



# JHARKHAND URJA SANCHARAN NIGAM LTD.

(CIN No. - U40108jh2013SGC001704)

Regd. Office - Engineering Building, H.E.C., Dhurwa, Ranchi - 834004

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Letter No. 153 C.E., T (O&M)/JUSNL

Dated 18/04/17

From,

B. Narayan,  
Chief Engineer, Transmission (O&M)

To,

Law officer,  
Jharkhand State Electricity Regulatory Commission (JSERC),  
2nd floor, Rajendra Jawan Bhawan-cum-Sainik Bazar,  
Mahatma Gandhi Marg (Main Road),  
Ranchi-834001

**Kind Attn: Sh. M.A Khan**

**Subject: Compliance report in respect of Additional data sought on the Multi Year Tariff Petition for the 2<sup>nd</sup> Control period (FY 2016-17 to FY 2020-21) filed by JUSNL**

Reference: Letter No. JSERC/Case (Tariff) No. 03 of 2017/14 dated 4<sup>th</sup> April '17

Dear Sir,

This is with reference to the above mentioned letter.

As required, please find enclosed the compliance report, which is being filed by us in response to the Hon'ble Commission's letter dated 4<sup>th</sup> April '17 on our petition dated 21<sup>st</sup> Mar'17.

Thanking you,

Yours faithfully,

  
(B. Narayan)

Chief Engineer, Trans.(O&M)  
Jharkhand Urja Sancharan Nigam Ltd. (JUSNL)



## **Reply to discrepancies - Case (Tariff) No. 03 of 2017**

### *Query 1*

JUSNL has not submitted audited annual accounts for FY 2014-15 and FY 2015-16 of the transmission as well as SLDC business.

### *Reply 1*

JUSNL submits that the audit for the FY 2014-15 is under finalisation by CAG and the process is expected to take another month, audited accounts for FY 2014-15 shall be submitted to the Hon'ble commission subsequent to finalisation by CAG. The provisional accounts for FY 2015-16 are under preparation and the same shall be submitted to the Hon'ble commission after finalisation, within a period of three months.

### *Query 2*

JUSNL has not submitted provisional annual accounts for FY 2016-17 of the transmission as well as the SLDC business.

### *Reply 2*

JUSNL submits that the provisional annual accounts for the FY 2016-17 are under preparation. Further, the process of preparing separate accounts for transmission as well as SLDC business has been initiated last year. Separate account has been maintained for transactions of SLDC business since Dec 2016. The provisional accounts shall be submitted to the Hon'ble Commission within six months once the same are prepared and finalised.

### *Query 3*

In case separate accounts are not available for transmission and SLDC business then the ratio/basis of division of expenses, Assets and liabilities are required to be submitted along with the breakup of capitalization and CWIP under the transmission and SLDC business for the control period.

The relevant provision of the regulation is produced below:

7.2 Till such time there is a complete segregation of accounts between Transmission business and SLDC activity, the ARR for each business shall be supported by an allocation statement duly approved by the Board of Transmission licensee containing the apportionment of all the costs, revenues, assets, liabilities, reserves and provisions between the transmission business, SLDC activity and any other business of the transmission licensee. The allocation statement shall also contain the methodology used for the apportionment between different businesses.

### *Reply 3*

JUSNL submits that a separate account has been maintained for transactions of SLDC business since Dec 2016. The ratio/basis of division of expenses and Assets are based on actual records of FY 13-14.

### *Query 4*

JUSNL has not indicated under which regulations it has charged SLDC charges under para 2.15 as well as the basis of charging registration and application fee under SLDC charges.



Reply 4

JUSNL submits that the SLDC charges and registration charges are considered as per clause 10.4 10.12 of the JSERC (Levy of Collection of Fees and Charges by SLDC) Regulations, 2010 which are reproduced below:

*10.4 "Annual charges towards system operation function shall comprise 80% of the annual charges. Annual charges towards market operation function shall comprise the balance 20 % of annual charges."*

*10.12 "The application for registration shall be accompanied by one-time fees of Rs 1 lakh. The existing users shall register themselves with the SLDC concerned by filing an application along with the fees of Rs 1 lakh within a month of coming into force of these Regulations."*

JUSNL further submits that the application fee for the STOA applications in respect of the Intra-state open access are considered as per clause 15.3 of Chapter 4 of 'Jharkhand State Electricity Regulatory Commission (Terms and Conditions for Intra-State Open Access) Regulations, 2016'.

JUSNL also submits that the Application Fee and Scheduling Charges for the STOA applications in respect of the Intra-state open access are considered as per clause 20.1(b) of Chapter 5 of 'Jharkhand State Electricity Regulatory Commission (Terms and Conditions for Intra-State Open Access) Regulations, 2016'. Which is reproduced below:

*"20.1 Scheduling and system operation charges shall be payable by the Open Access Consumers at the following rates:*

*In respect of Intra-State Open Access*

*(a) Charges for LTOA and MTOA*

*i. LTOA and MTOA Consumers shall be liable to pay SLDC fees and charges determined by the Commission.*

*ii. This charge includes fee for scheduling and system operation, energy accounting, fee for affecting revisions in schedule on bonafide grounds and collection and disbursement of charges*

*(b) Charges for STOA*

*i. A composite operating charge @ Rs.2,000/- per day or part of the day shall be payable by a STOA Consumer for each transaction to the SLDC or as determined by the Commission from time to time.*

*ii. This charge includes fee for scheduling and system operation, energy accounting, fee for affecting revisions in schedule on bonafide grounds and collection and disbursement of charges"*

Query 5

JUSNL has failed to submit the actual O&M expenses including the employee cost, A&G expenses and the R&M expenses for FY 2014-15, FY 2015-16 and FY 2016-17.

Reply 5

As mentioned in response to query No. 1 and 2 as mentioned above, JUSNL submits the following:



1. As the accounts of 2014-15 are under finalisation, the actual O&M expenses including the employee cost, A&G expenses and the R&M expenses for FY 2014-15 are expected to be finalised within one month. JUSNL shall submit the same to the Hon'ble Commission within one month.
2. As the accounts of 2015-16 are under preparation, the actual O&M expenses including the employee cost, A&G expenses and the R&M expenses for FY 2015-16 are expected to be finalised within three months. JUSNL shall submit the same to the Hon'ble Commission within three months.
3. As the provisional accounts of 2016-17 are under preparation, the actual O&M expenses including the employee cost, A&G expenses and the R&M expenses for FY 2016-17 have not been finalised. Considering the same, JUSNL shall provide the same within six months.

*Query 6*

The Petitioner has not submitted the details of the actual non-tariff income received for FY 2014-15, FY 2015-16 and FY 2016-17

*Reply 6*

As mentioned in response to query No. 1 and 2 as mentioned above, JUSNL submits the following:

1. As the accounts of 2014-15 are under finalisation, the actual non-tariff income received for FY 2014-15 are expected to be finalised within one month. JUSNL shall submit the same to the Hon'ble Commission within one month.
2. As the accounts of 2015-16 are under preparation, the actual non-tariff income received for FY 2015-16 are expected to be finalised within three months. JUSNL shall submit the same to the Hon'ble Commission within three months.
3. As the provisional accounts of 2016-17 are under preparation, the actual non-tariff income received for FY 2016-17 have not been finalised. Considering the same, JUSNL shall provide the same within six months.

*Query 7*

The petitioner did not submit the actual revenue from the transmission charges for FY 2014-15, FY 2015-16 and FY 2016-17

*Reply 7*

JUSNL submits that's the actual revenue from the transmission charges for FY 2014-15, FY 2015-16 and FY 2016-17 shall be submitted within one month, three months and six months respectively after finalisation of audited accounts.

*Query 8*

JUSNL has not submitted actual loan portfolio with relevant documents including term sheets and rate of interest. The petitioner is required to recalculate interest on the loan with a weighted average rate of interest calculated on the basis of the actual loan portfolio and not on the normative basis. Relevant provisions of the transmission tariff regulations are reproduced below:

***7.19 The rate of interest shall be weighted average rate of interest calculated on the basis on the actual loan portfolio at the beginning of each year applicable to the project;***

***Provided that if there is no actual loan for the particular year but normative loan is still outstanding the last available weighted rate of interest shall be considered;***



***Provided further that if the transmission system doesn't have the actual loan, then the weighted average rate of interest of the transmission licensee as a whole shall be considered.***

7.20 Provided further, in case of new transmission licensee commencing its operation after the date of effectiveness of these regulations, and which does not have actual loan portfolio, the rate of interest shall be considered on the normative basis and shall be equal to the base rate of SBI plus 200 basis points as on the date of which the licensee is declared under Commercial operation.

***7.21 The interest on the loan shall be calculated on the normative average loan of the year by applying the weighted average rate of interest.***

*Reply 8*

JUSNL submits that the details of the actual funds raised from the state govt/FI as loan are enclosed at Annexure I. The relevant documents including term sheets and rate of interest have already been submitted in the reply no 11 of third discrepancy report of the business plan.

*Query 9*

The petitioner has not submitted the projection of addition to the assets in SLDC under table 10 of the petition for determination of normative loan and interest on loans.

*Reply 9*

JUSNL had floated a tender for appointment of consultant for preparation of fixed asset register for JUSNL vide EOI no. 99/PR/JUSNL/2016-17 dated 5th Oct 2016. On finalisation of fixed asset register, JUSNL will be in a position to bifurcate the assets of transmission and SLDC business. The base asset value of SLDC are based on actual records of FY 13-14. The same has been projection in future without any addition.

*Query 10*

The petitioner is required to resubmit the depreciation charges after recalculating depreciation on additions during the year on pro rata or average basis. The relevant provision of the transmission tariff regulations are reproduced below:

7.30 "Depreciation shall be chargeable from the first year of the commercial operation. ***In the case of commercial operation of the asset for that part of the year depreciation shall be charged on the pro rata basis.***"

*Reply 10*

JUSNL submits that the depreciation charges are calculated after recalculating depreciation on additions during the year on an average basis.

*Query 11*

Working capital in the table number 14 and 15 of the petition doesn't match with the working capital in form F18 of the annexure A. The petitioner has not given justification for the discrepancy. The petitioner is required to submit ratio and its justification of dividing the working capital into transmission and SLDC.



*Reply 11*

JUSNL requests the Hon'ble commission to kindly consider the working capital as per Format F18 for the transmission business. The table is being reproduced below for easy reference:

Particulars	2016-17	2017-18	2018-19	2019-20	2020-21
Working Capital	106.24	201.69	327.08	541.19	596.14

JUSNL requests the Hon'ble commission to kindly consider the working capital for the SLDC business as per below table. The accounts of FY 2014-15 are being considered with proper escalation for calculation of working capital for SLDC business for the 2<sup>nd</sup> control period.

Particulars	2016-17	2017-18	2018-19	2019-20	2020-21
Working Capital	0.82	0.87	0.93	0.98	1.05

*Query 12*

Interest on working capital of 9.3% does not match the interest rate of 9.25% as on 1<sup>st</sup> Sep 2016 in Annexure-D

*Reply 12*

JUSNL submits that the base rate of SBI as on as on 1<sup>st</sup> Sep 2016 is 9.3%.The screenshot of the website is enclosed in Annexure II.

*Query 13*

The petitioner has mentioned in the petition that it has escalated the non-tariff income for FY 2015-16 but in format F2 of annexure A, the petitioner has not escalated non-tariff income for FY 15-16.The petitioner has not given justification for this discrepancy.

*Reply 13*

JUSNL submits that the detail of non-tariff income for FY 15-16 were not available and hence the non-tariff income of FY 14-15 was considered.

*Query 14*

Interest charges mentioned in table 9 of the petition do not match with the interest charges in table 27 of the petition. The petitioner did not give justification for this discrepancy.

*Reply 14*

JUSNL requests the Hon'ble commission to kindly consider the interest charges as per format F8 of Annexure A submitted along with the MYT Petition which is as follows:

Particulars	2016-17	2017-18	2018-19	2019-20	2020-21
Opening balance	696.45	1,976.19	2,537.57	5,767.67	6,014.60
Asset Addition (Debt portion of	1,385.06	742.58	3,564.96	735.18	873.201



Particulars	2016-17	2017-18	2018-19	2019-20	2020-21
Capitalised assets)					
Less Depreciation	105.31	181.21	334.86	488.24	545.61
Closing balance	1,976.19	2,537.57	5,767.67	6,014.60	6,342.19
Interest	151.00	255.03	469.25	665.70	698.16

*Query 15*

The petitioner has grossed up return on equity in format S5 based on the tax rate of 33% while in format S1 it has calculated the provision for income tax on 30% tax rate. The petitioner has not given justification for this discrepancy.

*Reply 15*

JUSNL submits that the tax rate of 33% be considered by the Hon'ble Commission for calculating the income tax provision. The revised format S1 is enclosed at Annexure III.

*Query 16*

The petitioner has submitted that *"Due to the expansion of the state transmission network on a larger scale in the upcoming years, a substantial increase in the number of employees for JUSNL is envisaged."* JUSNL has not submitted projection of no of employees during the control period under form F5 (A) to commensurate with the network load during the control period.

*Reply 16*

JUSNL submits that the details of the projected man power requirements at Zonal/Circle/Divisional offices are attached as Annexure IV which are subjected to approval from Board of Directors.

*Query 17*

Interest on working capital mentioned in table 16 of the petition does not match with interest on working in table 27 of the petition. The petitioner does not submit the justification for this discrepancy.

*Reply 17*

JUSNL requests the Hon'ble commission to kindly consider the interest on working capital as per format F8 of Annexure A submitted along with the MYT Petition. The table is being reproduced below for easy reference:

Particulars	2016-17	2017-18	2018-19	2019-20	2020-21
Working Capital	106.24	201.69	327.08	541.19	596.14
Interest	13.60	25.82	41.87	69.27	76.31



*Query 18*

Other non-tariff income of Rs.22.53 Cr on format S1 of annexure A does not match with other non-tariff income of Rs 5.89 Cr in format F1 annexure A. The petitioner does not submit the justification for this discrepancy.

*Reply 18*

JUSNL submits that the detail of non-tariff income for FY 15-16 were not available and hence the non-tariff income of FY 14-15 was considered. Kindly consider the non-tariff income of Rs. 5.89 Cr for FY 2015-16.

*Query 19*

In format S5 of the annexure A, the petitioner has taken the opening balance of the equity for FY 16-17 as the closing balance of equity of FY 14-15 and not closing balance of equity of FY 15-16. The petitioner does not submit the justification for this discrepancy.

*Reply 19*

JUSNL submits that it has considered FY 2014-15 as the base year (along with appropriate escalations) for projection of data for the 2<sup>nd</sup> control period. In view of this, JUSNL has considered the closing balance of equity of FY 14-15 as the opening balance of the equity for FY 16-17.

*Query 20*

The petitioner has failed to submit basis of the projection of transmission units to be wheeled (MU's) as stated in table 29 of the second control period.

*Reply 20*

JUSNL submits that projection of transmission units to be wheeled (MU's) is as per section 2.1 (table 29) of the business plan submitted to the Hon'ble commission for approval.

*Query 21*

With reference to the directives issued in the last tariff order, for FY 16 dated 14<sup>th</sup> Dec 2015, the petitioner did not provide specific timelines under its response to directive number 2 of the order.

*Reply 21*

JUSNL submits that it is in final stage of the award of the tender RFP No. 129 PR/JUSNL/2016-17 for the preparation of true up petition for transmission function of the erstwhile JSEB for the period FY 2011-12, FY 2012-13 and FY 2013-14 (for period 1st April 2013 to 5th January 2014) and also for the period post unbundling i.e. FY 2013- 14 (6th January 2014 to 31st March 2014) and FY 2014-15 along with its next Petition for approval of ARR for second MYT control period.

*Query 22*

With reference to the directives issued in the last tariff order, for FY 16 dated 14<sup>th</sup> Dec 2015 the petitioner has provided a vague response to the directive on investment it is planning for capacity addition. The commission hereby again directs the petitioner to clearly articulate the steps it will take to strengthen the transmission network and furnish the detailed plan *with a cost-benefit analysis for the same*.



*Reply 22*

JUSNL would like to submit that it has floated a tender for inviting consultants for preparation of DPR's to vide RFP no. 114/PR/JUSNL/2016-17 dated 2nd Nov 2016. The DPRs once prepared will have cost benefit analysis for the projects envisaged for strengthening the transmission network. JUSNL will submit the cost-benefit analysis to the Hon'ble Commissions as soon as the DPRs for same are finalised.



# Annexure I

Summary of Statement showing scheme wise amount received and utilized till date

Sr. No.	Name of Schemes	Sanctioned Scheme Amount	2001-02		2002-03		2003-04		2004-05		2005-06	
			Amount Received	Amount Utilized	Amount Received	Amount Utilized	Amount Received	Amount Utilized	Amount Received	Amount Utilized	Amount Received	Amount Utilized
1	State Plan		497.00									
2	REC		112.00									
3	Simdega		45.88									
4	Tamar		61.75									
5	Augmentation (FY 2013-14)											
6	PGCIL (excluding 11% consultancy charges	1,310.00										
7	Chatra GSS & Lines (Old)	193.50										
8	Lalmatia	3.00										
9	Hatia Kanke LILo	5.00										
10	Augmentation (FY 2014-15)	61.73										
11	Augmentation (FY 2015-16)	57.30										
12	Jainamare	110.00										
13	Girdih	127.00										
14	Jasidih	170.50										
15	Saria	80.00										
16	Khunti	98.00										
17	Dumka-Lalmatia	42.57										
18	Consultancy for new scheme PPP mode	38.63										
19	Ratu GSS & Patratu-Ranchi & Ratu Hatia Tr. line	162.25										
20	Chatra GSS & Lines (New)	70.00										
21	Rajmahal GSS & lines	70.00										
22	Garhwa GSS & lines	98.00										
23	Bahragoda GSS & Lines	79.00										
24	Godda- Dumka GSS & Lines	189.50										
25	Chandankhari GSS & Lines	106.00										
26	Jamua GSS & Lines	72.50										
	<b>Total</b>	<b>3861.11</b>	<b>40.00</b>	<b>10.53</b>	<b>61.00</b>	<b>2.81</b>	<b>0.00</b>	<b>2.70</b>	<b>41.16</b>	<b>16.63</b>	<b>50.00</b>	<b>41.67</b>



[illegible]



2014-15		2015-16		2016-17 up to 10.02.17		Amount Received till date	Amount Utilized till date	Balance Amount to be utilized
Amount Received	Amount Utilized	Amount Received	Amount Utilized	Amount Received	Amount Utilized			
30.00	8.99	16.00	16.10	0.00	20.48	192.16	192.16	0.00
20.77	1.26	0.00	3.68	0.00	1.59	431.55	431.10	0.45
40.88	10.12	0.00	13.87	0.00	10.94	90.77	76.27	14.50
20.50	4.60	0.00	0.38	0.00	0.17	45.88	39.05	6.83
						50.50	19.66	30.84
455.00	455.00	375.00	259.13	0.00		1299.22	1183.18	116.04
112.33	20.25	0.00	18.14	0.00	34.11	142.33	101.11	41.22
		0.00		0.00	0.01	2.69	2.69	0.00
	0.68	0.00		0.00	1.35	5.00	5.00	0.00
		36.72	11.31	0.00	5.19	36.72	16.50	20.22
		57.00	0.00	0.00	30.20	57.00	30.20	26.80
		11.00	0.00	0.00	3.93	11.00	3.93	7.07
		13.00	0.00	0.00		13.00	0.00	13.00
		17.05	0.00	0.00	8.13	17.05	8.13	8.92
		8.00	0.00	0.00		8.00	0.00	8.00
		20.00	0.00	0.00	3.06	20.00	3.06	16.94
		17.52	6.72	0.00	0.83	17.52	7.55	9.97
		5.00	0.00	0.00	0.49	5.00	0.49	4.51
				55.00	9.47	55.00	9.47	45.53
				25.00	5.90	25.00	5.90	19.10
				45.00	3.59	45.00	3.59	41.41
				30.00	1.59	30.00	1.59	28.41
				12.00	5.92	12.00	5.92	6.08
				30.00	0.00	30.00	0.00	30.00
				16.00	8.28	16.00	8.28	7.72
				10.00	3.81	10.00	3.81	6.19
679.48	500.90	576.29	329.33	223.00	159.04	2668.39	2158.64	509.75



## Annexure 2

SBI Corporate Website > Interest Rates > Base Rate (Historical Data)

### BASE RATE (HISTORICAL DATA)

Effective Date	Interest Rate (%)
05.10.2015	9.30
08.06.2015	9.70
10.04.2015	9.85
07.11.2013	10.00
19.09.2013	9.80
04.02.2013	9.70
20.09.2012	9.75
13.08.2011	10.00
11.07.2011	9.50
12.05.2011	9.25
25.04.2011	8.50
14.02.2011	8.25
03.01.2011	8.00
21.10.2010	7.60
01.07.2010	7.50



**JHARKHAND URJA SANCHARAN NIGAM LIMITED**

Form No: S1

**Profit & Loss**

All figures in Rs Crores

	Particulars	FY 2013-14	FY 2014-15	FY 2015-16	Control Period (Projected)				
		Audited	Estimated	Estimated	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21
<b>A</b>	<b>Revenue</b>								
1	Revenue from transmission and ancillary services*	31.40	138.53	155.37	489.60	902.97	1567.06	2448.84	2690.20
2	Other Non-tariff income	1.98	4.00	22.53	6.37	6.87	7.42	8.02	8.66
3	Revenue subsidies								
4	Income from Investment		1.89	1.89	2.04	2.21	2.38	2.57	2.78
	<b>Total Revenue or Income</b>	<b>33.38</b>	<b>144.42</b>	<b>179.79</b>	<b>498.01</b>	<b>912.05</b>	<b>1,576.86</b>	<b>2,459.43</b>	<b>2,701.64</b>
<b>B</b>	<b>Expenditure</b>								
1	Expenses for SLDC's fees & charges				2.50	2.62	2.74	2.88	3.03
2	Operations & Maintenance Expenses	33.93	71.95	69.74	110.15	224.33	287.76	575.93	639.50
a	Repairs and Maintenance	20.12	28.35	22.72	59.36	169.48	228.52	511.95	570.40
b	Employee costs	12.33	38.02	41.06	44.33	47.88	51.71	55.85	60.31
c	Administration and General expenses	1.48	5.58	5.96	6.46	6.98	7.53	8.14	8.79
3	Net prior period credits/(charges)								
4	Other Debits, Write-offs								
5	Extraordinary items (net)		6.63						
6	Less: Expenses Capitalized								
<b>C</b>	<b>PBDIT</b>	<b>-0.55</b>	<b>65.84</b>	<b>110.05</b>	<b>385.35</b>	<b>685.10</b>	<b>1,286.36</b>	<b>1,880.62</b>	<b>2,059.11</b>
<b>D</b>	<b>Depreciation and Related debits</b>	<b>6.15</b>	<b>55.19</b>	<b>55.82</b>	<b>105.31</b>	<b>181.21</b>	<b>334.86</b>	<b>488.24</b>	<b>545.61</b>
<b>E</b>	<b>PBIT</b>	<b>-6.70</b>	<b>10.65</b>	<b>54.24</b>	<b>280.04</b>	<b>503.89</b>	<b>951.50</b>	<b>1,392.37</b>	<b>1,513.49</b>
1	Interest & Finance Charges	0.28	17.10	137.96	164.60	280.84	511.11	734.97	774.46
2	Less: Interest Capitalized								
<b>F</b>	<b>Total Interest and Finance Charges</b>	<b>0.28</b>	<b>17.10</b>	<b>137.96</b>	<b>164.60</b>	<b>280.84</b>	<b>511.11</b>	<b>734.97</b>	<b>774.46</b>
<b>G</b>	<b>TOTAL EXPENDITURE</b>	<b>40.35</b>	<b>150.87</b>	<b>252.13</b>	<b>382.57</b>	<b>689.00</b>	<b>1,136.47</b>	<b>1,802.03</b>	<b>1,962.61</b>
<b>H</b>	<b>Profit/Loss before Tax</b>	<b>-6.98</b>	<b>-6.45</b>	<b>-74.23</b>	<b>115.43</b>	<b>223.05</b>	<b>440.39</b>	<b>657.40</b>	<b>739.03</b>
<b>I</b>	<b>Provision for Income Tax</b>				<b>38.09</b>	<b>73.61</b>	<b>145.33</b>	<b>216.94</b>	<b>243.88</b>
<b>J</b>	<b>Profit/Loss after Tax</b>	<b>-6.98</b>	<b>-6.45</b>	<b>-74.23</b>	<b>77.34</b>	<b>149.44</b>	<b>295.06</b>	<b>440.46</b>	<b>495.15</b>

Note - Appropriation to any reserve can be mentioned

\* Ancillary Services implies revenues from grid support, reactive energy and other facility provided.



# Proposed Manpower in JUSNL Zone Office

Designation	JUSNL ZONE OFFICE								Total
	Technical				IT	F & A	HR & Admin	Common Staffs	
	T & C	O & M	Civil	Stores					
GM					1				1
DGM									1
		1	1	1	1	1	1		7
SM	1	1				1			6
AM	2	1		1		1			2
JE	2								1
JAO						1			1
SO							1		6
Technician	6								1
T Assistant		1							1
Stores Operator				1					2
Ac. Assistant						2			2
HR Assistant							2		2
DEO								2	8
Assistant	8								2
Store Attendant				2					2
Office Attendant								2	43
Total	19	3	1	5	1	5	5	4	45

Annexure - 12







# Proposed Manpower in JUSNL Division Office

JUSNL DIVISION OFFICE						
Designation	Technical	IT	F & A	HR & Admin	Common Staffs	Total
SMI			1			1
AM	1					1
JE		1				1
JAO			1			1
SO				1		1
T Assistant	1					1
Ac. Assistant			1			1
HR Assistant				1		1
DEO		1			1	2
Office Attendant					1	1
Total	1	2	2	2	2	11



# Proposed Manpower in JUSNL 132 kV Transmission Sub-Division Office

JUSNL 132 kV SUB-DIVISION OFFICE MANNING						
Designation	Operation of 132 kV S/S	Maintenance of 132 kV S/S	Patrolling	Accounts	HR & Admin	Common
AM			1			
JE		1				1
Operator	4					4
Technician Electrical		2				2
Technician		2				2
Technician Fitter		1				1
Assistant Operator	4					4
Assistant Technician		2				2
Ac.Assistant				1		1
HR Assistant					1	1
Patrolman			As per Norms			0
Assistant Patrolman			As per Norms			0
Technical Attendant	4					4
Off. Attendant						1
Total	12	8	0	1	1	23
						24

Norms for Patrolling: For 100 km Trnasmission Line - Patrolaman - 1 and Assistant patrolman - 1







# Proposed Manpower in JUSNL 400 kV Transmission Sub-Division Office

JUSNL 400 kV SUB-DIVISION OFFICE MANNING						
Designation	Operation of 400 kV S/S	Maintenance of 400 kV S/S	Patrolling	Accounts	HR & Admin	Common
Manager						
AM	4	1				
JE	4	1				
Senior Operator	4					
Operator	4					
Technician Electrical		2				
Technician		2				
Technician Fitter		2				
Assistant Technician		4				
Ac.Assistant				1		
HR Assistant					1	
Patrolman			As per Norms			
Assistant Patrolman			As per Norms			
Technical Attendant	4					
Off. Attendant						1
Total	20	12	0	1	1	1
						35
						36

Norms for Patrolling: For 80 km Trnsmission Line - Patrolaman - 1 and Assistant patrolman - 1



## Comparison between the Proposed and Existing Strength in the Technical Wing (Field Office)

**Executives Designations in the Technical Area (Field Office)**

Department	Proposed	Existing
GM	5	4
DGM	13	13
CM/SM	34	18
Manager/AM	82	45
JM/ JE	72	16
<b>Total</b>	<b>206</b>	<b>96</b>