) for AC system**

Sl. No.	Particulars		Units	2022-23	
7	Auxiliary Power Consumption (excluding colony power)		MU		
	(1)	765 kV		No 765 kV S/S	
	(2)	400 kV		3.728	
	(3)	220 kV		0.429	
	(4)	132 kV		1.688	
	(Nomenclature are as per highest available voltage level)				
	8	Colony Power Consumption		MU	
(1)		765 kV	No 765 kV S/S		
(2)		400 kV	1.046		
(3)		220 kV	0.389		
(4)		132 kV	1.136		
(Nomenclature are as per highest available voltage level)					
9		Spare ICTs/Reactors			No.
	(1)	765 kV ICT	0		
	(2)	400 kV ICT	0		
	(2)	400 kV Reactor	0		
	(3)	220 kV ICT	0		
	(4)	132 kV ICT	0		
	(1)	765 kV ICT	Cost (Rs. Lakhs)	0	
	(2)	400 kV ICT		0	
	(2)	400 kV Reactor		0	
	(3)	220 kV ICT		0	
	(4)	132 kV ICT		0	
	(Nomenclature are as per highest available voltage level)			0	
	10	Spare Smoothing Reactors			0
		(1)	765 kV	No.	NA
(2)		400 kV			
(3)		220 kV			
(4)		132 kV			
(1)		765 kV	Cost (Rs. Lakhs)		
(2)		400 kV			
(3)		220 kV			
(4)		132 kV			
(Nomenclature are as per highest available voltage level)					
11	ICTs				
	(1)	765 kV	No.	0	
	(2)	400 kV		16	
	(3)	220 kV		11	
	(4)	132 kV		12	
	(1)	765 kV	Cost (Rs. Lakhs)	Data separately not available/maintained	
	(2)	400 kV			
	(3)	220 kV			
	(4)	132 kV			
	(Nomenclature are as per highest available voltage level)				

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for the Transmission Systems for FY 2022-23**

<b>Name of Transmission Company:</b>	<b>Power Grid Corporation of India Limited</b>
<b>Name of Transmission Region:</b>	<b>North Eastern Region</b>

**Table-1 - Region wise information (average for the year, but otherwise total for the region) for AC system**

Sl. No.	Particulars	Units	2022-23
12	Reactors		
	(1) 765 kV	No.	0
	(2) 400 kV		45
	(3) 220 kV		2
	(4) 132 kV		8
	(1) 765 kV	Cost (Rs. Lakhs)	Data separately not available/maintained
	(2) 400 kV		
	(3) 220 kV		
	(4) 132 kV		
	(Nomenclature are as per highest available voltage level)		
13	STATCOM	No.	0
		Cost (Rs. Lakhs)	0
14	Average outage duration for	Hours/ year	
	A. Transmission Lines		
	(1) 765 kV		0
	(2) 400 kV		5.45
	(3) 220 kV		17.49
	(4) 132 kV		18.28
	B. Transformers		
	(1) 765 kV		0
	(2) 400 kV		8.66
	(3) 220 kV		24.23
	(4) 132 kV		17.77
	C. Reactors		
	(1) 765 kV		0
	(2) 400 kV		18.43
	(3) 220 kV		16.12
	(4) 132 kV		115.08
	(Nomenclature are as per highest available voltage level)		
15	Cost of Initial spares (for S/S)	(Rs. in Lakhs)	
	A. Capitalized		
	(1) 765 kV		0.00
	(2) 400 kV		
	(3) 220 kV		
	(4) 132 kV		
	B. In Stock		
	(1) 765 kV		Data separately not available/maintained
	(2) 400 kV		
	(3) 220 kV		
	(4) 132 kV		
	C. Cost of initial spares consumed		
	(1) 765 kV		Data separately not available/maintained
	(2) 400 kV		
	(3) 220 kV		
	(4) 132 kV		

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for the Transmission Systems for FY 2022-23**

<b>Name of Transmission Company:</b>	<b>Power Grid Corporation of India Limited</b>
<b>Name of Transmission Region:</b>	<b>North Eastern Region</b>

**Table-1 - Region wise information (average for the year, but otherwise total for the region) for AC system**

<b>Sl. No.</b>	<b>Particulars</b>	<b>Units</b>	<b>2022-23</b>
16	Cost of O&M spares Consumed (for S/s)	(Rs. In Lakhs)	
	(1) 765 kV		711
	(2) 400 kV		
	(3) 220 kV		
	(4) 132 kV		
	(Nomenclature are as per highest available voltage level)		
17	Cost of Initial spares (for Lines)	(Rs. In Lakhs)	
	A. Capitalized		0
	(1) 765 kV		
	(2) 400 kV		
	(3) 220 kV		
	(4) 132 kV		
	B. In Stock		Data separately not available/maintained
	(1) 765 kV		
	(2) 400 kV		
	(3) 220 kV		
	(4) 132 kV		
	C. Cost of initial spares consumed		Data separately not available/maintained
	(1) 765 kV		
	(2) 400 kV		
	(3) 220 kV		
	(4) 132 kV		
18	Cost of O&M spares Consumed (for Lines)	(Rs. In Lakhs)	
	(1) 765 kV		115
	(2) 400 kV		
	(3) 220 kV		
	(4) 132 kV		
	(Nomenclature are as per highest available voltage level)		

**Note:** \*Executive & non-executive/~~contract labour~~

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for the Transmission Systems for FY 2022-23**

Name of Transmission Company:		Power Grid Corporation of India Limited	
Name of Transmission Region:		North Eastern Region	
Table-2 - Station wise information (average for the year) for HVDC systems : B'Chariali			
Sl. No.	Particulars	Units	2022-23
1	Total number of employees* engaged in sub-station O&M	No.	21
		Cost (Rs. in lakh)	551.19
2	Total number of employees* engaged in O&M of Transmission Lines	No.	Data for manpower for HVDC TL O&M is not available separately as the same set of employees are maintaining both type of line (AC & HVDC)
		Cost (Rs. in lakh)	
3	Auxiliary power consumption (excluding colony)	(MU)	9.13
4	Colony power consumption	(MU)	0.23
5	Outage duration	Pole-days	2.27
6	Load curtailment	MW – days	
7	Cost of initial spares	(Rs. in lakh)	
	a) Capitalized		
	b) In Stock		
	c) Consumed		
8	Cost of O&M spares consumed	(Rs. in lakh)	166.41

**Note:** \*Executive & non-executive/~~contract labour~~

**Pro-forma for furnishing Actual annual performance/operational data  
for the communication system for FY 2022-23**

Name of Transmission Company:		Power Grid Corporation of India Limited	
Name of Transmission Region:		North Eastern Region	
Table-3 - Region wise information (average for the year, but otherwise total for the region) for Communication system			
Sl. No.	Particulars	Units	2022-23
1	Number of Communication Nodes in operation	(No.)	57
2	Average length of OPGW links in operation	(in Kms.)	2566
3	Number of Remote Terminal Units(RTUs)	(No.)	26
4	Number of PLCC links	(No.)	0
5	Number of OPGW links	(No.)	54
6	Number of Auxiliary Power Supply(DC) Nodes	(No.)	48
7	Number of employees engaged in O&M of RTU and Communication System	(No.)	
	1) Executive		2
	2) Non executive		1
	3) Outsourced		
8	Average outage duration for	(hours/ year)	
	a) Wideband Communication Links		172
	b) RTUs		
	c) PLCC		
	d) Auxiliary Power Supply System		
9	Cost of Initial spare	( INR in lakh)	
	a) Capitalized		
	b) In Stock		53.41
	c) Consumed		
10	Cost of O&M spares a) Consumed	( INR in lakh)	0
11	Number of PMU installed in the region	(No.)	59
12	O & M expenses of PMU incurred in the region	( INR in lakh)	249

(Note: separate note on utilization of PMU is to be given along with benefit availed during the year)

**Details of Operation & Maintenance Expenses of Transmission O&M service**  
**(To be filled for each of the Transmission Region)**

Name of Transmission Company:		Power Grid Corporation of India Limited
Name of Transmission Region:		North Eastern Region
		(Rs. In Lakhs)
Sr.No.	ITEM	2022-23
<b>1.0</b>	<b>Repairs and Maintenance Expenses :</b>	
1)	Repairs of Plant & Machinery	3308.66
2)	Consumption of Stores (not capitalized)	1347.39
3)	Consumption of Spares (not capitalized )	-
4)	Patrolling expenses	-
5)	Power Charges (electricity consumed for repairing activity)	1440.43
6)	Expenses of Diesel Generating sets	64.92
7)	Provisions	-
8)	Prior Period Adjustment , if any	-
9)	Other expenses, if any (please provide details)	-
	<b>Sub-total (R&amp;M Expenses)</b>	<b>6161.40</b>
<b>2.0</b>	<b>Administrative &amp; General Expenses:</b>	
1)	Insurance	776.21
2)	Security (General other than special)	2086.26
3)	Rent	447.60
4)	Electricity Charges	-
5)	Traveling and conveyance	805.94
6)	Communication expenses	115.18
7)	Advertisement and publicity	101.28
8)	Foundation laying and inauguration	-
9)	Books Periodicals and Journals	12.77
10)	Research expenses	66.61
11)	Cost Audit Fees	11.39
12)	Horticulture Expenses	34.63
13)	Bandwidth charges dark fibre lease charges (Telecom) etc	441.89
14)	Donations expenses	-
15)	Entertainment expenses	23.91
16)	Filing Fees	436.99
17)	Legal Expenses	213.49
18)	Consultancy Expenses	0.42
19)	Professional charges (not covered under employee expenses)	71.48
20)	Printing and Stationary	24.57
21)	Hiring of Vehicle (excluding construction & Corporate exp)	1196.46
22)	Training and Recruitment expenses	333.39
23)	Rates and taxes	366.09
24)	Rebate to Customers	944.09
25)	Self Insurance Reserve	1228.91
26)	Provisions (Provide details)	-
27)	Prior Period Adjustment , if any	-
28)	Any other A&G expenses (Provide details)	1424.19
	<b>Sub-total(A&amp;G Expenses)</b>	<b>11163.73</b>



**Details of Operation & Maintenance Expenses of Transmission O&M service**  
**(To be filled for each of the Transmission Region)**

Name of Transmission Company:		Power Grid Corporation of India Limited
Name of Transmission Region:		North Eastern Region
3.0	Employee Expenses	
1)	Salaries, wages and allowances	8490.66
2)	Staff welfare expenses	
	a) Contribution to Provident and other funds	1902.12
	b) Gratuity	34.94
	c) Pension	61.99
	d) Employee Medical Expenses	311.20
	e) Liveries and Uniforms	258.30
	f) Safety & Appliances expenses	60.24
	g) Others	836.38
3)	Productivity linked incentive	-
4)	Expenditure on VRS	-
5)	Ex-gratia	-
6)	Performance related pay (PRP)	2244.54
7)	Any other expenses	-
8)	Provisions (furnish details separately)	-
9)	Prior Period Adjustment , if any (furnish details separately)	-
10)	VII Pay Arrears Paid Pertaining to period prior to 2017-18	-
	<b>Sub-total( Employee Expenses)</b>	<b>14200.36</b>
4.0	Additional /Specific Security if any on the advise of Govt. Agency/ Statutory Authority/ any other reasons	1202.68
5.0	Loss of store/Disposal/Write off	-
6.0	Provisions (other than above)	-
7.0	Prior Period Adjustment , if any (not covered above)	-
8.0	Corporate office expenses allocation	-
	(i) Transmission O&M Service	1742.09
	(ii) Projects under construction	-
	(iii) ULDC -Communication	-
	(iv) Consultancy services, if any	-
	(v) Other business (Telecom)	-
	(vi) Other business (if any)	-
9.0	Corporate Social Responsibility expenses	3390.78
10.0	- Others (Specify items not included above)	
	<b>Sub Total (1 to 10)</b>	<b>37861.04</b>
11	Other Income, Revenue and Recoveries, if any	-
a)	Short term open access (other than transmission service	-
b)	System & Market operation charges	-
c)	Interest on differential tariff recovered	-
d)	Consultancy Services	-
e)	Interest against Loans and advances	-
f)	Interest from advanced to contractors/suppliers	-
g)	Income from lease of assets	-
h)	Disposal of scrap/stores (not covered under capitalized assets)	-
i)	Interest on Government securities	-
j)	Miscellaneous income from operations	-
k)	Revenue/ Recoveries, if any	-
12	Net Expenses	<b>37861.04</b>

**Details of Operation & Maintenance Expenses of Transmission O&M service**  
**(To be filled for each of the Transmission Region)**

Name of Transmission Company:		Power Grid Corporation of India Limited
Name of Transmission Region:		North Eastern Region
13	Capital spares consumed <b>not included in (A) (1) above and not claimed /allowed by Commission</b> for capitalization	Capital Spares not claimed/allowed by CERC have been consumed as O&M Spares
13A	Expenses against Capital expenditure incurred for Operation and Maintenance of Transmission System (not included in Capital Cost/Repair & Maintenance expenditure indicated 1.0(1) above)	-
14	Total Expenses (12) + (13A)	37861.04
Notes:		
	I. The details of Corporate Expenses and the methodology of allocation of corporate expenses to various functional activities and allocation of Corporate expenses pertaining to power generation/ transmission system to each operating stations/ transmission region/system and stations/ transmission region/system under construction should be clearly specified in ANNEXURE-VIII as provided here separately	
	II. An annual increase in O&M expenses under a given head in excess of 10% percent should be explained	
	III. The data should be based on audited balance sheets, duly reconciled and certified	
	IV. Employee cost should be excluding arrears paid for pay hike/prior period adjustment /payment	
	IV. Details of arrears, if any, pertaining to period prior to the year 2017-18 should be mentioned separately	
	V. No. of employees opting for VRS during each year should be indicated	
	VI. Details of abnormal expenses, if any, shall be furnished separately	
	VII. Break-up of staff welfare expenses should be furnished	
	VIII. Details of Consumptive Water requirement, contracted quantum and actual water consumed with source, rate, etc. should be furnished year-wise	
	IX. Details of capital spares consumed each year which were not claimed/allowed in the tariff should be furnished giving item wise unit price and quantity consumed	
Break Up of other A & G Expenses (Indicated at 2 (28) above)		
Sr. No.	Item	2022-23
1	Tax and Statutory Audit Fees	30.19
2	EDP Expenses	65.96
3	Miscellaneous Expenses	1283.72
4	Bad Debts Expenses	42.73
5	FERV Expense	1.59
	Total	1424.19

<b>Name of Transmission Company:</b>	<b>Power Grid Corporation of India Limited</b>	
<b>Name of Transmission Region:</b>	<b>North Eastern Region</b>	
<b>Particulars</b>	<b>Year</b>	<b>Reasons of Variance</b>
Expenses of Diesel Generating sets	2022-23	Increase in Diesel cost at various sub-stations
Traveling and conveyance	2022-23	Increase in Employee movement due to relaxation of Covid Norms
Advertisement and publicity	2022-23	Increase on account of Bijli Mahotsav
Books Periodicals and Journals	2022-23	Nominal amount
Research expenses	2022-23	Increase in research work
Legal Expenses	2022-23	Legal cost due to arbitration cases
Hiring of Vehicle (excluding construction & Corporate exp)	2022-23	Increase due to Fuel Cost & labour rate revisions time to time, etc
Training and Recruitment expenses	2022-23	Increase in offline trainings due to relaxation of Covid Norms
Rebate to Customers	2022-23	Rebate allowed on timely basis by DICs as per actuals.
Any other A&G expenses (Provide details)	2022-23	Increase due to increase in misc expenses and charging thereof
Power Charges (electricity consumed for repairing activity)	2022-23	Increase in monthly electricity bills at various S/s
Security (General other than special)	2022-23	Expenditure as per wage rate revisions time to time, on the basis of terms and conditions of contract & requirement of no. of security Man power
Horticulture Expenses	2022-23	Expenditure as per labour rate revisions time to time, on the basis of terms and conditions of contract & requirement of no. of labours and horticulture activites
Entertainment expenses	2022-23	Nominal amount
Filing Fees	2022-23	Increase due to increase in tariff
Rates and taxes	2022-23	Increase in GST against common expenses allocated

**DETAILS OF OPERATION AND MAINTENANCE EXPENSES OF COMMUNICATION SYSTEM**  
**(OTHER THAN TELECOM OR OTHER BUSINESS)**

<b>Name of Transmission Company:</b>		<b>Power Grid Corporation of India Limited</b>
<b>Name of Transmission Region:</b>		<b>North Eastern Region</b>
		(Rs. In Lakhs)
<b>Sr.No.</b>	<b>ITEM</b>	<b>2022-23</b>
<b>1.0</b>	<b>Repairs and Maintenance Expenses :</b>	
1)	Repairs of Plant & Machinery	320.08
2)	Consumption of Stores (not capitalized)	0.00
3)	Consumption of Spares (not capitalized )	Included in 1.0 (1)
4)	Patrolling expenses	Included in natural heads of expenditure
5)	Power Charges (electricity consumed for repairing activity)	0.00
6)	Expenses of Diesel Generating sets	0.00
7)	Provisions	0.00
8)	Prior Period Adjustment , if any	0.00
9)	Other expenses, if any (please provide details)	0.00
	<b>Sub0.00total (R&amp;M Expenses)</b>	<b>320.08</b>
<b>2.0</b>	<b>Administrative &amp; General Expenses:</b>	
1)	Insurance	0.00
2)	Security (General other than special)	0.00
3)	Rent	0.00
4)	Electricity Charges	0.00
5)	Traveling and conveyance	8.57
6)	Communication expenses	1.28
7)	Advertisement and publicity	3.97
8)	Foundation laying and inauguration	0.00
9)	Books Periodicals and Journals	0.00
10)	Research expenses	0.00
11)	Cost Audit Fees	0.00
12)	Horticulture Expenses	0.00
13)	Bandwidth charges dark fibre lease charges (Telecom) etc	167.34
14)	Donations expenses	0.00
15)	Entertainment expenses	0.03
16)	Filing Fees	10.45
17)	Legal Expenses	0.00
18)	Consultancy Expenses	0.00
19)	Professional charges (not covered under employee expenses)	0.00
20)	Printing and Stationary	0.00
21)	Hiring of Vehicle (excluding construction & Corporate exp)	0.00
22)	Training and Recruitment expenses	1.02
23)	Rates and taxes	0.00
24)	Rebate to Customers	10.86
25)	Self Insurance Reserve	0.00
26)	Provisions (Provide details)	0.00
27)	Prior Period Adjustment , if any	0.00
28)	Any other A&G expenses (Provide details)	0.23
	<b>Sub0.00total(A&amp;G Expenses)</b>	<b>203.76</b>

**DETAILS OF OPERATION AND MAINTENANCE EXPENSES OF COMMUNICATION SYSTEM**  
**(OTHER THAN TELECOM OR OTHER BUSINESS)**

<b>3.0</b>	<b>Employee Expenses</b>	
1)	Salaries, wages and allowances	133.20
2)	Staff welfare expenses	7.82
	a) Contribution to Provident and other funds	19.89
	b) Gratuity	0.00
	c) Pension	1.04
	d) Employee Medical Expenses	1.92
	e) Liveries and Uniforms	4.75
	f) Safety & Appliances expenses	0.41
	g) Others	0.00
3)	Productivity linked incentive	0.00
4)	Expenditure on VRS	0.00
5)	Ex0.00gratia	0.00
6)	Performance related pay (PRP)	25.39
7)	Any other expenses	0.00
8)	Provisions (furnish details separately)	0.00
9)	Prior Period Adjustment , if any (furnish details separately)	0.00
10)	VII Pay Arrears Paid Pertaining to period prior to 20170.0018	0.00
	<b>Sub0.00total( Employee Expenses)</b>	<b>194.42</b>
4.0	Additional /Specific Security it any on the advise of Govt. Agency/ Statutory Authority/ any other reasons	0.00
5.0	Loss of store/Disposal/Write off	0.00
6.0	Provisions (other than above)	0.00
7.0	Prior Period Adjustment , if any (not covered above)	0.00
8.0	Corporate office expenses allocation	0.00
	(i) Transmission O&M Service	0.00
	(ii) Projects under construction	0.00
	(iii) ULDC -Communication	0.00
	(iv) Consultancy services, if any	0.00
	(v) Other business (Telecom)	0.00
	(vi) Other business (if any)	0.00
9.0	Corporate Social Responsibility expenses	0.00
10.0	0.00 Others (Specify items not included above)	0.00
	<b>Sub Total (1 to 10)</b>	<b>718.26</b>
11	Other Income, Revenue and Recoveries, if any	0.00
a)	Short term open access (other than transmission service)	0.00
b)	System & Market operation charges	0.00
c)	Interest on differential tariff recovered	0.00
d)	Consultancy Services	0.00
e)	Interest against Loans and advances	0.00
f)	Interest from advanced to contractors/suppliers	0.00
g)	Income from lease of assets	0.00
h)	Disposal of scrap/stores (not covered under capitalized assets)	0.00
i)	Interest on Government securities	0.00
j)	Miscellaneous income from operations	0.00
k)	Revenue/ Recoveries, if any	0.00
12	Net Expenses	<b>718.26</b>

**DETAILS OF OPERATION AND MAINTENANCE EXPENSES OF COMMUNICATION SYSTEM**  
**(OTHER THAN TELECOM OR OTHER BUSINESS)**

13	Capital spares consumed <b>not included in (A) (1) above and not claimed /allowed by Commission</b> for capitalization	Capital Spares not claimed/allowed by CERC have been consumed as O&M
13A	Expenses against Capital expenditure incurred for Operation and Maintenance of Transmission System (not included in Capital Cost/Repair & Maintenance expenditure indicated 1.0(1) above)	0.00
14	Total Expenses (12) + (13A)	718.26
Notes:		
	I. The details of Corporate Expenses and the methodology of allocation of corporate expenses to various functional activities and allocation of Corporate expenses pertaining to power generation/ transmission system to each operating stations/ transmission region/system and stations/ transmission region/system under construction should be clearly specified in ANNEXURE 0.00 VIII as provided here separately	
	II. An annual increase in O&M expenses under a given head in excess of 10% percent should be explained	
	III. The data should be based on audited balance sheets, duly reconciled and certified	
	IV. Employee cost should be excluding arrears paid for pay hike/prior period adjustment /payment	
	IV. Details of arrears, if any, pertaining to period prior to the year 2017-18 should be mentioned separately	
	V. No. of employees opting for VRS during each year should be indicated	
	VI. Details of abnormal expenses, if any, shall be furnished separately	
	VII. Breakup of staff welfare expenses should be furnished	
	VIII. Details of Consumptive Water requirement, contracted quantum and actual water consumed with source, rate, etc. should be furnished year wise	
	IX. Details of capital spares consumed each year which were not claimed/allowed in the tariff should be furnished giving item wise unit price and quantity consumed.	
Break Up of other A & G Expenses (Indicated at 2 (28) above)		
Sr. No.	Item	2022-23
1	Tax and Statutory Audit Fees	0.00
2	EDP Expenses	0.00
3	Miscellaneous Expenses	0.23
4	Bad Debts Expenses	0.00
5	FERV Expense	0.00
	Total	0.23

**Additional Region-wise Information required from Transmission Licensees****Name of Transmission Company:****Power Grid Corporation of India Limited****Name of Transmission Region:****North Eastern Region****Table-1 - Length (km) of Transmission Lines in Commercial Operation**

	Status as on	1.4.2023
1	HVDC	
	a) S/C	
2	765 kV	
	a) S/C	
	b) D/C	
3	765 kV Charged at 400 KV	
	a) S/C	
4	400 kV	
	a) S/C	
	b) D/C	1805.75
5	400 kV Charged at 220 KV	
	a) D/C	161.03
6	400 kV Charged at 132 KV	
	a) D/C	309.40
7	220 kV	
	a) S/C	84.41
	b) D/C	279.35
8	Up to 132 kV	
	a) S/C	1802.91
	b) D/C	168.57

**Table-2-Ckt km by Conductor Configuration**

		Type of Conductor	1.4.2023
1	Quad	Moose D/C	609.8
2	Twin	Moose D/C	3943.2
3	Single	ACSR Zebra D/C	557.5
		ACSR Zebra S/C	20.2
		AAAC Zebra S/C	75.8
		ACSR Panther D/C	337.1
		ACSR Panther S/C	1201.9
		AAAC Panther S/C	589.5
<b>Grand Total</b>			<b>7334.93</b>

**Additional Region-wise Information required from Transmission Licensees**

<b>Name of Transmission Company:</b>	<b>Power Grid Corporation of India Limited</b>
<b>Name of Transmission Region:</b>	<b>North Eastern Region</b>

**Table-3- Number of AC Substations in Commercial Operation**

<b>Status as on</b>			
			<b>1.4.2023</b>
1	765 kV		0
2	400 kV		7
3	220 kV		2
4	Up to 132 kV		12

**Table-4 - Number of Sub-station bays in Commercial Operation**

<b>Status as on</b>			
			<b>1.4.2023</b>
1	HVDC		29
2	765 kV		0
3	400 kV		112
4	220 kV		47
5	Up to 132 kV		161

**Table-5 - Cost of Outsourcing of Services (Rs. lakh)**

<b>Status as on</b>			<b>2022-23</b>
1	Substation O&M		2740.06
2	Lines O&M		1472.63
3	Security		3257.72
4	Others		11746.11
	<b>Grand Total</b>		<b>19216.52</b>

**Table-6 - Total O&M Expenditure Including RHQ, but Excluding HVDC Stations (Rs lakh)**

<b>Status as on</b>			<b>2022-23</b>
1	O&M		35335.53
	<b>Total</b>		<b>35335.53</b>



<b>Annexure-X</b>	
<b>Name of Transmission Company:</b>	<b>Power Grid Corporation of India Limited</b>
<b>Name of Transmission Region:</b>	<b>North Eastern Region</b>
<b><u>Station wise O&amp;M Expenditure at HVDC Station (Rs. lakh)</u></b>	
<b>Particulars</b>	<b>2022-23</b>
Name of HVDC Station:	Biswanath Chariali
i) No of Employees	21
ii) A&G Expenses	918.80
iii) Repairs & Maintenance	1055.52
Iv) Employee Expenses*	551.19
v) Corporate expenses allocated*	Included in Annexure-VI (B-I)
vi) Other income	0
vii) Any other income	0
<b>Total Expenditure</b>	<b>2525.51</b>

**Additional Region-wise Information required from Transmission Licensees (Communication System)**

<b>Name of Transmission Company:</b>	<b>Power Grid Corporation of India Limited</b>
<b>Name of Transmission Region:</b>	<b>North Eastern Region</b>
<b>Table-1- Details of Communication system in Commercial Operation</b>	
<b>Particulars</b>	<b>Status as on</b>
	<b>1.04.2023</b>
OPGW Communication Links in operation(in Kms)	2584.44
Number of wideband Communication nodes in operation	57
Number of RTUs in operation	26
Number of PLCC links in operation	0
Number of PMUs in operation	0
Number of Auxiliary Power Supply Nodes in operation	48
<b>Table-2- Cost of Outsourcing of Services (INR in lakhs)</b>	
	<b>2022-23</b>
Communication system O&M	76.02
PLCC O&M	
RTU O&M	
Auxiliary Power Supply O&M	
Hiring charges of Bandwidth	
Security	
Others	2
<b>Total</b>	<b>78.02</b>

**Auxiliary Consumption separately for 132kV, 220kV, 400kV & 765kV AC and HVDC Substation  
Separately**

<b>Name of Transmission Company:</b>			<b>Power Grid Corporation of India Limited</b>	
<b>Name of Transmission Region:</b>			<b>North Eastern Region</b>	
S.no	Voltage level	Substations	2022-23	
			MU	%
1	132	AIZAWL	0.146	-
2	132	BADARPUR	0.223	-
3	400	BALIPARA	0.496	-
4	400	BONGAIGAON	0.550	-
5	220	DIMAPUR	0.101	-
6	132	HAFLONG	0.157	-
7	400	IMPHAL	0.103	-
8	132	JIRIBAM	0.156	-
9	132	KHLIEHRIAT	0.187	-
10	132	KUMARGHAT	0.088	-
11	400	MISA	0.932	-
12	132	NIRJULI	0.291	-
13	220	SALAKATI	0.257	-
14	132	ZIRO	0.091	-
15	400	SILCHAR	0.515	-
16	400	MARIANI	0.186	-
17	132	NAMSAI	0.067	-
18	132	TEZU	0.121	-
19	132	ROING	0.085	-
20	220	MOKOKCHUNG	0.071	-
21	132	MELRIAT	0.076	-
22	HVDC	HVDC BNC	9.129	-
23	400	BNC	0.947	-

**Details of incidental Expenses During Construction (IEDC) including compensation, employee expenses and other expenses for assets achieving COD post 01.04.2017**

Name of Transmission Company:			Power Grid Corporation of India Limited				
Name of Transmission Region:			North Eastern Region				
Sl. No.	Name of Scheme	Sub-station (S/s)/ Transmission Line (TL)	MVA/ Line Length (km)	Compensation (Forest, crop, Tree, PTCC)	Employee Expenses	Administrative & General Expenses	Any other expenses
1	NER-P390	Jigmiling -Alipurduar (Ner Portion)			1833.07	2528.47	-
2	NER-P434	1 LINK OF CS 83.963 KM 19.03.21			12.29	11.30	-
3	NER-P448	Opern Misa-NewMarian_TL_to-400KV			209.89	219.84	-
4	NER-P484	Haflong_Jiribam_Upgrade_GIS_132KV			253.33	173.36	-
5	NER-P484	Kumarghat Upgradation			109.29	110.64	-
6	NER-P484	Aizawl_Upgrade_GIS_132KV			111.60	124.68	-
7	NER-P484	Dimapur_Upgrade_GIS_132KV			352.78	422.81	-
8	NER-P484	3x10 MVA Mokochung ICT3			23.25	83.46	-
9	NER-NESB	Bus Reactor Misa			77.26	36.58	-
10	NER-P368	URTD SM			175.45	42.24	-
11	NER1-NES3	Balipara ICT1			39.58	101.63	-
12	NER-FONE	11 CS Links			89.71	51.79	-
13	NER-P434	09 CS Links			192.93	91.46	-
14	NER-P448	Imphal Bus Reactor 2			59.29	57.24	-
15	NER-P448	Mariani ICT 2 & BR2			288.03	308.08	-
16	NER-P448	Mariani ICT I			81.23	108.13	-
17	NER-P448	Mariani BR I			61.46	65.00	-
18	NER-P452	Silchar PK Bari Ckt I			136.03	152.30	-
19	NER-P452	Silchar PK Bari Ckt II			24.34	12.89	-
20	NER-FONE	1 link CS FONE			4.05	2.33	-
21	NER1-NES3	2nd ICT Bongaigaon			241.39	230.16	-
22	NER-P408	ICT III at Misa NERSS IV			163.71	244.55	-
23	NER1-PALA	132 kV Melriat Shimmui TI along with bays			66.42	43.90	-
24	NER-P449	Spare ICT Nirjuli & Kopili			68.56	18.68	-
25	NER-P449	80 MVAR & 63 MVAR Reactor Bongaigaon			94.76	25.13	-
26	NER-P449	3-Ph ICT-III Silchar Substation			157.42	45.66	-
27	NER-P449	Re-conductoring of Imphal Yurembam line			6.10	2.48	-
28	NER-P434	Hot Line Speech Comm System			3.25	2.19	-
29	NER-FONE	Fiber Optic Links(4 nos) under Central sector			15.16	10.19	-
30	NER-P408	125 MVAR Bus Reactor at Bongaigaon			19.52	27.99	-
31	NER-P408	125 MVAR Bus Reactor at Balipara			28.25	39.86	-
32	NER1-PALA	4x6.67 MVAR,145 kV Bus Reactor at Namsai SS			7.67	5.09	-
33	NER1-PALA	132/33 kV,1-Ph ICT I & II at Namsai SS			29.95	19.79	-
34	NER1-PALA	132 kV Tezu-Namsai TL alongwith Bays			95.01	62.82	-
35	NER1-HVNE	400kV D/C Kameng - Balipara TL			466.52	174.12	-
36	NER-P449	Mokochung Bus Reactor			58.00	5.66	-
37	NER-P408	Bus Reactor at Silchar			87.37	-	-
38	NER1-PALA	400 kV DIC Silchar- Melriat (New) Transmission Line (charged at 132kV) along with associated bays at Silchar and Melriat Substations and 132kV Melriat (PG) GIS Substation			789.81	521.78	-
39	NER-P408	Silchar Imphal Upgradation			320.49	404.36	-
40	NER1-PALA	Aizawl-Zembawk			70.59	46.64	-

**Details of incidental Expenses During Construction (IEDC) including compensation, employee expenses  
and other expenses for assets achieving COD post 01.04.2017**

Name of Transmission Company:			Power Grid Corporation of India Limited				
Name of Transmission Region:			North Eastern Region				
41	NER1-PALA	Bus Reactor at Melriat			6.04	3.99	-
42	NER-P408	ICT at Misa S/S			40.39	46.92	-
43	NER1-PALA	Pasighat Roing+ICT1&2+BR			20.71	0.91	-
44	NER1-PALA	Roing Tezu+BR			14.27	0.64	-
45	NER-P449	Spare ICT at Silchar SS			45.51	1.01	-
46	NER1-PALA	Silchar Hailakandi			91.68	4.06	-
47	NER-NES3	ICT Balipara			39.58	101.63	-
48	NER1-PALA	ICT-I at Tezu			0.05	0.01	-
49	NER-P408	Re-conductoring of 132 KV D/C Agartala GBPP-Agartala (State) with HTLS conductor Line II			14.30	20.17	-
50	NER-P408	Re-conductoring of 132 KV D/C Agartala GBPP-Agartala (State) with HTLS conductor Line I			15.36	21.68	-

**Details of Capital Cost of Transmission Line**

<b>Name of Transmission Company:</b>			<b>Power Grid Corporation of India Limited</b>			
<b>Name of Transmission Region:</b>			<b>North Eastern Region</b>			
<b>Sl. No.</b>	<b>Year</b>	<b>Configuration</b>	<b>Length (km)</b>	<b>Total Cost</b>	<b>Cost/km</b>	<b>Cost/ckt-km</b>
1	2022-23	HVDC		<b>Data separately not available/maintained</b>		
		a) S/C	0.00			
		765 kV				
		a) S/C	0.00			
		b) D/C	0.00			
		765 kV Charged at 400 KV				
		a) S/C	0.00			
		400 kV				
		a) S/C				
		b) D/C	179.63			
		400 kV Charged at 220 KV				
		a) D/C	0.00			
		400 kV Charged at 132 KV				
		a) D/C	0.00			
		220 kV				
		a) S/C	0.00			
		b) D/C	0.00			
		Up to 132 kV				
		a) S/C	0.00			
		b) D/C	0.00			

Annexure-XVIII							
Details of Capital Cost of Transmission Line							
Name of Transmission Company:			Power Grid Corporation of India Limited				
Name of Transmission Region:			North Eastern Region				
SI No.	Year	Configuration	MVA Capacity	No. of Bays	Total Cost	Cost/MVA	Cost/bays
1	2022-23	765kV		0	Data separately not available/maintained		
		400kV		1			
		220kV		0			
		132kV		0			
		HVDC		0			