

**Annexure B**

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Statement of Projected Profit and Loss		(Form No. S1)	
Particulars		Previous Year (Rs Cr)	Previous Year (Rs Cr)
		FY 2019-20	FY 2020-21
I	Revenue from operations	207.84	460.20
II	Other Income	19.26	32.97
<b>III</b>	<b>Total Income ( I+II)</b>	<b>227.10</b>	<b>493.17</b>
IV	Expenses		
	Employee benefit expenses	4.31	11.29
	Finance cost	89.01	162.50
	Depreciation and amortisation expense	85.88	95.55
	Other expenses	12.05	28.14
	<b>Total expenses (IV)</b>	<b>191.25</b>	<b>297.47</b>
<b>V</b>	<b>Profit/(Loss) before exceptional items and tax (III-IV)</b>	<b>35.85</b>	<b>195.70</b>
VI	Exceptional Items	-	-
VII	Profit/(Loss) before Tax (V-VI)	35.85	195.70
VIII	Total Tax expense	4.22	40.88
	(1) Current Tax	-	42.00
	(2) Deffered Tax	4.22	-1.12
<b>IX</b>	<b>Profit (Loss) for the period from Continuing operations (VII-VIII)</b>	<b>31.63</b>	<b>154.82</b>
X	Profit/(Loss) from dis continuing operations	-	-
XI	Tax expense of dis continuing operations	-	-
XII	Profit/(Loss) from dis continuing operations (after tax) (X-XI)	-	-
<b>XIII</b>	<b>Profit/(Loss) for the period (IX+XII)</b>	<b>31.63</b>	<b>154.82</b>
XIV	Other Comprehensive income	-	-
<b>XV</b>	<b>Total Comprehensive income for the period(XIII+XIV)</b>	<b>31.63</b>	<b>154.82</b>
XVI	Earnings per equity share (for continuing operation)		
	(1) Basic	0.63	2.86
	(2) Diluted	0.63	2.86
XVII	Earnings per equity share (for dis continued operation)		
	(1) Basic	-	-
	(2) Diluted	-	-
XVIII	Earnings per equity share (for dis continued & Continuing operations)		
	(1) Basic	0.63	2.86
	(2) Diluted	0.63	2.86

*7/1/2020*

Projected Balance Sheet		Form No: S2	
Particulars	As at 31st March, 2020	As at 31st March, 2021	
<b>ASSETS</b>			
<b>Non-Current Assets</b>			
(a) Property, Plant and Equipment	1,605.05	1,806.68	
(b) Capital Work-in-Progress	817.19	832.07	
(c) Other Intangible Assets	1.31	1.25	
(d) Intangible Assets under Development	0.17	0.17	
(e) Other non current assets	4.53	3.17	
<b>Total Non-Current Assets</b>	<b>2,428.24</b>	<b>2,643.33</b>	
<b>Current Assets</b>			
(a) Inventories	1.70	1.70	
(b) Financial Assets			
(i) Trade receivables	210.11	506.31	
(ii) Cash and Cash Equivalents	164.59	110.26	
(c) Other Current Assets	15.84	55.29	
<b>Total Current Assets</b>	<b>392.24</b>	<b>673.56</b>	
<b>Total Assets</b>	<b>2,820.48</b>	<b>3,316.90</b>	
<b>EQUITY AND LIABILITIES</b>			
<b>Equity</b>			
(a) Equity Share Capital	501.59	580.59	
(b) Other Equity	93.31	235.14	
<b>Total Equity</b>	<b>594.90</b>	<b>815.73</b>	
<b>Liabilities</b>			
<b>Non-Current Liabilities</b>			
(a) Financial Liabilities			
(i) Borrowings	1,689.91	1,926.71	
(ii) Other Non Current financial Liabilities	115.59	109.37	
(b) Deferred Tax Liabilities (net)	132.28	131.16	
<b>Total non current Liability</b>	<b>1,937.78</b>	<b>2,167.24</b>	
<b>Current Liabilities</b>			
(a) Financial Liabilities			
(i) Other Current Financial Liabilities	146.05	156.13	
(b) Other Current Liabilities	137.60	131.22	
(c) Provisions	4.17	4.57	
(d) Current Tax Liabilities (Net)	-	42.00	
<b>Total Current Liabilities</b>	<b>287.81</b>	<b>333.93</b>	
<b>Total Equity and Liabilities</b>	<b>2,820.48</b>	<b>3,316.90</b>	

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<b>Cash Flow Statement</b>		<b>Form No: S3</b>	
<b>Particulars</b>		<b>Previous Year FY 2019-20</b>	<b>Previous Year FY 2020-21</b>
<b>A.</b>	<b><u>CASH FLOW FROM OPERATING ACTIVITIES</u></b>		
	Net Profit/(Loss) as per Profit & Loss A/c	31.63	154.82
	Depreciation	85.88	95.52
	Finance Costs	89.01	162.50
	Interest Received from Bank	-0.85	-4.64
	Prior Period Expenses/ Preliminary expenses	-	-
	Operating profit before working capital changes	205.67	408.19
	<b>Adjustment For Increase/Decrease in:</b>		
	Trade Receivables	-29.19	-296.20
	Other Current Assets	-8.90	-39.45
	Inventories	0.07	-
	Other Current Liabilities	26.50	-6.37
	Other Current Financial Liabilities	36.28	10.09
	Deferred Tax Liabilities	4.22	-1.12
	Short Term Provisions	0.87	0.40
	Current Tax Liabilities	-	42.00
	<b>TOTAL</b>	<b>235.52</b>	<b>117.54</b>
<b>B.</b>	<b><u>CASH FLOW FROM INVESTING ACTIVITIES</u></b>		
	Tangible/Intangible Assets	-271.58	-297.09
	Capital Work in Progress	-460.13	-14.88
	Long Term Loans and Advances	28.09	1.36
	Interest Received from Bank	0.85	4.64
	<b>TOTAL</b>	<b>-702.77</b>	<b>-305.97</b>
<b>C.</b>	<b><u>CASH FLOW FROM FINANCING ACTIVITIES</u></b>		
	Issue of Share Capital / Other Equity	171.21	66.01
	CSR Expenditure	-	-
	Interest and Finance Costs Paid	-89.01	-162.50
	Other Non Current Financial Liabilities	53.28	-6.22
	Borrowings	481.41	236.80
	<b>TOTAL</b>	<b>616.89</b>	<b>134.10</b>
<b>D.</b>	<b>NET INCREASE/(DECREASE) IN CASH FLOW (A+B+C)</b>	<b>149.64</b>	<b>-54.33</b>
<b>E.</b>	<b>CASH &amp; CASH EQUIVALENT AT THE BEGINNING OF THE YEAR</b>	<b>14.95</b>	<b>164.59</b>
<b>F.</b>	<b>CASH &amp; CASH EQUIVALENT AT THE END OF THE YEAR</b>	<b>164.59</b>	<b>110.26</b>

*7/2/20*



## Annual Revenue Requirement

Form No. F1

S.No.	Particulars	As per Order dated 20.03.2020	Claimed	Current Year	Ensuing years (Projection)		
		FY 2020-21		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
I.	Energy Available (MU)		4,870.90	5,845.08	7,014.10	8,416.92	10,100.30
II.	Energy Transmitted/Wheeled (MU)		4,809.10	5,770.91	6,925.10	8,310.12	9,972.14
III.	Loss %		1.27%	1.27%	1.27%	1.27%	1.27%
IV.	Transmission Cost per unit (Rs/U)						
V.	Total Transmission System Capacity (in MW)						
VI.	Transmission Cost per MW						
VII.	Max Demand handled by the transmission system (in MW)						
<b>A.</b>	<b>Income from Transmission Function</b>						
<b>1</b>	<b>Receipts</b>						
a	Transmission/Wheeling Charges at current tariff rates	460.20	460.20	533.51	646.07	659.63	640.59
b	Subsidy from Govt. (If any)	-	-	-	-	-	-
	<b>Total Receipts (A)</b>	<b>460.20</b>	<b>460.20</b>	<b>533.51</b>	<b>646.07</b>	<b>659.63</b>	<b>640.59</b>
<b>B</b>	<b>Expenditure</b>						
<b>1</b>	<b>O&amp;M Expenses</b>						
i	Employee Expenses	9.41	11.29	11.97	12.69	13.45	14.25
ii	R&M Expense	12.43	20.46	14.73	25.71	28.36	28.36
iii	A&G Expense	3.93	7.68	7.87	8.06	8.25	8.45
	<b>Total O&amp;M expenses (i+ii+iii+iv)</b>	<b>25.77</b>	<b>39.43</b>	<b>34.57</b>	<b>46.46</b>	<b>50.06</b>	<b>51.07</b>
<b>2</b>	<b>Return on Equity</b>	<b>110.68</b>	<b>78.11</b>	<b>115.52</b>	<b>154.25</b>	<b>161.78</b>	<b>161.78</b>
<b>3</b>	<b>Depreciation</b>	<b>162.27</b>	<b>95.40</b>	<b>150.01</b>	<b>187.19</b>	<b>193.28</b>	<b>193.28</b>
<b>4</b>	<b>Interest and finance charges on Loan Capital</b>	<b>214.48</b>	<b>131.88</b>	<b>193.23</b>	<b>252.52</b>	<b>247.93</b>	<b>228.16</b>
<b>5</b>	<b>Interest on Working Capital</b>	<b>4.04</b>	<b>2.61</b>	<b>3.31</b>	<b>4.43</b>	<b>4.45</b>	<b>4.18</b>
<b>6</b>	<b>Contribution towards Contingency Reserve</b>	<b>-</b>	<b>4.72</b>	<b>6.98</b>	<b>18.64</b>	<b>19.55</b>	<b>19.55</b>
<b>7</b>	<b>Gain/ Loss sharing</b>	<b>-</b>	<b>-1.74</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>9</b>	<b>Availability Incentive (TAF)</b>	<b>-</b>	<b>2.56</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>10</b>	<b>Transmission Loss Incentive</b>	<b>-</b>	<b>2.48</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>Total Expenditure (B)</b>	<b>517.24</b>	<b>355.47</b>	<b>503.61</b>	<b>663.49</b>	<b>677.05</b>	<b>658.02</b>
<b>C</b>	<b>Other Deductions</b>						
<b>1</b>	<b>Income from other Business</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>2</b>	<b>Non tariff income</b>	<b>3.73</b>	<b>17.42</b>	<b>17.42</b>	<b>17.42</b>	<b>17.42</b>	<b>17.42</b>
<b>3</b>	<b>Revenue from Short Term transmission charges</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>Total Other Deductions (C)</b>	<b>3.73</b>	<b>17.42</b>	<b>17.42</b>	<b>17.42</b>	<b>17.42</b>	<b>17.42</b>
<b>D</b>	<b>Net ARR for Transmission Function (B-C)</b>	<b>513.51</b>	<b>338.05</b>	<b>486.19</b>	<b>646.07</b>	<b>659.63</b>	<b>640.59</b>
<b>E</b>	<b>Shortfall/ (Excess) before tariff revision impact (A-D)</b>	<b>-53.31</b>	<b>-122.15</b>				
<b>F</b>	<b>Surplus/ (Gap) Adjustment of Prev. years</b>		<b>-53.32</b>				
<b>G</b>	<b>Shortfall/ (Excess) after Gap adjustment (E-F)</b>		<b>-175.47</b>				



Signature of Petitioner

**Allotted Transmission Capacity and Charges to be paid by Long Term Transmission  
Long Term Transmission Customers ( CL)**

**Form F2**

(In MW)

	Particulars	Approved	Actual	FY 2021-22	Ensuing years (Projection)							
		FY 2020-21			FY 2022-23	FY 2023-24	FY 2024-25					
A	Distribution Licensees	All Bills are raised to BSPTCL										
1	North Bihar Power Distribution Company Limited											
2	South Bihar Power Distribution Company Limited											
3	Others											
	i.											
	ii.											
B	Bulk Consumers/Long Term Open Access Customers (If											
1												
2												
	Transmission Capacity to all the long term Transmission											
Charges to be paid by Long Term Transmission Customers/month				Rs. Crores								
A	Distribution Licensees											
1	North Bihar Power Distribution Company Limited	All Bills are raised to BSPTCL										
2	South Bihar Power Distribution Company Limited											
3	Others											
	i.											
	ii.											
B	Bulk Consumers/Long Term Open Access Consumers (If any)											
1												
2												
Total												

*F. Z. Singh*

**Projection of Sales, Connected Load and Demand**  
**Form No: F3**

	Particulars	Approved	Actual	FY 2021-22	Ensuing years (Projection)							
		FY 2020-21			FY 2022-23	FY 2023-24	FY 2024-25					
<b>A) Projection of sales (MU)</b>												
A	Distribution Licensees	Not applicable for BGCL as a fixed tariff bill is raised to BSPTCL										
1	North Bihar Power Distribution Company Limited											
2	South Bihar Power Distribution Company Limited											
3	Others											
	-----											
B	Bulk Consumers/Long Term Open Access Consumers (If any)											
1												
2												
	TOTAL											
<b>B) Projection of Connected Load (in KW)</b>												
A	Distribution Licensees											
1	North Bihar Power Distribution Company Limited											
2	South Bihar Power Distribution Company Limited											
3	Others											
	-----											
B	Bulk Consumers/Long Term Open Access Consumers (If any)											
1												
2												
	TOTAL											
<b>C) Projection of Maximum or Peak Demand (in MW) (Unrestricted)</b>												
A	Distribution Licensees											
1	North Bihar Power Distribution Company Limited											
2	South Bihar Power Distribution Company Limited											
3	Others											
	---											
B	Bulk Consumers/Long Term Open Access Consumers (If any)											
1												
2												
	TOTAL											

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<b>D) Projection of Minimum Demand (in MW)</b>							
A	Distribution Licensees						
1	North Bihar Power Distribution Company Limited						
2	South Bihar Power Distribution Company Limited						
3	Others						
	`---						
B	Bulk Consumers/Long Term Open Access Consumers (If any)						
1							
2							
	TOTAL						
<b>E) Projection of Average Demand (in MW)</b>							
A	Distribution Licensees						
1	North Bihar Power Distribution Company Limited						
2	South Bihar Power Distribution Company Limited						
3	Others						
	`--						
B	Bulk Consumers/Long Term Open Access Consumers (If any)						
1							
2							
	TOTAL						



**Signature of Petitioner**



Revenue At Current Tariff Rates

Form No: F4

Rs. Crores

	Particulars	As per Order dated 20.03.2020	Claimed	Current Year	Ensuing years (Projection)		
		FY 2020-21		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
		As BGCL bills a fixed tariff to BSPTCL, the section is not relevant					
A	Distribution Licensees						
1	North Bihar Company Limited						
2	South Bihar Company Limited						
3	Others						
	i.						
	ii.						
	TOTAL						
B	Bulk Consumers/Long Term Open Access Consumers (If any)						
1							
2							
	TOTAL						
	Grand Total						
<b>At Proposed Tariff Rates</b>							
	Particulars	As per Order dated 20.03.2020	Claimed	Current Year	Ensuing years (Projection)		
		FY 2020-21		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
		As BGCL bills a fixed tariff to BSPTCL, the section is not relevant					
A	Distribution Licensees						
1	North Bihar Power Distribution Company Limited						
2	South Bihar Power Distribution Company Limited						
3	Others						
	i.						
	ii.						
	TOTAL						
B	Bulk Consumers/Long Term Open Access Consumers (If any)						
1							
2							
	TOTAL						
	Grand Total						
Le	Tariff at Current Rates						
	Impact of Tariff Revision						

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## (a) Details of Transmission Lines and Substations

## Transmission Lines

SNo	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	132 kV D/C Amnour (BGCL) - Chhapra (BSPTCL) T/L	AC	D/C	1	132	51.16	27-Dec-17
2	220 kV D/C Hajipur (BSPTCL) - Amnour (BGCL) T/L	AC	D/C	1	220	95.27	18-Apr-17
3	132 kV D/C Amnour (BGCL) - Siwan (BSPTCL) T/L	AC	D/C	1	132	130.73	• Ckt 2: 24 Apr 2017 • Ckt 1: 12 Aug 2017
4	LILO of 220kV D/C BiharSharif (BSPTCL) - Bodhgaya (BSPTCL) T/L at Khijirsarai (BGCL)	AC	D/C	1	220	25.71	• 220kV BiharSharif – Bodhgaya – 7 Aug 2017 • 220 kV BiharSharif Khijir Sarai – 26 Aug 2017
5	132 kV S/C Khizersarai (BGCL) - Jehanabad (BSPTCL) T/L	AC	D/C	1	132	61.18	26-Feb-20
6	LILO of 132kV S/C Bodhgaya (BSPTCL) - Wazirganj (BSPTCL) T/L at Khijirsarai (BGCL)	AC	S/C	1	132	30.26	• KhijirSarai – Wazirganj – 8 Sep 2017 • Khijirsarai – Bodhgaya- 10 Sep 2017
7	132 kV S/C Khizersarai (BGCL) - Hulasganj (BSPTCL) T/L	AC	S/C	1	132	10.29	26-Aug-17
8	220 kV D/C Patna (PG) – Khagaul (BSPTCL) T/L	AC	D/C	1	220	51.31	08-Aug-19
9	LILO of one circuit of 132 kV D/C Khagaul (BSPTCL) - Digha (BSPTCL) T/L at Bihta New (BSPTCL)	AC	D/C	1	132	53.46	2021-22
10	220 kV D/C Khizersarai (BGCL) - Gaya (PG) T/L	AC	D/C	1	220	115.91	27-May-18
11	220 kV D/C Sekhopur Sarai (BGCL) - Narhat (BGCL) T/L	AC	D/C	1	220	101.69	22-Dec-17
12	220 kV D/C Khizersarai (BGCL) - Narhat (BGCL) T/L	AC	D/C	1	220	109.44	17-Sep-17
13	132 kV D/C Narhat (BGCL) -Nawada (BSPTCL) T/L	AC	D/C	1	132	35.15	17-Sep-17
14	132 kV S/C Sekhopur Sarai (BGCL) - BiharSharif (BSPTCL) T/L	AC	S/C	1	132	43.12	26-Feb-19
15	132 kV D/C Sekhopur Sarai (BGCL) - Sheikhpora (BSPTCL) T/L	AC	D/C	1	132	48.14	23-Dec-17
16	LILO of 220 kV D/C Begusarai (BSPTCL) - BiharSharif (BSPTCL) T/L at Mokama (BGCL)	AC	D/C	1	220	12.86	20-Sep-20
17	132 kV D/C Mokama (BGCL) - Hatidah (BSPTCL) T/L	AC	D/C	1	132	13.96	24-Sep-20
18	220 kV D/C Sekhopur Sarai (BGCL) - Haveli Kharagpur (BGCL) T/L	AC	D/C	1	220	249.03	02-May-18
19	LILO of 132 kV D/C Sultanganj (BSPTCL) - Lakhisarai (BSPTCL) T/L at Haveli Kharagpur (BGCL)	AC	D/C	1	132	73.24	02-May-18
20	132 kV D/C Haveli Kharagpur (BGCL) - Jamalpur (BSPTCL) T/L	AC	D/C	1	132	67.16	21-Jan-19
21	132 kV D/C Goradiah (BGCL) - Sabour (BSPTCL) T/L	AC	D/C	1	132	23.87	16-Jun-19
22	LILO of 132 KV D/C Kahalgaon (BSPTCL) - Sultanganj (BSPTCL) T/L at Goradiah(BGCL)	AC	D/C	1	132	36.07	27-Jan-19
23	220 kV D/C Haveli Kharagpur (BGCL) - Goradiah (BGCL) T/L	AC	D/C	1	220	120.40	26-Jan-19

(b) Substations							
No	Name of Sub- station	Type of Substation Conventional/ GIS	Voltage level kV	No. of transformers / Reactors/ SVC etc (with capacity)		No. of Bays	Date of Commercial operation /Put in use
				Number	Capacity		
1	220/132/33 kV Amnour GIS	GIS	220/132	2	160	220kV-5, 132kV-9, 33kV-11	19-Apr-17
2	220/132/33 kV Amnour GIS	GIS	132/33	2	50		
3	220/132/33 kV Khijirsarai GIS	GIS	220/132/33	1	160	220kV-11, 132kV-13, 33kV-14	07-Aug-17
4	220/132/33 kV Khijirsarai GIS	GIS	132/33	2	50		
5	220/132/33 kV Goradih GIS	GIS	220/132	1	160	220kV-5, 132kV-11, 33kV-11	26-Jan-19
6	220/132/33 kV Goradih GIS	GIS	132/33	1	50		
7	220/132/33 kV Haveli Kharagpur GIS	GIS	220/132	1	160	220kV-7, 132kV-11, 33kV-11	02-May-18
8	220/132/33 kV Haveli Kharagpur GIS	GIS	132/33	2	50		
9	220/132/33 kV Shekhopur Sarai GIS	GIS	220/132	1	160	220kV-7, 132kV-8, 33kV-11	22-Dec-17
10	220/132/33 kV Shekhopur Sarai GIS	GIS	132/33	2	50		
11	220/132/33 kV Narhat GIS	GIS	220/132	1	160	220kV-7, 132kV-7, 33kV-11	17-Sep-17
12	220/132/33 kV Narhat GIS	GIS	132/33	2	50		
13	220/132/33 kV Mokama GIS	GIS	220/132	1	160	220kV-7, 132kV-7, 33kV-11	24-Sep-20
14	220/132/33 kV Mokama GIS	GIS	132/33	1	80		01-Oct-20
15	220/132 kV 160 MVA Transformer 2 of GIS, Narhat (Nawada)	GIS	220/132	1	160	220kV-01 132kV-01	14-May-19
16	220/132 kV 160 MVA Transformer 2 of GIS, Khirjisarai (Gaya Manpur)	GIS	220/132	1	160	220kV-01 132kV-01	22-Aug-19
17	220/132 kV 160 MVA Transformer 2 of GIS, Shekhopur Sarai	GIS	220/132	1	160	220kV-01 132kV-01	08-Nov-19
18	132/33 kV 50 MVA Transformer 2 of GIS, Goradih (Sabour)	GIS	132/33	1	50	132kV-01 33kV-01	21-Dec-19
19	220/132 kV 160 MVA Transformer 2 of GIS, Haveli Kharagpur (Jamalpur)	GIS	220/132	1	160	220kV-01 132kV-01	19-Jan-20

*F. J. J.*

**(c) Extension of Substations**

No	Name of Extension Sub- station	Type of Substation Conventional/ GIS	Voltage level kV	No. of Bays	Date of Commercial operation /Put in use	Covered in this petition (Yes/No)
1	132/33 kV Siwan (BSPTCL)	Conventional	132kV	2	24-Apr-17	Yes
2	132/33 kV Chhapra (BSPTCL)	Conventional	132kV	2	27-Dec-17	Yes
3	220/132 kV Hazipur (BSPTCL)	GIS	220kV	5	18-Apr-17	Yes
5	400/220 kV Gaya (PG)	Conventional	220kV	2	27-May-18	Yes
6	132/33 kV Hulasganj (BSPTCL)	Conventional	132kV	1	26-Aug-17	Yes
4	400/220 kV Gaurichak (PG)	Conventional	220kV	2	08-Aug-19	Yes
7	220/132 kV Khagaul (BSPTCL)	GIS	220kV	2	08-Aug-19	Yes
8	132/33 kV Sabour (BSPTCL)	Conventional	132kV	2	16-Jun-19	Yes
9	132/33 kV Jamalpur (BSPTCL)	Conventional	132kV	2	21-Jan-19	Yes
10	132/33 kV B'Sharif (BSPTCL)	Conventional	132kV	1	27-Feb-19	Yes
11	132/33 KV Seikhpura (BSPTCL)	Conventional	132kV	2	27-Dec-17	Yes
12	132/33 KV Nawada (BSPTCL)	Conventional	132kV	2	17-Sep-17	Yes
13	Sabour Bay Extension (2 * 133 kV Bay AIS)	Conventional	132kV	2	16-Jun-19	Yes
14	Jehanabad Bay Extension (2x132 kV AIS)	Conventional	132kV	2	26-Feb-20	Yes
15	Hatidah Bay Extension (2 * 132 kV Bay AIS)	Conventional	132kV	2	24-Sep-20	Yes

\*Note:- Information to be provided for Previous Year, Current Year &amp; Ensuing Control Period

**(c) Details of Installed Transformer at Substation**

Sl.No	Voltage Ratio of Transformer (kV/kV)	Details of Transformers		Details of Transformers		Details of Transformers	
		Total number	Total Capacity (MVA)	Total number	Total Capacity (MVA)	Total number	Total Capacity (MVA)
		Previous Year (FY 2020-21)		Current Year (FY 2020-21)		Ensuing Year (FY 2021-22)	
1	400/220	-	-	-	-	-	-
2	400/132	-	-	-	-	-	-
3	220/132	12 (160MVA)	1,920	12	1,920	14	2,240
4	220/33	-	-	-	-	-	-
5	132/33	12 (50MVA)	600	12	600	14	700
6	132/33	1 (80 MVA)	80	2	160	2	160

Note: Information required for Previous years, current year

7/2/2020



## (a) Details of Transmission Lines and Substations

Transmission Lines							
SNo	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	LILO of 400 kV D/C Nabinagar II - Patna (PG) transmission line at Jakkanpur - 14km	AC	D/C	1	400	28	2021-22
2	LILO of 220 kV D/C Sipara (BSPTCL) - Bihta (BSPTCL) line at Jakkanpur (new) (14 kms)	AC	D/C	1	220	28	2022-23
3	LILO of 220 kV S/C Khagaul (BSPTCL) - Sipara (BSPTCL) at Jakkanpur (new)(10 kms)	AC	S/C	1	220	10	2022-23
4	LILO of 132 kV D/C Jakkanpur-Sipara line at Jakkanpur(new) (being reconducted with HTLS by BSPTCL) (20 kms)	AC	D/C	1	132	40	2022-23
5	LILO of 132 kV S/C Jakkanpur/Mithapur-Fatuha line at Jakkanpur New (being reconducted with HTLS by BSPTCL)	AC	S/C	1	132	12	2021-22
6	LILO of 220 kV D/C Ara (PG)- Dumraon (New) and LILO of 220 kV D/C line Nadokhar (BSPTCL) - Dumraon (New) (BGCL) (50 kms)	AC	D/C	1	220	100	13-12-2021
7	132 kV D/C Dumraon(New)-Dumraon(BSPTCL) transmission line(8kms)	AC	D/C	1	132	16	Ckt 1: 10.01.21 Ckt 2: 2021-22
8	132 kV Dumraon (new) -Buxar (BSPTCL) (20 kms)	AC	D/C	1	132	40	2021-22
9	LILO of 400 kV D/C quad ckt 3&4 of Patna-balia line at Naubatpur(new)(12 kms)	AC	D/C	1	400	24	2021-22
10	LILO of 220kV D/C Ara (PG) - Khagaul (BSPTCL) line at Naubatpur(new) - (22 kms)	AC	D/C	1	220	44	2021-22
11	220 kV D/C Naubatpur(New) - Bihta (BSPTCL) transmission line (25 kms)	AC	D/C	1	220	50	2021-22
12	220 kV D/C Naubatpur(New)- Bhusaula(new) transmission Line (18 kms)	AC	D/C	1	220	36	2021-22
13	LILO of one ckt of 132 kV D/C Purnea - Naugachi /Khagaria line at Katihar (BSPTCL) (30 kms)	AC	D/C	1	132	60	2022-23
14	LILO of 132 kV D/C Ara (BSPTCL) - Jagdishpur (BSPTCL) at Dumraon New (BGCL)	AC	D/C	1	132	88.04	2021-22
15	132 kV D/C Naubatpur-Masauhari transmission line (11.5 kms)	AC	D/C	1	132	23	2021-22
16	132 kv D/C Naubatpur - Palliganj transmission line (25.5 kms)	AC	D/C	1	132	51	2022-23

<b>(b) Substations</b>							
No	Name of Sub- station	Type of Substation Conventional/ GIS	Voltage level kV	No. of transformers / Reactors/ SVC etc (with capacity)	No. of Bays	Date of Commercial operation /Put in use	Covered in this petition (Yes/No)
1	Jakkanpur 400kV GIS	GIS	400kV	02(500MVA),0 3(160MVA),04( 80MVA		2021-22/ 2022-23	Yes
2	Dumraon 220kV GIS	GIS	220 kV	02(160MVA),0 2(80MVA)		160 MVA Tf 1 (01-01-21) 80 MVA Tf 1 (10-01-21) 80 MVA Tf 2 (09.09.21) and GIS (13.12.2021)	Yes
3	Naubatpur 400kV GIS	GIS	400kV	02(500MVA),0 2(160MVA),02( 80MVA		2021-22/ 2022-23	Yes
4	Bhasaula 220KV GIS	GIS	220 kV	02(100MVA)		2021-22	Yes

**(c) Extension of Substations**

132 kV Dumraon (BSPTCL)	GIS	132 kV		2	10-01-2021	Yes
132 kV Buxar (BSPTCL)	GIS	132 kV		2	2021-22	Yes
220 kV Bihta GIS (BSPTCL)	GIS	220 kV		2	2021-22	Yes
132 kV Katihar (BSPTCL)	GIS	132 kV		2	2022-23	Yes
132 kV Palliganj (BSPTCL)	GIS	132 kV		2	2022-23	Yes
132 kV Masuahari (BSPTCL)	GIS	132 kV		2	2021-22	Yes

\*Note:- Information to be provided for Previous Year, Current Year & Ensuing Control Period

**(c) Details of Installed Transformer at Substation**

Sl.No	Voltage Ratio of Transformer (kV/kV)	Details of Transformers		Details of Transformers		Details of Transformers	
		Total number	Total Capacity (MVA)	Total number	Total Capacity (MVA)	Total number	Total Capacity (MVA)
		Previous Year (2020-21)		Current Year (2021-22)		Ensuing Year (2022-23)	
1	400/220	-	-	4	2,000	4	2,000
2	400/132	-	-	-	-	-	-
3	220/132	1.00	160.00	4	640	7	1,120
4	220/33	-	-	2	200	2	200
5	132/33	2.00	160.00	6	480	7	530

Note: Information required for Previous years, current year

*Fzifore*

## Phase IV (Supplementary)

Form: F5

## (a) Details of Transmission Lines and Substations

## Transmission Lines

SNo	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							

## (b) Substations

No	Name of Sub- station	Type of Substation Conventional/ GIS	Voltage level kV	No. of transformers / Reactors/ SVC etc (with capacity)	No. of Bays	Date of Commercial operation /Put in use	Covered in this petition (Yes/No)
1	Installation of 420kV, 2x125MVar bus reactor at 400/220/132/33kV GIS Jakkanpur S/s along with associated bays	GIS	420	2 (125 KVar reactor)	2	2022-23	Yes
2	Installation of 420kV, 2x125MVar bus reactor at 400/220/132/33kV GIS Naubatpur S/s along with associated bays	GIS	420	2 (125 KVar reactor)	2	2022-23	Yes
3	Installation of 220/132kV, 160MVA 3rd ICT at 220/132/33kV GIS Chapra S/s along with associated bays	GIS	220	1 ICT (160 MVA)	2	2022-23	Yes

## (c) Details of Installed Transformer at Substation

SLNo	Voltage Ratio of Transformer (kV/kV)	Details of Transformers		Details of Transformers		Details of Transformers	
		Total number	Total Capacity (MVA)	Total number	Total Capacity (MVA)	Total number	Total Capacity (MVA)
		Previous Year (FY 2020-21)		Current Year (2021-22)		Ensuing Year (2022-23)	
1	400/220	-	-	-	-	-	-
2	400/132	-	-	-	-	-	-
3	220/132	-	-	-	-	1.00	160.00
4	220/33	-	-	-	-	-	-
5	132/33	-	-	-	-	-	-

Note: Information required for Previous years, current year

## ABT Metering

Form: F5

S.No.	Particulars	Total number	Total number	Total number
		Previous Year (FY 2020-21)		Current Year (2021-22)
		Ensuing Year (2022-23)		
1	ABT Meters	0	87	311

F21/2020



**(d) Investment Plan (Scheme-wise) (Rs. in Cr.)**

Form No: F5

S.N	Name of scheme / Project	Name of line/ Sub-line/ Sub-station etc	Approved Outlay		Progressive upto beginning of prev. year		Previous year FY 2020-21				Current year FY 2021-22		Easting Year 2022-23		Progressive Capital Expenditure upto the end of the ensuing year FY 2022-23			
			Approved in MYT/RE	Actual*	Capitalization	Capital Expenditure (CWIP)	Capitalization	Capital Expenditure (CWIP)	Capitalization	Capital Expenditure (CWIP)	Capitalization	Capital Expenditure (CWIP)	Capitalization	Capital Expenditure (CWIP)	Capitalization	Capital Expenditure (CWIP)	Capitalization	Capital Expenditure (CWIP)
1	Phase IV(Part 1 of 2)		2,091.89		1,736.35	123.48	1,717.82	156.09	144.60	229.96	158.16	57.03	0.34	2,091.89	0.34	2,091.89	-	
2	Phase IV (part 2 of 2)		1,688.36		41.78	693.71			152.43	886.21	1,304.47	183.69	1.19	1,688.36	1.19	1,688.36	-	
3	Phase IV (Part 2 Supplementary)		111.14		-	-			-	-	-	111.14	44.46	111.14	44.46	111.14	-	
4	ABT Metering		-		-	-			-	-	5.99	11.66	11.66	17.64	11.66	17.64	-	
	<b>Total</b>		3,891.39		1,778.13	693.71	1,717.82	156.09	297.03	1,116.17	1,468.61	363.52	57.64	3,909.04	57.64	3,909.04	-	

\*\*Must be in agreement with the figures shown in audited account, otherwise a reconciliation statement must be accompanied.

\* Please furnish separately details regarding approval of Capital Investment under BERC (Procedure for Filing Capital Investment and Capitalization Plan) Regulations, 2018 and indicate the portion which is not approved under BERC (Procedure for Filing Capital Investment and Capitalization Plan) Regulations, 2018.

Note:

Ø The amount of grants and loans shall be furnished separately scheme wise and funding agency wise. Ø Additional column may be inserted(if required) for Ensuing Years (Projection).  
 Ø All Information for previous year, current year (RE), 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	Project	Year	Originally proposed (DPR Estimate)	Approved by the Commission	Revised	Revised approval by the Commission in review	Actual expenditure till FY 2020-21
1	Phase IV(Part 1 of 2)		1699.36	1699.36	2091.89	2091.89	1,880.95
2	Phase IV (part 2 of 2)	FY 2017-18	1688.36	1688.36	NA	NA	152.43
3	Phase IV (Supplementary)	FY 2019-20	111.14	111.14	NA	NA	-
4	ABT Metering	FY 2021-22	17.64	0	NA	NA	-

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.

7/2/2020

**(f) Abstract of Capital Cost for the existing Project, Capital Cost Estimates and Schedule of Commissioning for the New projects (Rs Crores)** **Form No:F5**

	Particulars	Approved	Claimed	Current Year	Ensuing years (Projection)		
		FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	
1	Capital Cost	3,891.38	3,717.55	3,851.82	3,909.46	3,909.46	3,909.46
	-Foreign Component						
	Foreign Exchange rate considered for the admitted						
	-Domestic Component						
	-IDC including Financing Charges	167.01	21.09	201.46	56.15	-	-
	Capital cost admitted as on -----						
	(Give reference of the BEREC relevant Order with Pet						
2	Less : Capital Expenditure(CWIP)	-	1,678.13	305.88	-	-	-
3	Less : User contributions and Grants						
4	Total Capital Cost admitted	3,891.38	2,039.42	3,545.94	3,909.46	3,909.46	3,909.46
5	Increase /Decrease due to FERV						
6	Capital Cost for Purposes of ARR*	3,891.38	2,039.42	3,545.94	3,909.46	3,909.46	3,909.46

\*Must be in agreement with the figures shown in Form No: F5 (page-2), otherwise a reconciliation statement must be accompanied.

# In accordance with the Capital cost approved by the Hon'ble BEREC vide Order dated 20.03.2020

Note

1. Copy of approval letter should be enclosed. Deviation in capital cost and scope of work if any, must be submitted in detailed.

2. Details of IDC & Financing Charges are to be furnished as per FORM-

**(g) Financial Package of Capital cost Admitted**

Particulars	Capital Cost as Approved		FY 2020-21		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
	Currency	Amount	Capital Cost Incurred	Capital Cost Admitted	Capital Cost to be Incurred	Capital Cost to be Incurred	Capital Cost to be Incurred	Capital Cost to be Incurred
Loans								
PFC/ REC		3,113.10	1,631.53	1,631.53	2,836.76	3,127.57	3,127.57	3,127.57
Total Loan		3,113.10	1,631.53	1,631.53	2,836.76	3,127.57	3,127.57	3,127.57
Equity	INR							
Domestic		778.28	407.88	407.88	709.19	781.89	781.89	781.89
Total Equity		778.28	407.88	407.88	709.19	781.89	781.89	781.89
Total Capital		3,891.38	2,039.42	2,039.42	3,545.94	3,909.46	3,909.46	3,909.46
Debt : Equity	80:20							

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

*Handwritten signature*



**(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 2nd Qtr. Of the FY 2021-	As on Scheduled COD of the Station
Foreign Exchange rate considered for the Capital cost estimates		
<b>Capital Cost excluding IDC, FC, FERC &amp; Hedging Cost</b>		
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) ABT Metering scheme	17.64	
<b>IDC, FC, FERC &amp; Hedging Cost</b>		
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		
<b>Capital cost Including IDC, FC, FERC &amp; Hedging Cost</b>		
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) for ABT Metering scheme	17.64	-
<b>Schedule of Commissioning</b>		
Schedule COD Elementwise		
1. 87 meters estimated to be implemented in FY 2021-22		
2. 311 meters estimated to be implemented in FY 2022-23		
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

**(i) Break-up of Project Cost for Transmission System Phase IV (Part 1 of 2)****Form No: F5**

Rs. Crores

No	Break Down	As per original estimates	As per RCE 2	Variation (B-C)
	A	B	C	D
A	Transmission Line			
1	Preliminary works			
1.1	Survey (Incl Substation)	2.41	2.97	-0.56
1.2	forest clearance, PTCC , general civil works etc.	40.33	40.33	0.00
	<b>Total Preliminary works</b>	<b>42.74</b>	<b>43.30</b>	<b>-0.56</b>
2	Transmission Lines material			
2.2	Conductor	544.02	775.18	-231.16
2.4	Insulators			
2.1	Towers Steel			
2.3	Earth Wire			
2.5	Hardware Fittings			
2.6	Conductor & Earthwire accessories			
2.7	Spares			
2.8	Erection, Stringing & Civil works including foundation			
	<b>Total Transmission Line Materials</b>	<b>544.02</b>	<b>775.18</b>	<b>-231.16</b>
3	Taxes and Duties			
3.1	Custom Duty			
3.2	Other Taxes & Duties			
	<b>Total Taxes &amp; Duties</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total</b>	<b>-Transmission lines</b>	<b>586.76</b>	<b>818.48</b>	<b>-231.72</b>
B.	Substations			
4	Preliminary works & land			
4.1	Design & Engineering			
4.2	Land	31.3	12.92	18.38
4.3	Site preparation			
	<b>Total Preliminary works &amp; land</b>	<b>31.3</b>	<b>12.92</b>	<b>18.38</b>
5	Civil Works			
5.1	Control Room including HVAC	69.97	107.96	-37.99
5.2	Township & Colony			
5.3	Roads and Drainage			
5.4	Foundation for structures			
5.5	Misc. civil works			
	<b>Total Civil Works</b>	<b>69.97</b>	<b>107.96</b>	<b>-37.99</b>

72/10/20



<b>6</b>	Substation Equipments			
6.1	Transformers			
6.2	Switchgear (CT,PT, Circuit Breaker, Isolator etc)			
6.3	Compensating Equipment (Reactor, SVCs etc)			
6.4	Control , Relay & Protection Panel			
6.5	PLCC			
6.6	HVDC package	637.25	768.62	-131.37
6.7	Bus Bars/ conductors/Insulators			
6.8	Outdoor lighting			
6.9	Emergency D.G. Set			
6.10	Grounding System			
6.11	Structure for switchyard			
	<b>Total Substation Equipments</b>	<b>637.25</b>	<b>768.62</b>	<b>-131.37</b>
7	Spares	13.56	7.81	5.75
<b>8</b>	Taxes and Duties			
8.1	Custom Duty			
8.2	Other Taxes & Duties			
	<b>Total Taxes &amp; Duties</b>	<b>13.56</b>	<b>7.81</b>	<b>5.75</b>
<b>Total (Sub-station)</b>		<b>752.08</b>	<b>897.31</b>	<b>-145.23</b>
<b>9</b>	Construction and pre-commissioning expenses			
9.1	Site supervision & site admn.etc.			
9.2	Tools and Plants			
9.3	construction Insurance			
	<b>Total Construction and pre-Commissioning expenses</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>10</b>	Overheads			
10.1	Establishment			
10.2	Audit & Accounts			
10.3	Contingency	40.17	51.47	-11.30
	<b>Total Overheads</b>	<b>40.17</b>	<b>51.47</b>	<b>-11.3</b>
<b>11</b>	<b>Total Cost</b>	<b>1379.01</b>	<b>1767.26</b>	<b>-388.25</b>
<b>12</b>	IDC, FC, FERV & Hedging Cost			
12.1	Interest During Construction (IDC)	159.69	204.52	-44.83
12.2	Financing Charges (FC)			
12.3	Foreign Exchange Rate Variation (FERV)			
12.4	Hedging Cost			
12.5	Incidental Expenditure During Construction (IEDC)	160.66	120.11	40.55
	<b>Total of IDC, FC, FERV &amp; Hedging Cost</b>	<b>320.35</b>	<b>324.63</b>	<b>-4.28</b>
<b>13</b>	<b>Capital Cost incl IDC, FC, FERV &amp; Hedging Cost</b>	<b>1699.36</b>	<b>2091.89</b>	<b>-392.53</b>

Note:

1. In case of time & Cost over run, a detailed note giving reasons of such time and cost over run should be submitted clearly bring out the agency responsible and whether such time & cost over run was beyond the control of the transmission licensee.
2. Above statement to be provided separately for each transmission line commissioned during the ARR period

*7/21/2020*

**(i) Break-up of Project Cost for Transmission System Phase IV (Part 2 of 2)****Form No: F5**

Rs. Crores

No	Break Down	As per original estimates	As per RCE	Variation (B-C)
	A	B	C	D
A	Transmission Line			
1	Preliminary works			
1.1	Survey (Incl Substation)	1.51		
1.2	forest clearance, PTCC , general civil works etc.	127.32		
	<b>Total Preliminary works</b>	<b>128.83</b>	<b>0.00</b>	<b>0.00</b>
2	Transmission Lines material			
2.2	Conductor	271.35		
2.4	Insulators			
2.1	Towers Steel			
2.3	Earth Wire			
2.5	Hardware Fittings			
2.6	Conductor & Earthwire accessories			
2.7	Spares			
2.8	Erection, Stringing & Civil works including foundation			
	<b>Total Transmission Line Materials</b>	<b>271.35</b>	<b>0.00</b>	<b>0.00</b>
3	Taxes and Duties			
3.1	Custom Duty			
3.2	Other Taxes & Duties			
	<b>Total Taxes &amp; Duties</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total -Transmission lines</b>		<b>400.18</b>	<b>0.00</b>	<b>0.00</b>
B.	Substations			
4	Preliminary works & land			
4.1	Design & Engineering			
4.2	Land	52.71		
4.3	Site preparation			
	<b>Total Preliminary works &amp; land</b>	<b>52.71</b>	<b>0.00</b>	<b>0</b>
5	Civil Works			
5.1	Control Room including HVAC	24.06		
5.2	Township & Colony			
5.3	Roads and Drainage			
5.4	Foundation for structures			
5.5	Misc. civil works			
	<b>Total Civil Works</b>	<b>24.06</b>	<b>0.00</b>	<b>0</b>

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6	Substation Equipments			
6.1	Transformers	901.88		
6.2	Switchgear (CT,PT, Circuit Breaker, Isolator etc)			
6.3	Compensating Equipment (Reactor, SVCs etc)			
6.4	Control , Relay & Protection Panel			
6.5	PLCC			
6.6	HVDC package			
6.7	Bus Bars/ conductors/Insulators			
6.8	Outdoor lighting			
6.9	Emergency D.G. Set			
6.10	Grounding System			
6.11	Structure for switchyard			
	<b>Total Substation Equipments</b>	<b>901.88</b>	<b>0.00</b>	<b>0</b>
7	Spares			
8	Taxes and Duties			
8.1	Custom Duty			
8.2	Other Taxes & Duties			
	<b>Total Taxes &amp; Duties</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>Total (Sub-station)</b>	<b>978.65</b>	<b>0.00</b>	<b>0.00</b>
9	Construction and pre-commissioning			
9.1	Site supervision & site admn.etc.			
9.2	Tools and Plants			
9.3	construction Insurance			
	<b>Total Construction and pre-Commissioning expenses</b>	<b>0</b>	<b>0</b>	<b>0</b>
10	Overheads			
10.1	Establishment			
10.2	Audit & Accounts			
10.3	Contingency	35.20		
	<b>Total Overheads</b>	<b>35.20</b>	<b>0.00</b>	<b>0</b>
11	<b>Total Cost</b>	<b>1414.03</b>	<b>0.00</b>	<b>0.00</b>
12	IDC, FC, FERV & Hedging Cost			
12.1	Interest During Construction (IDC)	158.66		
12.2	Financing Charges (FC)			
12.3	Foreign Exchange Rate Variation (FERV)			
12.4	Hedging Cost			
12.5	Incidental Expenditure During Construction (IEDC)	159.62		
	<b>Total of IDC, FC, FERV &amp; Hedging Cost</b>	<b>318.28</b>	<b>0.00</b>	<b>0</b>
13	<b>Capital Cost incl IDC, FC, FERV &amp; Hedging Cost</b>	<b>1688.36</b>	<b>0.00</b>	<b>0.00</b>

Note:

*Force*



**(i) Break-up of Project Cost for Transmission System Phase IV (Supplementary)****Form No: F5**

Rs. Crores

No	Break Down	As per original estimates	As per RCE	Variation (B-C)
	A	B	C	D
A	Transmission Line			
1	Preliminary works			
1.1	Survey (Incl Substation)			0.00
1.2	forest clearance, PTCC , general civil works etc.			0.00
	<b>Total Preliminary works</b>	<b>0</b>	<b>0.00</b>	<b>0.00</b>
2	Transmission Lines material			
2.2	Conductor			
2.4	Insulators			
2.1	Towers Steel			0.00
2.3	Earth Wire			
2.5	Hardware Fittings			
2.6	Conductor & Earthwire accessories			
2.7	Spares			
2.8	Erection, Stringing & Civil works including foundation			
	<b>Total Transmission Line Materials</b>	<b>0</b>	<b>0.00</b>	<b>0.00</b>
3	Taxes and Duties			
3.1	Custom Duty			
3.2	Other Taxes & Duties			
	<b>Total Taxes &amp; Duties</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total -Transmission lines</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
B.	Substations			
4	Preliminary works & land			
4.1	Design & Engineering			
4.2	Land			
4.3	Site preparation			
	<b>Total Preliminary works &amp; land</b>	<b>0</b>	<b>0.00</b>	<b>0</b>
5	Civil Works			
5.1	Control Room including HVAC			
5.2	Township & Colony			
5.3	Roads and Drainage			
5.4	Foundation for structures			
5.5	Misc. civil works			
	<b>Total Civil Works</b>	<b>0</b>	<b>0.00</b>	<b>0</b>

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<b>6</b>	Substation Equipments			
6.1	Transformers	22.21		
6.2	Switchgear (CT,PT, Circuit Breaker, Isolator etc)			
6.3	Compensating Equipment (Reactor, SVCs etc)			
6.4	Control , Relay & Protection Panel			
6.5	PLCC			
6.6	HVDC package			
6.7	Bus Bars/ conductors/Insulators			
6.8	Outdoor lighting			
6.9	Emergency D.G. Set			
6.10	Grounding System			
6.11	Structure for switchyard			
	<b>Total Substation Equipments</b>	<b>22.21</b>	<b>0.00</b>	<b>0</b>
7	Spares			
<b>8</b>	Taxes and Duties			
8.1	Custom Duty			
8.2	Other Taxes & Duties			
	<b>Total Taxes &amp; Duties</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total (Sub-station)</b>		<b>22.21</b>	<b>0.00</b>	<b>0.00</b>
<b>9</b>	Construction and pre-commissioning			
9.1	Site supervision & site admn.etc.			
9.2	Tools and Plants			
9.3	construction Insurance			
	<b>Total Construction and pre-Commissioning expenses</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>10</b>	Overheads			
10.1	Establishment			
10.2	Audit & Accounts			
10.3	Contingency	0.67		
	<b>Total Overheads</b>	<b>0.67</b>	<b>0.00</b>	<b>0</b>
<b>11</b>	<b>Total Cost</b>	<b>22.88</b>	<b>0.00</b>	<b>0.00</b>
<b>12</b>	IDC, FC, FERV & Hedging Cost			
12.1	Interest During Construction (IDC)	2.65		
12.2	Financing Charges (FC)			
12.3	Foreign Exchange Rate Variation (FERV)			
12.4	Hedging Cost			
12.5	Incidental Expenditure During Construction (IEDC)	2.67		
	<b>Total of IDC, FC, FERV &amp; Hedging Cost</b>	<b>5.31</b>	<b>0.00</b>	<b>0</b>
<b>13</b>	<b>Capital Cost incl IDC, FC, FERV &amp; Hedging Cost</b>	<b>28.19</b>	<b>0.00</b>	<b>0.00</b>

Note:

*A. J. J. J.*

**Form No:F5**

**(j) Break-up of Construction/ Supply/ Service packages Phase IV (Part 1 of 2)**

SN	Particulars	1	2	3	4
1	Name/ No. of Construction / Supply / Service Package (and Schemes/plan)				
2	Scope of works <sup>1</sup> (in line with head of cost break-ups as applicable)				
3	Whether awarded through ICB/DCB/ Departmentally/ Deposit Work				
4	No. of bids received				
5	Date of Award				
6	Actual Date of Start of work				
	Original Scheduled date of Start of work				
7	Actual date of Completion of Work				
	Original Scheduled date of Completion of work				
8	Value of Award <sup>2</sup> in (Rs. Lakhs)				
9	Firm or With Escalation in prices				
10	Actual capital expenditure till the completion or up to COD whichever is earlier for work capitalized during the period(Rs.Cr.) - Without Taxes & Duties and IEDC				
11	Actual capital expenditure till the end of the period(Rs.Cr.) for Capital work under progress - Taxes & Duties and IEDC (included in above) - IDC, FC, FERV & Hedging Cost(included in above)				
12	Actual capital expenditure already capitalized in earlier years(Rs.Cr.) - Taxes & Duties and IEDC (included in above) - IDC, FC, FERV & Hedging Cost(included in above)				
13	<b>Sub -total (10+11+12)</b>	0.00	0.00	0.00	0.00

Note:

- As the scope of work contains multiple elements, it is difficult to quantify each and every element separately within a particular package
- The petitioner has already submitted element wise detail as per the BEREC directive

Note: 1. Above statement to be provided separately for each work commissioned during the period, work under progress and part capitalization done in earlier year

2. Statement as Per Form F5-6 to be duly reconciled with corresponding Cost Break Up to be provided as per Form F5-5, for each transmission line commissioned during the True-up, Review and ARR period

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**Signature of Petitioner**



**(j) Break-up of Construction/ Supply/ Service packages Phase IV (Part 2 of 2)**

Form No:F5

SL.	Particulars	1	2	3	4
1	Name/No. of Construction / Supply / Service Package (and Schemes/plan)				
2	Scope of works <sup>1</sup> (in line with head of cost break-ups as applicable)				
3	Whether awarded through ICB/DCB/ Departmentally/ Deposit Work				
4	No. of bids received				
5	Date of Award				
6	Actual Date of Start of work				
	Original Scheduled date of Start of work				
7	Actual date of Completion of Work				
	Original Scheduled date of Completion of work				
8	Value of Award <sup>2</sup> in (Rs. Lakhs)				
9	Firm or With Escalation in prices				
10	Actual capital expenditure till the completion or up to COD whichever is earlier for work capitalized during the period(Rs.Cr.) - Without Taxes & Duties and IEDC				
11	Actual capital expenditure till the end of the period(Rs.Cr.) for Capital work under progress - Taxes & Duties and IEDC (included in above) - IDC, FC, FERV & Hedging Cost(included in above)				
12	Actual capital expenditure already capitalized in earlier years(Rs.Cr.) - Taxes & Duties and IEDC (included in above) - IDC, FC, FERV & Hedging Cost(included in above)				
13	<b>Sub -total (10+11+12)</b>	0.00	0.00	0.00	0.00

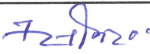
Note:

- a) As the scope of work contains multiple elements, it is difficult to quantify each and every element separately within a particular package  
b) The petitioner has already submitted element wise detail as per the BEREC directive

Note:



Signature of Petitioner

(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	Regulations under which covered	Admitted Cost <sup>1</sup>
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
Not Applicable as Projects are under execution						
<p>Note:</p> <p>1 Fill the form in chronological order year wise along with detailed justification clearly bring out the necessity and the benefits accruing to the beneficiaries.</p> <p>2 In case initial spares are purchased alongwith any equipment, then the cost of such spares should be indicated separately.</p>						
 <b>Signature of Petitioner</b>						

**(I) Statement of Capital Works in Progress (Total)****Form No: F5**

Rs. Crores

		Particulars	Approved	Claimed	Current Year	Ensuing years (Projection)		
			FY 2020-21		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
A	a	Opening Capital Expenditure(CWIP)	1,561.73	858.97	1,678.13	305.88	-	-
	b	Amount of IDC, FC, FERV & Hedging cost included in a above	66.29	72.36	159.08	45.04	-	-
B	a	Addition/Adjustment in Capital Expenditure(CWIP) during the period	156.09	1,116.17	134.28	57.64	-	-
	b	Amount of IDC, FC, FERV & Hedging cost included in a above	100.72	107.80	87.41	11.11	-	-
C	a	Capitalization/Transfer to Gross Fixed asset during the period	1,717.82	297.01	1,506.53	363.52	-	-
	b	Amount of IDC, FC, FERV & Hedging cost included in a above	167.01	21.09	201.46	56.15	-	-
D	a	Closing Capital Expenditure(CWIP)	-	1,678.13	305.88	-	-	-
	b	Amount of IDC, FC, FERV & Hedging cost included in a above	-	159.08	45.04	-	-	-

**Phase IV (Part 1 of 2) (Rs. Crores)**

		Particulars	Approved	Claimed	Current Year	Ensuing		
			FY 2020-21		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
A	a	Opening Capital Expenditure(CWIP)		123.48	208.86	56.69	-	-
	b	Amount of IDC, FC, FERV & Hedging cost included in a above		47.56	104.06	28.37	-	-
B	a	Addition/Adjustment in Capital Expenditure(CWIP) during the period		229.96	5.99	0.34	-	-
	b	Amount of IDC, FC, FERV & Hedging cost included in a above*		66.35	-	-	-	-
C	a	Capitalization/Transfer to Gross Fixed asset during the period		144.58	158.16	57.03	-	-
	b	Amount of IDC, FC, FERV & Hedging cost included in a above		9.85	75.69	28.37	-	-
D	a	Closing Capital Expenditure(CWIP)		208.86	56.69	-	-	-
	b	Amount of IDC, FC, FERV & Hedging cost included in a above		104.06	28.37	-	-	-

Includes adjustment on account of CWIP-Ind AS

**Phase IV (Part 2 of 2 and supplementary) (Rs. Crores)**

		Particulars	Approved	Claimed	Current Year	Ensuing		
			FY 2020-21		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
A	a	Opening Capital Expenditure(CWIP)		735.49	1,469.27	249.19	-	-
	b	Amount of IDC, FC, FERV & Hedging cost included in a above		24.81	55.02	16.67	-	-
B	a	Addition/Adjustment in Capital Expenditure(CWIP) during the period		886.21	128.29	57.30	-	-
	b	Amount of IDC, FC, FERV & Hedging cost included in a above		41.45	87.41	11.11	-	-
C	a	Capitalization/Transfer to Gross Fixed asset during the period		152.43	1,348.37	306.49	-	-
	b	Amount of IDC, FC, FERV & Hedging cost included in a above		11.23	125.76	27.79	-	-
D	a	Closing Capital Expenditure(CWIP)		1,469.27	249.19	-	-	-
	b	Amount of IDC, FC, FERV & Hedging cost included in a above		55.02	16.67	-	-	-

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(m) Capital Work-In-Progress (CWIP) Form No: F5

S.N	Particulars	Previous year FY 2020-21			Current year (RE) FY 2021-22			Ensuing year (s) (Projections) FY 2022-23			Ensuing year (s) (Projections) FY 2023-24				
		Loan	Grant	Equity	Loan	Grant	Equity	Loan	Grant	Equity	Loan	Grant	Equity		
														Rs. Crore	Rs. Crore
1	Opening CWIP	687.18		171.79	1,342.50		335.63	244.70		61.18			-		
2	New Investment	892.94		223.23	107.42		26.86	46.11		11.53			-		
3	Less Capitalization(a+b)	237.61		59.40	1,205.22		301.31	290.82		72.70			-		
	a) CWIP Capitalization	237.61		59.40	1,205.22		301.31	290.82		72.70			-		
	b) New Investment capitalization												-		
4	Closing CWIP (1+2-3)	1,342.50	-	335.63	244.70	-	61.18		-		-	-	-	-	-

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Normative Parameters Considered for Tariff Computations				Form No: F6				
S No	Particulars		As per Order dated 20.03.2020	Claimed	Current Year	Ensuing years (Projection)		
			FY 2020-21		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1	Target Availability	%	98%	99.76%	98%	98%	98%	98%
	AC System	%	98%	99.76%	98%	98%	98%	98%
	HVDC bi-pole links	%						
	HVDC back-to-back Stations	%						
2	Normative O&M per ckt.km, if any	Rs. Crores	Not Applicable					
3	Normative O&M per bay, if any	Rs. Crores	Not Applicable					
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	0.43%	NA	0.73%	0.73%	0.73%	0.73%
7	Maintenance Spares for Working Capital, if any	% of O&M	15% of O&M expenses for one month	15% of O&M expenses for one month	15% of O&M expenses for one month	15% of O&M expenses for one month	15% of O&M expenses for one month	15% of O&M expenses for one month
8	Receivables for Working Capital	in Months	2	2	2	2	2	2
9	Effective Rate of Return on Equity	%	18.78%	20.71%	20.71%	20.71%	20.71%	20.71%
10	Base Rate of Reserve Bank as on 1 Apr **	%		4.65%	4.25%			
11	State Bank one-year 'MCLR' as per BERC Regulations 2018 and BERC Regulations 2021	%	8.0%	6.7%	7.0%	7.0%	7.0%	7.0%
12	Bank Rate as on __ Oct 2020	%						

Source:

\* <https://www.sbi.co.in/portal/web/interest-rates/mclr>

\*\* <https://www.rbi.org.in/scripts/WSSView.aspx?Id=23347>

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**(a) Reconciliation of Gross Fixed Assets(GFA) admitted with Gross Fixed Assets(GFA) of Financial Account (Total)  
Form No. F7**

	Particulars	As per Order dated 20.03.2020	Actual	Current Year	Ensuing years (Projection)		
		FY 2020-21			FY 2021-22	FY 2022-23	FY 2023-24
<b>A</b>	<b>Gross Fixed Assets ( as at begining of the year):</b>						
	1.GFA as per (Financial/Statutory Account)	1,781.99	1,781.99	2,039.42	3,545.94	3,909.46	3,909.46
	2.Expenditure allowed but not capitalized in Financial/Statutory Account	-	-	-	-	-	-
	3.Expenditure Capitalized in Financial/Statutory Account but not allowed.	-309.90	41.77	-	-	-	-
	4. Admitted GFA(1+2-3)	2,091.89	1,740.22	2,039.42	3,545.94	3,909.46	3,909.46
<b>B</b>	<b>Addition/ adjustment to Gross Fixed Assets (During the year):</b>						
	5.Expenditure capitalized in Financial/Statutory Account	297.03	297.03	1,506.53	363.52	-	-
	6.Expenditure allowed but not capitalized in Financial/Statutory Account	1,420.79	2.19	-	-	-	-
	7.Expenditure Capitalized in Financial/Statutory Account but not allowed.	-	-	-	-	-	-
<b>C</b>	<b>Gross Fixed Assets (as at end of the year) Admitted by the commisson( 4+5+6-7)</b>	<b>3,809.71</b>	<b>2,039.45</b>	<b>3,545.94</b>	<b>3,909.46</b>	<b>3,909.46</b>	<b>3,909.46</b>

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S.N	Year	Particulars (Le Assets Group)	GFA at the beginning of the year						Addition to GFA during the year						Adjustment to GFA on account of assets sold/discardd etc 2018-19						GFA at the end of the year					
			By grants		Loan	Equity	Total	Consumer Contribution	By grants		Loan	Equity	Total	Consumer Contribution	By grants		Loan	Equity	Total	Consumer Contribution	By grants		Loan	Equity	Total	
			3	4	5	6		8	9	10	11		12	13	14	15		16	17	18	19		20	21	22	
1		Freehold Land				6.57																				
2		Leasehold Land (perpetual)		5.26	1.31	6.57																5.26	1.31	6.57		
3		Building & civil work		41.22	10.31	51.53																41.22	10.31	51.53		
4		Transmissions		82.46	20.62	103.08																103.45	25.86	129.31		
5		Sub-stations		695.33	173.83	869.16																739.98	184.99	924.97		
6	2020-21	Furniture		596.21	149.05	745.27																766.46	191.62	958.08		
7		Electrical installation		1.23	0.31	1.53																1.53	0.38	1.91		
8		Office equipment		0.08	0.02	0.10																0.12	0.03	0.15		
9		Electronic data processing machine		0.41	0.10	0.52																0.42	0.11	0.53		
10		Servers & network component		0.61	0.15	0.76																0.61	0.15	0.76		
11		Servicing equipment		0.11	0.03	0.13																0.28	0.07	0.35		
12		<b>Total</b>		<b>2.67</b>	<b>0.67</b>	<b>3.34</b>																<b>3.90</b>	<b>0.98</b>	<b>4.88</b>		
1		Freehold Land				6.57																				
2		Leasehold Land (perpetual)		1425.59	356.40	1781.99																1463.22	415.80	1879.02		
3		Building & civil work		5.26	1.31	6.57																5.26	1.31	6.57		
4		Transmissions		41.22	10.31	51.53																41.22	10.31	51.53		
5		Sub-stations		103.45	25.86	129.31																103.45	25.86	129.31		
6		Furniture		739.98	184.99	924.97																739.98	184.99	924.97		
7		Electrical installation		766.46	191.62	958.08																766.46	191.62	958.08		
8	2021-22	Furniture		1.53	0.38	1.91																1.53	0.38	1.91		
9		Office equipment		0.12	0.03	0.15																0.12	0.03	0.15		
10		Electronic data processing machine		0.42	0.11	0.53																0.42	0.11	0.53		
11		Servers & network component		0.61	0.15	0.76																0.61	0.15	0.76		
12		Servicing equipment		0.28	0.07	0.35																0.28	0.07	0.35		
		<b>Total</b>		<b>3.90</b>	<b>0.98</b>	<b>4.88</b>																<b>3.90</b>	<b>0.98</b>	<b>4.88</b>		
		<b>Total</b>		<b>1,663.22</b>	<b>415.80</b>	<b>2,079.02</b>																<b>2,868.44</b>	<b>717.11</b>	<b>3,585.55</b>		

0 2021-22





(c) Bifurcation of Fixed Assets into IDC and IEDC etc.

S/N	Particulars	As per	Current Year	Ensuing years (Projection)				
		Order dated 20.05.2020		FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1	Opening Gross Fixed Assets							
a	Additions in Gross Fixed Assets	1,740.22	2,039.42	3,545.94	3,909.46	3,909.46	3,909.46	
b	Amount of IDC, FC, FERV & Hedging cost included in B(a) above	299.22	1,506.53	363.52	-	-	-	
c	Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a)	21.09	201.46	56.15	-	-	-	
d	Add/(Less)/Adjustment for assets sold/discarded etc	11.47	135.26	31.01	-	-	-	
2	Closing Gross Fixed Assets	2,039.42	3,545.94	3,909.46	3,909.46	3,909.46	3,909.46	

(d) Bifurcation of Fixed Assets into Depreciable and Non-Depreciable assets etc.

S/N	Particulars	As per	Current Year	Ensuing years (Projection)			
		Order dated FY 2020-21		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1	Gross fixed assets of the beginning of the year	1,740.22	2,039.42	3,545.94	3,909.46	3,909.46	3,909.46
	Less: Value of non depreciable assets (Ic land)	16.77	18.93	18.93	18.93	18.93	18.93
	Net Assets	1,723.45	2,020.48	3,527.01	3,890.53	3,890.53	3,890.53
2	Additions during the year	299.19	1,506.53	363.52	-	-	-
	Less: Value of non depreciable assets (Ic land)	2.16	-	-	-	-	-
	Net Assets	297.03	1,506.53	363.52	-	-	-
3(i)	IDC, FC, FERV & Hedging cost	21.09	201.46	56.15	-	-	-
		11.47	135.26	31.01	-	-	-
3(ii)	Amount of IEDC	-	-	-	-	-	-
4	Adjustment for assets sold/discarded etc	-	-	-	-	-	-
5	Closing GFA	2,020.48	3,527.01	3,890.53	3,890.53	3,890.53	3,890.53
6	Average GFA (Excluding Value of non depreciable assets)	1,871.97	2,773.75	3,708.77	3,890.53	3,890.53	3,890.53
7	Weighted Average Rate of Depreciation on Opening depreciable assets	4.97%	4.97%	4.97%	4.97%	4.97%	4.97%
8	Weighted Average Rate of Depreciation net Depreciable assets during the year	3.29%	3.29%	3.29%	3.29%	3.29%	3.29%
9	Gross Depreciation	95.40	150.01	187.19	193.28	193.28	193.28
10	Opening grants*	-	-	-	-	-	-
11	Grants* during the year	-	-	-	-	-	-
12	Adjustment for assets sold/discarded etc	-	-	-	-	-	-
13	Total Grants*	-	-	-	-	-	-
14	Average Grants*	-	-	-	-	-	-
15	Weighted Average rate of Depreciation	-	-	-	-	-	-
16	Depreciation For GFA on Grants	-	-	-	-	-	-
17	Net Depreciation of GFA(8-15)	-	95.50	85.74	136.39	186.84	186.84

*Advance*



**Form No: F10**

**Details of Equity**  
(b.) Details of Indian Equity

Rs. Crores

S.No.	Particulars	FY 2020-21		FY 2021-22		FY 2022-23		FY 2023-24		FY 2024-25	
		Date	Actual Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	
1	Infusion		220.83	301.31	72.70	0.00	0.00				
Total			220.83	301.31	72.70	0.00	0.00				

**(c) Details of Total Return on equity**

Rs. Crores

S.No.	Particulars	Approved		Claimed	Current Year	Ensuing years (Projection)		
		FY 2020-21	FY 2021-22			FY 2022-23	FY 2023-24	FY 2024-25
1	Amount of total asset created during the year		299.2	299.2	1,506.5	363.5	-	-
2	Less asset created from grant		-	-	-	-	-	-
3	Less asset created from users contribution		-	-	-	-	-	-
4	Net asset Created		299.2	299.2	1,506.5	363.5	-	-
5	Amount of equity addition		59.84	59.84	301.31	72.70	-	-
6	Equity (Opening Balance)		347.21	347.21	407.05	708.35	781.05	781.05
7	Equity (Closing Balance)		407.05	407.05	708.35	781.05	781.05	781.05
8	Average Equity		377.13	377.13	557.70	744.70	781.05	781.05
9	Base rate of Return on Equity%		15.5%	15.5%	15.5%	15.5%	15.5%	15.5%
	Tax Rate ( Enclose detailed calculation alongwith supporting documents)%		25.17%	25.17%	25.17%	25.17%	25.17%	25.17%
10	Effective Rate of Return on Equity		20.71%	20.71%	20.71%	20.71%	20.71%	20.71%
11	Return on Equity (Rs. In crore)		78.11	78.11	115.52	154.25	161.78	161.78
12	Equity entitled to incentive		-	-	-	-	-	-
13	Incentive		-	-	-	-	-	-
14	Additional Return		-	-	-	-	-	-
14	Total Return on Equity		78.11	78.11	115.52	154.25	161.78	161.78

*For*

(d) Details of Total Equity Infused

S.No.	Particulars	Actual	Current Year	Ensuing years (Projection)		
				FY 2020-21	FY 2022-23	FY 2023-24
	Shareholders' Funds					
1	Equity Share Capital	79.00	301.31	72.70	0.00	0.00
2	Other Equity	141.83				
2	Share Premium utilized for Capital Expenditure					
3	Free Reserves utilized for Capital Expenditure					
	Total Equity	220.83	301.31	72.70	0.00	0.00

AZARCO

## (e) Value of Depreciation Charges (Rs. Crores)

Form No 7

S.N.	Particulars (i.e. Assets Group)	Accumulated depreciation at the beginning of FY 2019-20					Depreciation charges during the FY 2019-20					Accumulated Depreciation on account of assets sold/discarded etc					Accumulated depreciation at the end of FY 2019-20				
		Consumer Contribution	By grants	Loan	Equity	Total	Consumer Contribution	By grants	Loan	Equity	Total	Consumer Contribution	By grants	Loan	Equity	Total	Consumer Contribution	By grants	Loan	Equity	Total
1	2	3	4	5	6		8	9	10	11		12	13	14	15		16	17	18	19	
<b>1</b>	<b>Land</b>																				
	a) Freehold Land				-																-
	b) Leasehold Land (perpetual)				-																-
<b>2</b>	<b>Buildings</b>					7.55					3.87										11.41
<b>3</b>	<b>Plant and Machinery</b>																				
	a) Transmissions				83.49						46.97										130.46
	b) Sub-stations				85.08						43.92										129.00
<b>4</b>	<b>Furniture and Fixtures</b>																				
	a) Furniture				0.13						0.11										0.24
	b) Electrical installation				0.01						0.01										0.02
<b>5</b>	<b>Office Equipment</b>																				
	a) Office equipment				0.11						0.03										0.14
	b) Electronic data processing machine				0.29						0.21										0.48
	c) Servers & network component				0.07						0.05										0.12
	d) Servicing equipment				0.21						0.26										0.47
	<b>Total</b>				<b>176.94</b>						<b>95.43</b>										<b>272.34</b>

A. R. J.



(f) Statement of Assets Not in Use					Form No: F7
Rs. Crores					
Financial Year*					
Sl. No.	Date of Acquisition/Installation	Historical Cost/Cost of Acquisition	Date of withdrawal operations	Accumulated Depreciation on date of withdrawal	Written down value on date of withdrawal
The petitioner submits that there is no instance of any asset not in use					
*Note:- Information to be provided for Previous Year, Current Year & Ensuing Control Period					

*[Handwritten Signature]*

Signature of Petitioner



**User contributions and grants towards cost of capital assets**

**Form No. F8  
(Rs. Crores)**

	Particulars	Previous Year			Current Year		Ensuing Year/years	
		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
1	User contributions Towards Cost Of Capital Assets							
2	Grant Towards Cost Of Capital Assets							
A	Total (1+2)							
forming part of Depreciable GFA								
3	User contributions Towards Cost Of Capital Assets							
4	Grant Towards Cost Of Capital Assets							
B	Total (3+4)							
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)							
Amounts 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)							

The petitioner submits that the entire funding is being done through debt and equity, there is no user contribution or grant

\* Pertaining to Transmission Business Only, SLDC shall file separately



(a) Details of Loans for the year - Phase IV(Part 1 of 2)										Form No: F9	
S.N	Year	Particulars	Purpose of loan	Opening balance	Weighted Average Rate of Interest	Addition during the year	Repayment during the year(As per books of accounts)	Closing balance	Amount of penal interest paid*		
		1	2		4	5	6	7	8		
2	2019-20	Term Loan REC - Phase IV(Part 1 of 2)	Towards Construction								
3	2020-21	Term Loan REC - Phase IV(Part 1 of 2)	Towards Construction	1098.39	10.72%	99.80	96.22	1,101.97	-		
4	2021-22	Term Loan REC - Phase IV(Part 1 of 2)	Towards Construction								
5	2022-23	Term Loan REC - Phase IV(Part 1 of 2)	Towards Construction								
6											

(a) Details of Loans for the year - Phase IV(Part 1 of 2)										Form No: F9	
S.N	Year	Particulars	Purpose of loan	Opening balance	Rate of Interest	Addition during the year	Repayment during the year(As per books of accounts)	Closing balance	Amount of penal interest paid*		
		1	2		4	5	6	7	8		
2	2019-20	Term Loan PFC - Phase IV(Part 2 of 2)	Towards Construction								
3	2020-21	Term Loan PFC - Phase IV(Part 2 of 2)	Towards Construction	591.52	9.52%	233.22	-	824.74	-		
4	2021-22	Term Loan PFC - Phase IV(Part 2 of 2)	Towards Construction								
5	2022-23	Term Loan PFC - Phase IV(Part 2 of 2)	Towards Construction								

Note: The interest rates for ensuing years i.e. 2018-19 onwards are considered at the same rate as per DPR considerations

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**(b) Further Details in case of Foreign Loans**

S.N	Particulars			Date	Amount (Foreign Currency)	Exchange Rate	Amount (in Rs. Crore)
	Name of Currency						
	Loan drawal						
	Scheduled Principal Repayment						
	Actual Principal Repayment						
	Scheduled Interest payment						
	Actual Interest payment						
	Period of hedge						
	Cost of hedge						

Not Applicable

**(c) Information regarding Restructuring of Outstanding Loan 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 Available

*7/2/2020*



**(d) Domestic loans, bonds and financial leasing**

Form No: F9

FY 2020-21

Rs. Crores

Sl. No.	Particulars	Opening Balance at the beginning of the				Amount received during the	Principal		Interest			Closing Balance	
		Principal not overdue	Principal overdue	Interest overdue	Total		Due	Paid	Due	Paid	%	Principal	Interest Accrued but not due
A	LONG-TERM												
2	REC	1,098.39	-	-	1,098.39	99.80	-	-	113.02	113.02		1,198.19	
3	PFC	591.52	-	-	591.52	233.22	-	-	49.48	49.48		824.74	
	Sub Total (A)	1,689.91	-	-	1,689.91	333.02	-	-	162.50	162.50		2,022.93	
B	SHORT-TERM												
	Sub Total (B)	-	-	-	-	-	-	-	-	-		-	
	Total (A+B)	1,689.91	-	-	1,689.91	333.02	-	-	162.50	162.50		2,022.93	

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

FY 2021-22

Rs. Crores

Sl. No.	Particulars	Opening Balance at the beginning of the				Amount received during the	Principal		Interest			Closing Balance	
		Principal not overdue	Principal overdue	Interest overdue	Total		Due	Paid	Due	Paid	%	Principal	Interest Accrued but not due
A	LONG-TERM												
2	REC	1,198.19											
3	PFC	824.74											
	Sub Total (A)	2,022.93											
B	SHORT-TERM	-											
	Sub Total (B)	-											
	Total (A+B)	2,022.93											

FY 2022-23

Rs. Crores

Sl. No.	Particulars	Opening Balance at the beginning of the				Amount received during the	Principal		Interest			Closing Balance	
		Principal not overdue	Principal overdue	Interest overdue	Total		Due	Paid	Due	Paid	%	Principal	Interest Accrued but not due
A	LONG-TERM												
2	REC												
3	PFC												
	Sub Total (A)												
B	SHORT-TERM												
	Sub Total (B)												
	Total (A+B)												

7/2/20

**(e) Statement of Reconciliation of Net Actual Loan ( opening ) with Net Normative Loan ( Opening ) (Rs. In Crore) Form No: F9**

Particulars	Previous year	Current Year	Ensuing years (Projection)		
			FY 2022-23	FY 2023-24	
Net Actual Loan as per Books of Accounts as on : 31.03.2021	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
Domestic	1926.71				
Foreign					
<b>Add : Repayment</b>	<b>96.22</b>				
<b>Gross Actual Loan</b>	<b>2022.93</b>				
Add:Equity considered as normative loan					
<b>Gross Normative Loan</b>	<b>1388.85</b>	<b>1628.21</b>	<b>2833.43</b>		
Less : Depreciation Recovered as per ARR till Date	171.91	267.32	417.32		
<b>Net Normative Loan</b>	<b>1216.94</b>	<b>1360.89</b>	<b>2416.11</b>		

72/2020

**Interest and Finance Charges(Rs. Crores)** **Form No: F11**

S.N.	Particulars	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1	2	3	4	5	6	7
1	Net Opening Loan	1,216.94	1,360.89	2,416.11	2,519.73	2,326.45
2	Additions	239.35	1,205.22	290.82	-	-
3	Repayment	95.40	150.01	187.19	193.28	193.28
4	Net Closing Loan	1,360.89	2,416.11	2,519.73	2,326.45	2,133.17
5	Average Loan	1,288.92	1,888.50	2,467.92	2,423.09	2,229.81
6	Weighted average rate of Interest	10.23%	10.23%	10.23%	10.23%	10.23%
7	<b>Interest on Loan</b>	131.88	193.23	252.52	247.93	228.16
8	Other Finance charges	-	-	-	-	-
9	Total Interest and finance charges	131.88	193.23	252.52	247.93	228.16

\* Year-wise details should be submitted with documentary evidence. Further Rate of interest of various loans to be indicated in a separate sheet. Further Details in case of Foreign Loans

**Interest (IDC) Capitalized**

S.N.	Name of scheme /Project	Source of loan	Interest capitalized				
			As on beginning of previous year FY 2020-21*	Previous year FY 2020-21	During Current year FY 2021-22	During Ensuing year FY 2022-23	During Ensuing year FY 2023-24
1	2	3	4	5	6		
1	Phase IV(Part 1 of 2)	REC	106.66	9.85	75.69	28.37	-
2	Phase IV(Part 2 of 2)	PFC	-	11.23	125.76	19.44	-
3	Phase IV (Supplementary)	PFC	-	-	-	8.35	-
4	ABT Metering	REC/ PFC	-	-	-	-	-

\*As per BERC Order dated 12.03.2021

*Arifano*



Lease details (Rs. Crores)								Form No: F12	
S.N	Name of Lesser	Assets		Leased on	Lease Rentals	Primary Period		Secondary period ending by	
		Descriptions	Gross Amount			ended / ending by	7		
1	2	3	4	5	6	7	8		

The petitioner submits that there are no leased assets

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

*7/2/2020*

**Operations & Maintenance Cost****Form No: F13**

Rs. Crores

Sl.No	Particulars	As per Order dated 20.03.2020	Claimed	Current Year	Ensuing years (Projection)		
		FY 2020-21		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1	Repair & Maintenance Expenses	12.43	20.46	14.73	25.71	28.36	28.36
2	Employee Expenses	9.41	11.29	11.97	12.69	13.45	14.25
2	Administrative and General Expenses	3.93	7.68	7.87	8.06	8.25	8.45
	Less :						
4	Expenses Capitalized	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Net O&amp;M Expenses</b>	<b>25.77</b>	<b>39.43</b>	<b>34.57</b>	<b>46.46</b>	<b>50.06</b>	<b>51.07</b>

**Signature of Petitioner**

## Employee Expenses

Form No:F14

Rs. Crores

S.N	Particulars	As per Order dated 20.03.2020 FY 2020-21	Claimed	Current Year FY 2021-22	Ensuing years (Projection)		
					FY 2022-23	FY 2023-24	FY 2024-25
1	Salaries & Allowances						
(i)	Existing Employees						
(ii)	New Employees	11.29	11.29	11.97	12.69	13.45	14.25
	Total						
2	Contribution to Terminal Benefits (Accrual Basis)	0	0	0	0	0	0
3	Total of Salary & Allowances and Terminal Benefits						
4	Amount Capitalised	0.00	0.00	0.00	0.00		
5	Net Amount (To PL)	11.29	11.29	11.97	12.69	13.45	14.25
6	Grand Total	9.41	11.29	11.97	12.69	13.45	14.25

## Note:

- (i) Terminal benefits paid for the period before the date of reorganisation i.e. 01.11.2012, shall not be considered.  
(ii) In respect of continuing employees as on the date of reorganisation and newly appointed employees after re-organisation date the terminal benefits shall be allowed.  
(iii) In respect of item 6, a brief description to be appended.

\*\* As per methodology adopted by the Hon'ble Commission vide Order dated 20.03.2020

## (b) Consumer Price Inflation

S.N	Particulars	Current Year				Ensuing years	
		PY 4 FY 2017-18	PY 3 FY 2018-19	PY 2 FY 2019-20	PY 1 FY 2020-21	Current Year FY 2021-22	Ensuing years FY 2022-23
0	Annual Average CPI Index	284.42	299.92	322.50	338.69	349.34	
	CPI Inflation		5.45%	7.53%	5.02%	3.14%	
	Average				6.0%	5.2%	
	Annual Average WPI Index	114.88	119.79	121.80	123.38	133.80	
	WPI Inflation		4.3%	1.7%	1.3%	8.4%	
	Average				2.42%		

Note



<b>(c) Employee Strength</b>							
S.N	Particulars	Prev. Year		Current Year		Ensuing years (Projection)	
		FY 2020-21	FY 2021-22	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1	2	3	4	5	6	7	
1	Number of employees at the beginning of the FY	88	88	88	88	88	88
a)	Technical	78	78	78	78	78	78
b)	Non Technical (Administration)	7	7	7	7	7	7
c)	Non Technical (Revenue, Finance and Accounts)	3	3	3	3	3	3
2	No. of employees added during the FY	-	-	-	-	-	-
a)	Technical	-	-	-	-	-	-
b)	Non Technical (Administration)	-	-	-	-	-	-
c)	Non Technical (Revenue, Finance and Accounts)	-	-	-	-	-	-
3	Number of employees retiring/ leaving during the FY	-	-	-	-	-	-
a)	Technical	-	-	-	-	-	-
b)	Non Technical (Administration)	-	-	-	-	-	-
c)	Non Technical (Revenue, Finance and Accounts)	-	-	-	-	-	-
4	Number of employees at the end of FY (1+2-3)	88	88	88	88	88	88
a)	Technical	78	78	78	78	78	78
b)	Non Technical (Administration)	7	7	7	7	7	7
c)	Non Technical (Revenue, Finance and Accounts)	3	3	3	3	3	3

<b>(d) Employees Productivity Parameters</b>							
S.N	Particulars	Prev. Year		Current Year		Ensuing years (Projection)	
		FY 2020-21	FY 2021-22	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1	2	5	6	7	8		
1	Number of employees	88	88	88	88	88	88
2	Number of Sub-stations	27	42	50	50	50	50
3	Total capacity of Sub-stations (MVA)	2,840	6,000	6,000	6,000	6,950	6,950
4	Transmission line length in ckt/km	1,644					
5	Energy Received at STU-CTU interface (MUs)	4,871	5,845	7,014	8,417	10,100	
6	Employees per MU of energy handled (1/5)	0.0181	0.0151	0.0125	0.0105	0.0087	
7	Employees cost (Rs Cr)	11.29	11.97	12.69	13.45	14.25	
8	Employees cost in Rs / kWh (7/5)	0.0232	0.0205	0.0181	0.0160	0.0141	

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**R&M Expenses****Form No: F15**

Rs. Crores

S.No.	Particulars	As per Order dated 20.03.2020	Claimed	Current Year	Ensuing years (Projection)		
		FY 2020-21		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1	Average Gross Fixed Assets						
1(a)	Less Land Cost						
1(b)	Net Fixed Assets	2,911.54		2,020.5	3,527.0	3,890.5	3,890.5
2	Percentage point as per the norm (%)	0.427%		0.729%	0.729%	0.729%	0.729%
3	Repair & Maintenance Expenses	12.43	20.46	14.73	25.71	28.36	28.36

\*Normative/Approved in MYT/RE: If norms are specified by the Commission for concern year, Normative figures shall be given. In case norms are not specified latest approved figures in MYT or Revised Estimate(RE) as the case may be shall be given.

**Further details of component wise R&M Expenses**

S.N.	Particulars	As per Order dated 20.03.2020	Claimed	Current Year	Ensuing years (Projection)		
		FY 2020-21		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1	Plant & Machinery		20.43				
2	Others		0.03				
3	Total expenses	12.43	20.46	14.73	25.71	28.36	28.36
4	Less capitalized	-	-	-	-	-	-
5	Net Expenses	12.43	20.46	14.73	25.71	28.36	28.36
6	<b>Total expenses charged to revenue</b>	<b>12.43</b>	<b>20.46</b>	<b>14.73</b>	<b>25.71</b>	<b>28.36</b>	<b>28.36</b>

\* Year-wise details of these charges may be provided with documentary evidence



## Administration and General Expenses

Form No: F16

Rs. Crores

Particulars	As per Order dated 20.03.2020	Claimed	Current Year	Ensuing years (Projection)		
	FY 2020-21			FY 2021-22	FY 2022-23	FY 2023-24
Advertisement Expenses		0.20	0.21	0.21	0.22	0.22
Audit Fees		0.03	0.03	0.03	0.03	0.03
Bank Charges		0.00	0.00	0.00	0.00	0.01
Books & Periodicals Expenses		0.00	0.00	0.00	0.00	0.00
Communication Expenses		0.10	0.10	0.11	0.11	0.11
CSR Exp.-Sports,Art & Culture		0.52	0.53	0.54	0.55	0.57
CSR Capital Expenditure		0.21	0.22	0.22	0.23	0.23
Electricity Expenses		1.26	1.29	1.32	1.35	1.39
Entertainment Expenses		0.03	0.03	0.03	0.03	0.03
Filing Fee		0.08	0.08	0.08	0.09	0.09
Insurance		0.97	0.99	1.02	1.04	1.07
Legal Expenses		0.02	0.02	0.02	0.02	0.02
Licence Fee		1.00	1.02	1.05	1.07	1.10
Loss on Sale of Fixed Assets		0.00	0.00	0.00	0.00	0.00
Meeting Expenses		0.02	0.02	0.02	0.02	0.03
Office Expenses		0.98	1.01	1.03	1.06	1.08
Printing & Stationery Expenses		0.06	0.06	0.07	0.07	0.07
Prof./technical Fee		0.06	0.06	0.07	0.07	0.07
Recruitment Expenses		0.00	0.00	0.00	0.00	0.00
Rent		0.53	0.54	0.55	0.57	0.58
Taxes, Brokerage & Commission		0.00	0.00	0.00	0.00	0.00
Telephone & Mobile Expenses		0.07	0.07	0.08	0.08	0.08
Travelling Expenses		0.33	0.34	0.34	0.35	0.36
Vehicle Expenses		1.19	1.21	1.24	1.27	1.30
<b>Total expenses</b>	<b>3.93</b>	<b>7.68</b>	<b>7.87</b>	<b>8.06</b>	<b>8.25</b>	<b>8.45</b>
Less Adjustments	-	-	-	-	-	-
Less Capitalised	-	-	-	-	-	-
Net expenses	3.93	7.68	7.87	8.06	8.25	8.45
<b>Total expenses charged to revenue</b>	<b>3.93</b>	<b>7.68</b>	<b>7.87</b>	<b>8.06</b>	<b>8.25</b>	<b>8.45</b>

\* Year-wise details of these charges may be provided with documentary evidence.

Base A&G Expenses			7.68	7.87	8.06	8.25
Inflation Index (WPI and CPI weighted average (last 3 yrs))			2.42%	2.42%	2.42%	2.42%
Add: Inflationary Increase			0.19	0.19	0.19	0.20
Add: Provisions (if any)			-	-	-	-
<b>A&amp;G Expenses</b>	<b>3.93</b>	<b>7.68</b>	<b>7.87</b>	<b>8.06</b>	<b>8.25</b>	<b>8.45</b>

7/20/2020



Short Term Open Access Consumers				Form No: F17		
Rs. Crores						
Particulars	As per Order dated 20.03.2020	Claimed	Current Year	Ensuing years (Projection)		
	FY 2020-21		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
Number of Short Term Open Access Customers	The section is not applicable					
Amount						
Retained by Licensee						
Payable to Beneficiaries						

  
 Signature of Petitioner

## Details of Non-tariff Income

Form No: F18

Rs. Crores

S.N	Particulars	As per Order dated 20.03.2020	Claimed	Current Year	Ensuing years (Projection)		
		FY 2020-21		FY 2021- 22	FY 2022-23	FY 2023-24	FY 2024-25
1	Surcharge on transmission charges	0.22	27.21	27.21	27.21	27.21	27.21
2	Interest from Bank		4.64	4.64	4.64	4.64	4.64
3	Interest from Others	0.81	0.84	0.84	0.84	0.84	0.84
4	Liquidated Damages Recovered		0.14	0.14	0.14	0.14	0.14
5	Sale of Scrap		0.14	0.14	0.14	0.14	0.14
6	Sale of Tender paper	13.95	-	-	-	-	-
7	<b>Total Non Tariff Income</b>		32.97	32.97	32.97	32.97	32.97
8	Principal amount on which DPS is charged		181.38	181.38	181.38	181.38	181.38
9	Rate of Interest for funding Principal of DPS		8.57%	8.57%	8.57%	8.57%	8.57%
10	<b>Less: Interest on funding of Principal DPS</b>		15.55	15.55	15.55	15.55	15.55
11	<b>Net Non Tariff Income</b>		17.42	17.42	17.42	17.42	17.42



Working Capital Interest		Form No: F19				Rs. Crores
		As per Order dated 20.03.2020	Claimed	Current Year	Ensuing years (Projection)	
Particulars	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	
1	85.59	56.34	107.68	109.94	106.77	
2	2.15	3.29	3.87	4.17	4.26	
3	0.32	0.49	0.58	0.63	0.64	
4	45.49	29.71	60.01	62.43	62.43	
<b>Total Working Capital</b>	42.56	30.41	52.12	52.30	49.23	
Interest Rate	9.50%	8.57%	8.50%	8.50%	8.50%	
<b>Interest on Working Capital</b>	4.04	2.61	4.43	4.45	4.18	

*Signature*



<b>Investments in Non business related activities</b>	<b>Form No: F20</b>
---	---------------------

Rs. Crores

Sl.No.	Description of investment	Balance at the beginning of the year	Further Investments during the year	Investments realised during the year	Balance at the end of the year	Remarks

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

No	Particulars		Previous year	Current year (RE)	Ensuing Years
<b>I</b>	Receipts from other Business	I	The petitioner submits that it is not engaged in any other non business activities		
	Less: Expenses from other business	E			
	Revenue of other Business	R=I-E			
<b>II</b>	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	X			
<b>III</b>	Due to Licensed Business (to be deducted from ARR)*	$X*(R*A/C)$			

**Note:- Information to be provided for Previous Year, Current Year & 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).

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**Details of Expenses Capitalised****Form No: F21**

Rs. Crores

Sl.No.	Particulars	As per Order dated 20.03.2020	Claimed	Current Year	Ensuing years (Projection)		
		FY 2020-21		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1	Interest & Finance charges Capitalised	167.01	21.09	201.46	56.15	-	-
2	Other expenses capitalised:						
	a. Employee expenses						
	b. R&M Expenses						
	c. A&G Expenses						
	d. Depreciation						
	e. Others, if any						
	f. IEDC	170.35	11.47	135.26	31.01	-	-
	<b>Total of 2</b>	<b>170.35</b>	<b>11.47</b>	<b>135.26</b>	<b>31.01</b>	<b>-</b>	<b>-</b>
	<b>Grand Total</b>	<b>337.36</b>	<b>32.56</b>	<b>336.72</b>	<b>87.16</b>	<b>-</b>	<b>-</b>

  
Signature of Petitioner

**Net Prior Period Expenses / Income**
**Form No: F22**
**Rs. Crores**

Sl.No.	Particulars	Previous Year	Current year (RE)
<b>A</b>	<b>Income relating to previous years:</b>		
1	Interest income for prior periods	The petitioner submits that there have been no prior period expenses/income	
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)		
	<b>Sub-Total A</b>		
<b>B</b>	<b>Expenditure relating to previous years</b>		
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)		
	<b>Sub-Total B</b>		
	<b>Net prior period Credit/(Charges) : A-B</b>		

**Extraordinary Items(Rs. Crores)**

Sl.No.	Particulars	Previous Year	Current year (RE)
1	Extraordinary Credits	The petitioner submits that there have been no extraordinary debits and credits	
a	`--		
	<b>TOTAL CREDITS</b>		
2	Extraordinary Debits		
a	`--		
	<b>TOTAL DEBITS</b>		





**Contribution to Contingency Reserve**

**Form No: F23**

(Rs. Crores)

S.N	Particulars	As per Order dated 20.03.2020	Claimed	Current Year	Ensuing years (Projection)		
					FY 2020-21	FY 2021-22	FY 2022-23
1	Fixed Assets		1,889.82	2,792.68	3,727.70	3,909.46	3,909.46
2	%age appropriation to the contingency reserve		0.25%	0.25%	0.50%	0.50%	0.50%
3	Appropriation to the contingency amount	0	4.72	6.98	18.64	19.55	19.55
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	As per Order dated 20.03.2020	Claimed	Current Year	Ensuing years (Projection)					
					FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	
A	Amount from State Govt. i) Purpose for which grant received (a) (b) ii) Targeted categories for subsidy (a) (b)									
B	Amount from Central Govt. i) Purpose for which grant received (a) (b)									

Not Applicable

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**Allocation statement of Expenses of SLDC**

**Form No: F24**

Rs. Crores

	Particulars	Previous year			Current Year			Ensuing Years		
		Total Expenses of STU	Allocated %	SLDC Share	Total Expenses of STU	Allocated %	SLDC Share	Total Expenses of STU	Allocated %	SLDC Share
	<b>Expenditure</b>	The petitioner submits that this section is not applicable								
<b>a</b>	<b>O&amp;M Expenses</b>									
<b>i</b>	R&M Expense									
<b>ii</b>	Employee Expenses									
<b>iii</b>	A&G Expense									
	Total O&M expenses (i+ii+iii)									
<b>b</b>	Depreciation									
<b>c</b>	Interest on Loan									
<b>f</b>	Return on Equity									
<b>g</b>	Others, please specify									
	<b>Total Expenditure</b>									

*Signature*

**Transmission Losses (For Transmission Licensee)**

All figures in MUs

S.No.	Details	Previous year FY 2020-21	Current year FY 2021-22	Ensuing Years FY 2022-23	Ensuing Years FY 2023-24	Ensuing Years FY 2024-25
<b>A</b>	<b>Losses in 400 KV system</b>					
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 voltage level to the State Distribution System					
4	Transmission loss in system (A1-A2-A3)					
5	Transmission loss in (Transco) system (%) {A4/A1} x 100					
		The Petitioner submits that currently it is handling power at only 220 kV Level.				
<b>B</b>	<b>Losses in 220 KV system</b>	<b>Previous year FY 2020-21</b>	<b>Current year FY 2021-22</b>	<b>Ensuing Years FY 2022-23</b>	<b>Ensuing Years FY 2023-24</b>	<b>Ensuing Years FY 2024-25</b>
1	Total Energy delivered by Generating Stations and Inter State/ Intra State tie-links at the interface points of the Intra State Transmission system	4,870.90	5,845.08	7,014.10	8,416.92	10,100.30
2	Energy Delivered to next (Lower) Voltage level	4,224.61	5,069.53	6,083.44	7,300.12	8,760.15
3	Sum of all the energy delivered at this voltage level to the State Distribution System	584.49	701.38	841.66	1,009.99	1,211.99
4	Transmission loss in system (B1-B2-B3)	61.81	74.17	89.00	106.80	128.16
5	Transmission loss in (Transco) system (%) {B4/B1} x 100	1.27%	1.27%	1.27%	1.27%	1.27%
<b>C</b>	<b>Loss Calculation at 132 KV</b>	<b>Previous year FY 2020-21</b>	<b>Current year FY 2021-22</b>	<b>Ensuing Years FY 2022-23</b>	<b>Ensuing Years FY 2023-24</b>	<b>Ensuing Years FY 2024-25</b>
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} x 100					
		The Petitioner submits that currently it is handling power at only 220 kV Level.				
<b>D</b>	<b>Total Losses in the Transmission system</b>	<b>Previous year FY 2020-21</b>	<b>Current year FY 2021-22</b>	<b>Ensuing Years FY 2022-23</b>	<b>Ensuing Years FY 2023-24</b>	<b>Ensuing Years FY 2024-25</b>
1	Total Energy delivered by Generating Stations and Inter State tie-links at the interface points of the Intra State Transmission system	4,870.90	5,845.08	7,014.10	8,416.92	10,100.30
2	Sum of all the energy delivered by the Transmission system in to the State Distribution System	4,809.10	5,770.91	6,925.10	8,310.12	9,972.14
3	Transmission loss in system (D1-D2)	61.81	74.17	89.00	106.80	128.16
4	Transmission loss in (Transco) system (%) {(D3/D1) x 100}	1.27%	1.27%	1.27%	1.27%	1.27%

*F. J. J. J.*  
Signature of Petitioner



**Energy Delivered by Transmission licensee to the distribution Distribution Licensee**

Month	Distribution Licensee / Bulk Consumer			Total Energy delivered*
	NBPDCL	SBPDCL	BSPTCL	
	MU	MU	MU	MU
1	3	4	9	10
Apr-20	18.84	29.11	243.27	291.21
May-20	20.51	26.79	243.54	290.84
Jun-20	22.96	29.47	213.27	265.70
Jul-20	22.97	39.55	438.38	500.90
Aug-20	2.59	46.68	334.41	383.68
Sep-20	-	45.55	357.62	403.17
Oct-20	3.78	35.96	347.32	387.06
Nov-20	11.25	27.57	328.32	367.14
Dec-20	16.27	30.35	398.42	445.04
Jan-21	18.29	31.58	439.08	488.95
Feb-21	16.59	30.94	400.29	447.83
Mar-21	20.29	36.61	480.68	537.59
<b>Total (FY 2020-21)</b>				
Apr-21	22.65	39.46	541.41	603.52
May-21	21.29	37.15	484.91	543.36
Jun-21	21.45	45.75	484.26	551.46
Jul-21	25.79	52.12	556.65	634.56
Aug-21	26.29	58.62	555.75	640.65
Sep-21	22.59	51.02	559.33	632.93
Oct-21	20.76	42.32	501.10	564.17
Nov-21				
Dec-21				
Jan-22				
Feb-22				
Mar-22				
<b>Total (Current year FY 21-22 till October)</b>				
Apr-22				
May-22				
Jun-22				
Jul-22				
Aug-22				
Sep-22				
Oct-22				
Nov-22				
Dec-22				
Jan-23				
Feb-23				
Mar-23				
<b>Total (FY 2022-23)</b>				
Details to be provided for previous years, current year and for each year of control period.				

\*As BGCLhas an integrated transmission system, the data is being supplied month wise



**Details of Electrical Accidents**

Type of Accident	Previous Year FY 2020-21			Current year (2021-22)		
	No. of Accidents			No. of Accidents		
	Fatal	Non Fatal	Total	Fatal	Non Fatal	Total
Human	0	0	0	0	0	0
Other, if any, (please specify)						
<b>Total</b>	0	0	0	0	0	0

72/2022

## Abstract of Outages due to feeder tripping

S.No	Detail	Previous Year (FY 2020-21)				Current Year (FY 2021-22)				Ensuing Year (FY 2022-23)				
		Month	No. of feeders under outage	No. of trippings	Total Duration of Trippings (hrs.)	Average duration of interrupti on per feeder	Month	No. of feeders	No. of trippings	Total Duration of Trippings (hrs.)	Average duration of interrupti on per feeder	No. of feeders	No. of trippings	Total Duration of Trippings (hrs.)
1	voltage Level (220 KV)													
		Apr-20	0	0	0.00	0.00	Apr-21	0	0	0.00	0.00			
		May-20	1	1	0.08	0.08	May-21	3	4	42.03	14.01			
		Jun-20	1	1	0.48	0.48	Jun-21	3	3	0.95	0.32			
		Jul-20	0	0	0.00	0.00	Jul-21	5	5	14.45	0.00			
		Aug-20	0	0	0.00	0.00	Aug-21	0	0	0.00	0.00			
		Sep-20	4	5	2.60	0.65	Sep-21	3	4	77.02	25.67			
		Oct-20	1	2	0.60	0.60	Oct-21	3	3	183.27	61.09			
		Nov-20	1	2	0.83	0.83	Nov-21							
		Dec-20	2	3	5.50	2.75	Dec-21							
		Jan-21	0	0	0.00	0	Jan-22							
		Feb-21	0	0	0.00	0	Feb-22							
		Mar-21	1	1	2.27	2.27	Mar-22							
		<b>Total</b>	11	15	12.37	7.67	<b>Total</b>	17	19	317.72	101.09			
3	voltage Level (132 KV)													
		Apr-20	2	2	0.83	0.4	Apr-21	0	0	0.00	0.00			
		May-20	2	3	2.10	1.1	May-21	4	6	16.23	4.06			
		Jun-20	2	3	2.92	1.5	Jun-21	1	3	2.38	2.38			
		Jul-20	7	7	3.25	0.5	Jul-21	1	2	0.37	0.37			
		Aug-20	2	2	2.10	1.1	Aug-21	7	14	8.82	1.26			
		Sep-20	4	4	1.75	0.4	Sep-21	2	6	2.43	1.22			
		Oct-20	2	2	0.82	0.4	Oct-21	5	13	6.12	1.2			
		Nov-20	0	0	0.00	0	Nov-21							
		Dec-20	1	1	0.87	0.9	Dec-21							
		Jan-21	0	0	0.00	0	Jan-22							
		Feb-21	1	1	0.27	0.3	Feb-22							
		Mar-21	0	0	0.00	0	Mar-22							
		<b>Total</b>	23	25	14.90	6.4	<b>Total</b>	20	44	30.23	10.51			

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**Major System Disturbances**

S.No.	Disturbances	Previous Years		Current Years		Ensuing Years	
		Number	Total Duration (Hrs.)	Number	Total Duration (Hrs.)	Number	Total Duration (Hrs.)
<b>A</b>	<b>Disturbances when DISCOM supply has been effected for more than 1hr.</b>						
i	Due to 400 kV transformer failures						
ii	Due to 400 kV transmission line outage						
iii	Due to 400 kV sub-station equipment (CT, CVT etc.) failure						
iv	Due to 220 kV transformer failure						
v	Due to 220 kV transmission line failure						
vi	Due to 220 kV sub-station equipment (CT, CVT etc.) failure						
vii	Due to 132 kV transformer failure						
viii	Due to 132 kV transmission line failure						
ix	Due to 132 kV sub-station equipment (CT, CVT etc.) failure						
<b>B</b>	<b>Estimated unserved energy due to such interruptions</b>						
<b>C</b>	<b>Other Transmission disturbances when DISCOM supply has got effected</b>						
i	Disturbance due to Natural Clamity- Flood	01 no. at 220/132/33 kV Amnour	Power supply was arranged by alternate source				
ii							
iii							
iv							

The petitioner submits that there have been no major system disturbances due to equipment failure

The petitioner submits that there have been no major system disturbances till date

9/2/2020

**Frequency Variation**

Sl.no.	Frequency	Previous Years		Current Years		Ensuing Years	
		No. of Hours	As percentage of total hours in the year (%)	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 - 5.2 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						

Frequency variation is being addressed by ERLDC/ SLDC with appropriate action like Generation Control, Load shedding, Anciliary Services Booking as and when required.

7/2/2020



**Voltage Fluctuation**

Name of Sub- Station	Transformation Capacity	Reactive Compensation provided	Previous Year				Current Year				Ensuing Years			
			Time during which voltage in an year											
			More than upper limit in %age		Between upper & lower limit		Less than lower limit in %age		More than upper limit in %age		Between upper & lower limit		Less than lower limit in %age	
Hours	%age	Hours	%age	Hours	%age	Hours	%age	Hours	%age	Hours	%age	Hours	%age	
400 KV level			Voltage fluctuation is being addressed by ERLDC/ SLDC with appropriate action like opening/ closing of reactors/ capacitors, lines and Tap changing as and when required.											
i														
ii														
iii														
iv														
220 KV Level			Voltage fluctuation is being addressed by ERLDC/ SLDC with appropriate action like opening/ closing of reactors/ capacitors, lines and Tap changing as and when required.											
i														
ii														
iii														
iv														
132 KV level			Voltage fluctuation is being addressed by ERLDC/ SLDC with appropriate action like opening/ closing of reactors/ capacitors, lines and Tap changing as and when required.											
i														
ii														
iii														
iv														

Note: Upper Limit is 420 kVrms and lower limit is 360 kVrms in case of 400 kv level

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## Licensee wise Load shedding carried out during the year

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

The petitioner submits that there has been no load shedding

*Signature*

**Details of Overloaded Feeders**

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
<b>Previous Year (FY 2020-21)</b>							
1	400 KV						
2	220 KV						
3	132 KV						
<b>Current Year (FY 2021-22)</b>							
1	400 KV						
2	220 KV						
3	132 KV						

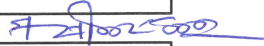
Note:

Signature of Petitioner

**Details of over loaded Transformers**

Sl.No.	Rated Voltage	Previous Years (FY 2020-21)			Current Years (FY 2021-22)			Ensuing Years (FY 2022-23)		
		Rated Capacity	Actual Load on Transformer	% of Transformers over loaded	Rated Capacity	Actual Load on Transformer	% of Transformers over loaded	Rated Capacity	Actual Load on Transformer	% of Transformers over loaded
1	400/220/33 KV Transformers									
	Capacity									
	i									
	ii									
	<b>Total</b>									
2	220/132/33KV Transformers									
	Capacity									
	i									
	ii									
	<b>Total</b>									
3	220/132KV Transformers									
	Capacity									
	i									
	ii									
	<b>Total</b>									
4	132/33KV Transformers									
	Capacity									
	i									
	ii									
	<b>Total</b>									

The petitioner submits that there has been no over loading in transformer

  
Signature of Petitioner



## Failure of Transformers

S. No.	Transformation ratio	Previous Year (2020-2021)			Current Year (2021-22)			Ensuing Years (2022-23)		
		No. of Transformers	No. of failures	Total Duration of failure (hrs.)	No. of Transformers	No. of failures	Total Duration of failure (hrs.)	No. of Transformers	No. of failures	Total Duration of failure (hrs.)
1	400/220/33 KV									
i	500 MVA	0	0	0	4	0	0	4	0	0
2	220/132/33 kV									
i	160 MVA	3	0	0	5	0	0	9	0	0
3	220/132 kV									
i	160 MVA	10	1	1.13	10	1	1.03	12	0	0
4	220/33 kV									
i	100 MVA	0	0	0	2	0	0	2	0	0
4	132/33 kV									
i	80 MVA	1	0	0	7	0	0	8	0	0
ii	50 MVA	13	0	0	13	1	0.78	15	0	0

500	0	0	0	4	0	0	4	0	0	
160+ t	3	0	0	5	0	0	9	0	0	
160	10	1	1.13	10	1	1.03	12	0	0	
100	0	0	0	2	0	0	2	0	0	
80	1	0	0	7	0	0	8	0	0	
50	13	0	0	13	1	0.78	15	0	0	
<b>Total number</b>	<b>27</b>	<b>1</b>	<b>1.13</b>	<b>41</b>	<b>2</b>	<b>1.82</b>	<b>50</b>	<b>0</b>	<b>0</b>	
<b>i. 400 kV Naubatpur</b>										
a) 500 MVA	0	0	0	1	0	0	1	0	0	
b) 500 MVA	0	0	0	1	0	0	1	0	0	
c) 160 MVA	0	0	0	1	0	0	1	0	0	
d) 160 MVA	0	0	0	0	0	0	1	0	0	
e) 80 MVA	0	0	0	1	0	0	1	0	0	
f) 80 MVA	0	0	0	1	0	0	1	0	0	
<b>ii 400 kV Jakkanpur</b>										
a) 500 MVA	0	0	0	1	0	0	1	0	0	
b) 500 MVA	0	0	0	1	0	0	1	0	0	
c) 160 MVA	0	0	0	1	0	0	1	0	0	
d) 160 MVA	0	0	0	0	0	0	1	0	0	
e) 160 MVA	0	0	0	0	0	0	1	0	0	
f) 80 MVA	0	0	0	1	0	0	1	0	0	
g) 80 MVA	0	0	0	1	0	0	1	0	0	
h) 80 MVA	0	0	0	1	0	0	1	0	0	
i) 80 MVA	0	0	0	0	0	0	1	0	0	
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>0</b>	
2	220/132/33KV									
<b>i. 220 kV Amnour GIS</b>										
a) 160 MVA (13737)	1	0	0	1	0	0	1	0	0	
b) 160 MVA (13738)	1	1	1.13	1	0	0	1	0	0	
c) 50 MVA (6042)	1	0	0	1	0	0	1	0	0	
d) 50 MVA (6046)	1	0	0	1	0	0	1	0	0	



<b>ii. 220 kV Khijirsarai GIS</b>									
a) 160 MVA (13736)	1	0	0	1	0	0	1	0	0
b) 160 MVA (T14138-02)	1	0	0	1	0	0	1	0	0
b) 50 MVA (6043)	1	0	0	1	0	0	1	0	0
c) 50 MVA (6045)	1	0	0	1	0	0	1	0	0
d) 50 MVA	0	0	0	0	0	0	1	0	0
<b>iii. 220 kV Narhat GIS</b>									
a) 160 MVA (13735)	1	0	0	1	0	0	1	0	0
b) 160 MVA (14138-01)	1	0	0	1	0	0	1	0	0
c) 50 MVA (6041)	1	0	0	1	1	0.78	1	0	0
d) 50 MVA (6044)	1	0	0	1	0	0	1	0	0
<b>iv. 220 kV Shekhopur Sarai GIS</b>									
a) 160 MVA (13727)	1	0	0	1	0	0	1	0	0
b) 160 MVA (13740)	1	0	0	1	0	0	1	0	0
c) 50 MVA (6033)	1	0	0	1	0	0	1	0	0
d) 50 MVA (6035)	1	0	0	1	0	0	1	0	0
<b>v. 220 kV Haveli Kharagpur GIS</b>									
a) 160 MVA (13728)	1	0	0	1	0	0	1	0	0
b) 160 MVA (T14138-3)	1	0	0	1	0	0	1	0	0
c) 50 MVA (6034)	1	0	0	1	0	0	1	0	0
d) 50 MVA (6036)	1	0	0	1	0	0	1	0	0
<b>vi. 220 kV Goradiah GIS</b>									
a) 160 MVA (13739)	1	0	0	1	0	0	1	0	0
b) 160 MVA	0	0	0	0	0	0	1	0	0
c) 50 MVA (6037)	1	0	0	1	0	0	1	0	0
d) 50 MVA (6038)	1	0	0	1	0	0	1	0	0
<b>vii. 220 kV Mokama GIS</b>									
a) 160 MVA	1	0	0	0	0	0	1	0	0
b) 160 MVA (T14138-5)	0	0	0	1	1	1.03	1	0	0
c) 80 MVA (T14139-1)	1	0	0	1	0	0	1	0	0
d) 50 MVA	0	0	0	0	0	0	1	0	0
<b>viii 220 kV Bhusaula</b>									
a) 100 MVA	0	0	0	1	0	0	1	0	0
b) 100 MVA	0	0	0	1	0	0	1	0	0
<b>ix. Dumraon GIS</b>									
a) 160 MVA (T14138-4)	1	0	0	1	0	0	1	0	0
b) 160 MVA	0	0	0	0	0	0	1	0	0
c) 80 MVA (T14139-2)	1	0	0	1	0	0	1	0	0
d) 80 MVA (T14139-7)	0	0	0	1	0	0	1	0	0
<b>Total</b>	<b>27</b>	<b>1</b>	<b>1.13</b>	<b>30</b>	<b>2</b>	<b>1.82</b>	<b>35</b>	<b>0</b>	<b>0</b>

*[Handwritten Signature]*