

# Appendices

## Appendix I

(Referred to in paragraph 3.2.8 at page 32 and 33)

### Details of collection efficiency in respect of rural consumers

PARTICULARS		2017-18		2018-19				2019-20			
		DS-I (A)	DS-I (B)	DSI (A)	DSI (A) excluding subsidy	DSI (B)	DSI (B) excluding subsidy	DSI (A)	DSI (A) excluding subsidy	DSI (B)	DSI (B) excluding subsidy
D	Total Units sold (MU)	1092.08	2516.66	1032.24	1032.24	2809.12	2809.12	1214.14	1214.14	2628.09	2628.09
E	Total Revenue from Sale of Energy (₹ in crore)	106.07	260.71	400.68	216.13	537.18	439.96	755.70	316.49	836.57	515.94
F	Adjusted Revenue from Sale of Energy (Adjustment of Revenue Grant) <sup>140</sup> (₹ in crore)	106.07	260.71	400.68	216.13	537.18	439.96	755.70	316.49	836.57	515.94
G	Opening debtors for sale of energy (₹ in crore)	252.66	170.53	337.05	337.05	315.15	315.15	519.76	519.76	549.35	549.35
H	Closing debtors for sale of energy (₹ in crore)	337.05	315.15	519.76	519.76	549.35	549.35	792.00	792.00	865.03	865.03
	(i) Closing debtors for sale of energy (₹ in crore)	337.05	315.15	519.76	519.76	549.35	549.35	792.00	792.00	865.03	865.03
	(ii) Any write off (₹ in crore)	0	0	0	0	0	0	0	0	0	0
I	Adjusted closing debtors (₹ in crore)(i+ii)	337.05	315.15	519.76	519.76	549.35	549.35	792.00	792.00	865.03	865.03
	Collection Efficiency (per cent) without Adjusted Revenue ((F+G/I)/E*100)	20.44	44.53	54.40	15.46	56.40	46.77	63.97	13.98	62.26	38.81

(Source: Compiled from information furnished by JBVNL)

<sup>140</sup> GoJ has provided resource gap funding up to 2017-18 and from 2018-19 started providing subsidy. Total Subsidy booked and received of ₹ 184.55 crore and ₹ 439.21 crore under DS-I (A) tariff and ₹ 97.22 crore and ₹ 320.63 crore under DS-I (B) for the year 2018-19 and 2019-20 respectively.

**Appendix II**  
(Referred to in paragraph 3.2.9 at page 33)

**Statement showing Aggregate Technical and Commercial losses (AT&C)**

COMPUTATION OF AT&C LOSS					
PARTICULARS		2016-17	2017-18	2018-19	2019-20
A	Gross energy purchased (lakh unit)	12,48,93.38	1,28,781.39	1,28,603.64	1,26,193.99
B	Transmission losses (lakh unit)	8,927.89	9,378.94	8,562.08	5,179.76
C	Net input energy (lakh unit)	1,15,965.49	1,19,402.45	1,20,041.56	1,21,014.23
D	Total units sold (lakh unit) (% of C)	87,210.72(75)	93,137.26(78)	92,775.51(77)	93,148.93(77)
E	Total revenue from sale of energy including revenue grant <sup>141</sup> (₹ in lakh)	3,93,862.86	6,59,387.60	5,07,410.27	6,40,507.35
F	Adjusted revenue - adjustment of revenue grant (nil) <sup>142</sup> - ₹ in lakh	3,93,862.86	6,59,387.60	5,07,410.27	6,42,604.08
G	Opening debtors for sale of energy-₹ in lakh	4,00,951.30	4,89,275.99	5,89,080.95	6,28,302.69
H	Closing debtors for sale of energy-₹ in lakh	4,37,614.56	5,89,079.74	6,28,302.69	7,17,512.36
	i) Closing debtors for sale of energy-₹ in lakh	4,37,614.56	5,89,079.74	6,28,302.69	7,17,512.36
	ii) Any write off	0	0	0	0
I	Adjusted closing debtors-₹ in lakh (i+ii)	4,37,614.56	5,89,079.74	6,28,302.69	7,17,512.36
J	Collection efficiency (per cent) (F+G-I)/E	90.69	84.86	92.27	86.40
K	Units realised (lakh unit) (D*J) (% of D)	79,091.40(91)	79,036.28(85)	85,603.96(92)	80,480.68(86)
L	Units unrealised (lakh unit) (C-K)	36,874.09	40,366.17	34,437.60	40,533.55
M	AT & C Loss ( per cent) (L/C)	31.80	33.81	28.69	33.49

(Source: compiled from data furnished by JBVNL)

<sup>141</sup> (2016-17- ₹ 1200 crore, 2017-18- ₹ 2999.99 crore; 2018-19-₹ 1250 crore, and 2019-20- ₹ 600 crore)

<sup>142</sup> (2017-18-revenue booked - ₹ 2999.99 crore received- ₹ 2999.99 crore; 2018-19-revenue booked - ₹ 1250 crore, received-₹ 1250 crore and 2019-20-revenue booked - ₹ 600 crore, received-₹ 600 crore)

**Appendix III**  
(Referred to in paragraph 5.2 at page 43)

**Details of PSS to be augmented and achievement thereagainst**

Name of district	Scheme	No. of PSS to be augmented	Capacity of PSS to be augmented (MVA)	No. of PSS augmented	Capacity of PSS augmented (MVA)
Dhanbad	XII FYP	3	15	3	15
	DDUGJY	3	15	3	15
Deoghar	XII FYP	1	5	1	5
	DDUGJY	2	8.7	2	8.7
Pakur	XII FYP	0	-	0	-
	DDUGJY	1	5	0	0
Palamu	XII FYP	-	-	-	-
	DDUGJY	4	20	2	10
Giridih	XII FYP	7	60	7	60
	DDUGJY	1	10	1	10
Dumka	XII FYP	0	0	0	0
	DDUGJY	5	25	5	25
Ranchi	XII FYP	0	0	0	0
	DDUGJY	7	40	7	40
<b>Total</b>	<b>XII FYP</b>	<b>11</b>	<b>80</b>	<b>11</b>	<b>80</b>
	<b>DDUGJY</b>	<b>23</b>	<b>123.7</b>	<b>20</b>	<b>108.7</b>
<b>Grand Total</b>		<b>34</b>	<b>203.7</b>	<b>31</b>	<b>188.7</b>

(Source: Compiled from data furnished by ESCs of JBVNL)

**Appendix IV**  
(Referred to in paragraph 5.4 at page 44)

**Statement showing details of excess DTrs installed**

District	Scheme	BPL connections loaded on transformer	APL connections loaded on transformer	Public places connection loaded on transformer	Total Load on transformer installed (KVA)	No. of DTr installed		Capacity of DTrs	Percent of maximum load on DTr(80 per cent)	Percent of load on DTR	Total DTrs required keeping load growth of five years	Excess KVA installed	Excess 25 KVA DTrs capacity installed (KVA)
						25 KVA	63 KVA						
(1)	(2)	(3)	(4)	(5)	(6)={(3)x0.25+(4)x0.5+(5)x1} x1.176	(7)	(8)	(9) = (7)x25 + (8) x63	(10) = (9)x0.8	(11)= (6)/(9)x100	(12)	(13) = (09) - (12)	(14) = (13)/25
Palamu	12th Plan	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
	DDUGJY	1991	1902	0	1703.73	961	0	24025	19220	7.09	2743.87	21281.13	851.25
Dhanbad	12th Plan	13398	1237	0	4666.37	821	264	37157	29725.6	12.56	7515.23	29641.77	1185.67
	DDUGJY	13975	6525	347	8353.42	743	0	18575	14860	44.97	13453.27	5121.73	204.87
Deoghar	12th Plan	24150	19248	453	18950.65	1798	64	48982	39185.6	38.69	30520.21	18461.79	738.47
	DDUGJY	2405	7666	246	5503.97	972	0	24300	19440	22.65	8864.21	15435.79	617.43
Pakur	12th Plan	16183	5556	377	8468.08	1652	231	55853	44682.4	15.16	13637.93	42215.07	1688.60
	DDUGJY	167	12202	55	7288.55	910	0	22750	18200	32.04	11738.29	11011.71	440.47
Giridih	12th Plan	13620	4000	855	7361.76	1736	0	43400	34720	16.96	11856.19	31543.81	1261.75
	DDUGJY	43004	43479	1010	39396.59	3874	0	96850	77480	40.68	63448.60	33401.40	1336.06
Ranchi	12th Plan	30400	23331	493	23236.00	2314	0	57850	46280	40.17	37421.80	20428.20	817.13
	DDUGJY	13111	8374	373	9217.19	2745	0	68625	54900	13.43	14844.38	53780.62	2151.22
Dumka	12th Plan	0	0	0	0.00	0	0	0	0	0.00	0.00	0.00	0.00
	DDUGJY	18783	30416	0	23406.81	5415	0	135375	108300	17.29	37696.90	97678.10	3907.12
<b>Total</b>		<b>191187</b>	<b>163936</b>	<b>4209</b>	<b>157553.12</b>	<b>23941</b>	<b>559</b>	<b>633742</b>	<b>506993.6</b>	<b>301.69</b>	<b>253740.88</b>	<b>380001.12</b>	<b>15200.04</b>

(Source: Compiled from information furnished by ESCs/JBVNL)

## Appendix V

(Referred to in paragraph 5.5 and 5.6 at page 45 and 47)

### Details of erection of HT/LT lines vis-à-vis HT/LT PCC poles

Particular of works	Length of HT line erected (in Km)	No. of HT poles erected	No. of HT poles required at the rate of 18 poles per Km	No. of HT pole erected in excess of requirement	Length of LT line erected (Km)	No. of LT poles erected	No. of LT poles required at the rate of 25 poles per Km	No. of HT pole erected in excess of requirement
1	2	3	4 (2*18)	5 (3-4)	6	7	8 (6*25)	9 (7-8)
Giridih (XII FYP)	376.33	11361	6774	4587	1234.08	36240	30852	5388
Giridih (DDUGJY)	807.34	18486	14532	4146	1944.64	59272	48616	10656
Deoghar (XII FYP)	543.07	11154	9775	2433	1144.27	33281	28607	4674
Deoghar (DDUGJY)	652	15903	11736	4172	880.76	25210	22019	3191
Dhanbad (XII FYP)	150.17	5784	2703	3081	714.52	25094	17863	7231
Dhanbad (DDUGJY)	125.24	3936	2254	1604	530.96	14682	13274	1408
Pakur (XII FYP)	335	11712	6030	5682	1089.1	27228	27228	0
Pakur (DDUGJY)	63.81	2598	1149	1449	462.22	8702	11556	-2854
Dumka (DDUGJY)	1394.86	25406	25107	299	3635.84	92723	90896	1827
Palamu (DDUGJY)	321.08	5781	5780	1	1984.49	50159	49612	547
Ranchi (XII FYP)	817.72	22022	14719	8238	1837.12	50571	45928	4643
Ranchi (DDUGJY)	1326.92	27924	23885	4039	2481.47	68067	62037	6030
<b>Total</b>	<b>6913.54</b>	<b>162067</b>	<b>124444</b>	<b>39731</b>	<b>17939.47</b>	<b>491229</b>	<b>448488</b>	<b>42741</b>

(Source: Compiled from data furnished by ESCs of JBVNL)

**Appendix VI**  
(Referred to in paragraph 5.8 at page 48)  
**Scope vis-à-vis achievement of JSBAY**

Sl. No.	Activity	Unit	JSBAY –I				JSBAY –II			
			Scope	Survey Quantity	Achievement	Percentage of achievement	Scope	Survey Quantity	Achievement	Percentage of achievement
1	New 33KV Line	Ckm	2108.35	1330.19	797.51	59.95	1731.8	956.17	97.78	10.28
2	Reconductoring/ Strengthening of 33KV line	Ckm	1477.17	2419.06	685.58	28.34	0	0	0	0
3	New 11 KV line	Ckm	1685	756.19	384.20	50.81	1745.43	1949.09	355.07	18.22
4	Reconductoring/Strengthening of 11KV line	Ckm	2148.86	3157.40	1630.14	51.63	2447.46	1298.06	237.61	18.31
5	New 33/11KV PSS (2x5 MVA)	Nos.	50	44	9	20.45	120	85	0	0
6	Additional / R&M PSS	Nos.	148	186	58	31.18	0	0	0	0
7	New 33KV Bay	Nos.	51	61	22	36.07	0	0	0	0
8	LT New Line	Ckm	0	0	0		1477.73	1137.41	467.50	41.10
9	LT Line reconductoring	Ckm	0	0	0		3094.58	1664.77	289.44	17.39
10	Distribution Transformer (DTR)	Nos.	0	0	0		6076	3058.00	1024	33.49
11	Replacement of Distribution Transformer	Nos.	0	0	0		3174	827	357	45.34
12	Agriculture feeders	Nos.	0	0	0		0	79.08	10.37	13.11
13	33KV new feeder line	Nos.	0	0	0	0	119	85	0	0

(Source: Compiled from information furnished by JBVNL)

**Appendix VII**  
(Referred to in paragraph 6.4 at page 56)

**Interest repayment to REC at higher rate on loan component under DDUGJY**

(Amount in ₹)

Disbursement Tranche	from	to	Days	Date of first disbursement	O/S amount	RoI	Interest charged	Interest to be charged	Excess charged	Penal Interest
3	15/03/2019	19/03/2019	5	15/03/2019	14,29,95,000	10	1,95,884	1,86,089	9,794	0
3	28/03/2019	19/06/2019	84	28/03/2019	16,11,07,500	10	37,07,679	35,22,295	1,85,384	0
3	28/03/2019	19/06/2019	84	28/03/2019	11,46,45,000	10	26,38,405	25,06,485	1,31,920	0
3	28/03/2019	19/06/2019	84	28/03/2019	7,62,22,500	10	17,54,162	16,66,454	87,708	0
4	25/06/2019	19/09/2019	87	25/06/2019	3,48,21,000	10	8,29,980	7,88,481	41,499	0
5	09/09/2019	19/09/2019	11	09/09/2019	2,32,14,000	10	69,960	66,462	3,498	0
4	25/06/2019	19/09/2019	87	25/06/2019	4,33,89,000	10	10,34,204	9,82,493	51,710	0
5	09/09/2019	19/09/2019	11	09/09/2019	2,89,26,000	10	87,174	82,816	4,359	0
4	25/06/2019	19/09/2019	87	25/06/2019	7,98,21,000	10	19,02,583	18,07,454	95,129	0
5	09/09/2019	19/09/2019	11	09/09/2019	5,32,14,000	10	1,60,371	1,52,352	8,019	0
4	25/06/2019	19/09/2019	87	25/06/2019	5,46,07,500	10	13,01,603	12,36,523	65,080	0
5	09/09/2019	19/09/2019	11	09/09/2019	3,64,05,000	10	1,09,714	1,04,228	5,486	0
3	20/06/2019	19/09/2019	92	15/03/2019	14,29,95,000	10.8	38,74,577	34,24,045	4,50,532	0
4	19/06/2019	19/09/2019	63	19/06/2019	8,57,97,000	10	14,80,880	14,06,836	74,044	0
4	25/06/2019	19/09/2019	87	25/06/2019	10,64,74,500	10	25,37,885	24,10,991	1,26,894	0
5	09/09/2019	19/09/2019	11	09/09/2019	7,09,83,000	10	2,13,921	2,03,225	10,696	0
4	26/06/2019	19/09/2019	86	26/06/2019	11,83,90,500	10	27,89,475	26,50,001	1,39,474	0
5	09/09/2019	19/09/2019	11	09/09/2019	7,89,27,000	10	2,37,862	2,25,969	11,893	0
4	19/07/2019	19/09/2019	63	19/07/2019	5,30,59,500	10	9,15,822	8,70,030	45,791	0
5	09/09/2019	19/09/2019	11	09/09/2019	3,53,73,000	10	1,06,604	1,01,273	5,330	0
4	19/07/2019	19/09/2019	63	19/07/2019	8,65,71,000	10	14,94,239	14,19,527	74,712	0
5	09/09/2019	19/09/2019	11	09/09/2019	5,77,14,000	10	1,73,933	1,65,236	8,697	0
4	26/06/2019	19/09/2019	86	26/06/2019	8,74,53,000	10	20,60,536	19,57,510	1,03,027	0

Disbursement Tranche	from	to	Days	Date of first disbursement	O/S amount	RoI	Interest charged	Interest to be charged	Excess charged	Penal Interest
5	09/09/2019	19/09/2019	11	09/09/2019	5,83,02,000	10	1,75,705	1,66,919	8,785	0
4	25/06/2019	19/09/2019	87	25/06/2019	5,62,50,000	10	13,40,753	12,73,716	67,038	0
5	09/09/2019	19/09/2019	11	09/09/2019	3,75,00,000	10	1,13,014	1,07,363	5,651	0
4	25/06/2019	19/09/2019	87	25/06/2019	3,10,63,500	10	7,40,418	7,03,397	37,021	0
5	09/09/2019	19/09/2019	11	09/09/2019	2,07,09,000	10	62,411	59,290	3,121	0
4	25/06/2019	19/09/2019	87	25/06/2019	7,48,80,000	10	17,84,811	16,95,570	89,241	0
5	09/09/2019	19/09/2019	11	09/09/2019	4,99,20,000	10	1,50,444	1,42,922	7,522	0
4	25/06/2019	19/09/2019	87	25/06/2019	4,51,48,500	10	10,76,142	10,22,335	53,807	0
5	09/09/2019	19/09/2019	11	09/09/2019	3,00,99,000	10	90,709	86,174	4,535	0
3	19/07/2019	19/09/2019	63	19/07/2019	12,21,84,000	10	21,08,929	20,03,483	1,05,446	0
4	09/09/2019	19/09/2019	11	09/09/2019	3,05,46,000	10	92,056	87,454	4,603	0
4	19/07/2019	19/09/2019	63	19/07/2019	14,03,19,000	10	24,21,944	23,00,847	1,21,097	0
5	09/09/2019	19/09/2019	11	09/09/2019	9,35,46,000	10	2,81,919	2,67,823	14,096	0
3	20/06/2019	19/09/2019	92	28/03/2019	16,11,07,500	10	40,60,792	38,57,752	2,03,040	0
4	19/07/2019	19/09/2019	63	19/07/2019	9,66,64,500	10	16,68,456	15,85,033	83,423	0
5	09/09/2019	19/09/2019	11	09/09/2019	6,44,43,000	10	1,94,212	1,84,501	9,711	0
3	20/06/2019	19/09/2019	92	28/03/2019	11,46,45,000	10	28,89,682	27,45,198	1,44,484	0
4	19/07/2019	19/09/2019	63	19/07/2019	6,87,87,000	10	11,87,282	11,27,918	59,364	0
5	09/09/2019	19/09/2019	11	09/09/2019	4,58,58,000	10	1,38,202	1,31,292	6,910	0
4	25/06/2019	19/09/2019	87	25/06/2019	3,11,13,000	10	7,41,598	7,04,518	37,080	0
5	09/09/2019	19/09/2019	11	09/09/2019	2,07,42,000	10	62,510	59,385	3,126	0
4	25/06/2019	19/09/2019	87	25/06/2019	11,71,35,000	10	27,91,985	26,52,386	1,39,599	0
5	09/09/2019	19/09/2019	11	09/09/2019	7,80,90,000	10	2,35,340	2,23,573	11,767	0
3	20/06/2019	19/09/2019	92	28/03/2019	7,62,22,500	10	19,21,225	18,25,163	96,061	0
4	19/07/2019	19/09/2019	63	19/07/2019	4,57,33,500	10	7,89,373	7,49,904	39,469	0
5	09/09/2019	19/09/2019	11	09/09/2019	3,04,89,000	10	91,885	87,290	4,594	0
4	19/07/2019	19/09/2019	63	19/07/2019	4,56,07,500	10	7,87,198	7,47,838	39,360	0



Disbursement Tranche	from	to	Days	Date of first disbursement	O/S amount	RoI	Interest charged	Interest to be charged	Excess charged	Penal Interest
5	09/09/2019	19/09/2019	11	09/09/2019	3,04,05,000	10	91,632	87,050	4,582	0
4	19/07/2019	19/09/2019	63	19/07/2019	6,24,46,500	10	10,77,844	10,23,952	53,892	0
5	09/09/2019	19/09/2019	11	09/09/2019	4,16,31,000	10	1,25,463	1,19,190	6,273	0
4	20/09/2019	19/12/2019	91	25/06/2019	3,48,21,000	10	8,68,140	8,24,733	43,407	0
5	20/09/2019	19/12/2019	91	09/09/2019	2,32,14,000	10	5,78,760	5,49,822	28,938	0
4	20/09/2019	19/12/2019	91	25/06/2019	4,33,89,000	10	10,81,753	10,27,665	54,088	0
5	20/09/2019	19/12/2019	91	09/09/2019	2,89,26,000	10	7,21,169	6,85,110	36,058	0
4	20/09/2019	19/12/2019	91	25/06/2019	7,98,21,000	10	19,90,058	18,90,555	99,503	0
5	20/09/2019	19/12/2019	91	09/09/2019	5,32,14,000	10	13,26,705	12,60,370	66,335	0
4	20/09/2019	19/12/2019	91	25/06/2019	5,46,07,500	10	13,61,447	12,93,375	68,072	0
5	20/09/2019	19/12/2019	91	09/09/2019	3,64,05,000	10	9,07,632	8,62,250	45,382	0
3	20/09/2019	19/12/2019	91	15/03/2019	14,29,95,000	10.8	38,32,462	33,86,827	4,45,635	0
4	20/09/2019	19/12/2019	91	19/07/2019	8,57,97,000	10	21,39,048	20,32,096	1,06,952	0
4	20/09/2019	19/12/2019	91	25/06/2019	10,64,74,500	10	26,54,570	25,21,841	1,32,728	0
5	20/09/2019	19/12/2019	91	09/09/2019	7,09,83,000	10	17,69,713	16,81,227	88,486	0
4	20/09/2019	19/12/2019	91	26/06/2019	11,83,90,500	10	29,51,654	28,04,071	1,47,583	0
5	20/09/2019	19/12/2019	91	09/09/2019	7,89,27,000	10	19,67,769	18,69,381	98,388	0
4	20/09/2019	19/12/2019	91	19/07/2019	5,30,59,500	10	13,22,853	12,56,711	66,143	0
5	20/09/2019	19/12/2019	91	09/09/2019	3,53,73,000	10	8,81,902	8,37,807	44,095	0
4	20/09/2019	19/12/2019	91	19/07/2019	8,65,71,000	10	21,58,345	20,50,428	1,07,917	0
5	20/09/2019	19/12/2019	91	09/09/2019	5,77,14,000	10	14,38,897	13,66,952	71,945	0
4	20/09/2019	19/12/2019	91	26/06/2019	8,74,53,000	10	21,80,335	20,71,318	1,09,017	0
5	20/09/2019	19/12/2019	91	09/09/2019	5,83,02,000	10	14,53,557	13,80,879	72,678	0
4	20/09/2019	19/12/2019	91	25/06/2019	5,62,50,000	10	14,02,397	13,32,277	70,120	0
5	20/09/2019	19/12/2019	91	09/09/2019	3,75,00,000	10	9,34,932	8,88,185	46,747	0
4	20/09/2019	19/12/2019	91	25/06/2019	3,10,63,500	10	7,74,460	7,35,737	38,723	0
5	20/09/2019	19/12/2019	91	09/09/2019	2,07,09,000	10	5,16,307	4,90,491	25,815	0

Disbursement Tranche	from	to	Days	Date of first disbursement	O/S amount	RoI	Interest charged	Interest to be charged	Excess charged	Penal Interest
4	20/09/2019	19/12/2019	91	25/06/2019	7,48,80,000	10	18,66,871	17,73,528	93,344	0
5	20/09/2019	19/12/2019	91	09/09/2019	4,99,20,000	10	12,44,581	11,82,352	62,229	0
4	20/09/2019	19/12/2019	91	25/06/2019	4,51,48,500	10	11,25,620	10,69,339	56,281	0
5	20/09/2019	19/12/2019	91	09/09/2019	3,00,99,000	10	7,50,413	7,12,893	37,521	0
3	20/09/2019	19/12/2019	91	19/07/2019	12,21,84,000	10	30,46,231	28,93,920	1,52,312	0
4	20/09/2019	19/12/2019	91	09/09/2019	3,05,46,000	10	7,61,558	7,23,480	38,078	0
4	20/09/2019	19/12/2019	91	19/07/2019	14,03,19,000	10	34,98,364	33,23,446	1,74,918	0
5	20/09/2019	19/12/2019	91	09/09/2019	9,35,46,000	10	23,32,243	22,15,631	1,16,612	0
3	20/09/2019	19/12/2019	91	28/03/2019	16,11,07,500	10	40,16,653	38,15,820	2,00,833	0
4	20/09/2019	19/12/2019	91	19/07/2019	9,66,64,500	10	24,09,992	22,89,492	1,20,500	0
5	20/09/2019	19/12/2019	91	09/09/2019	6,44,43,000	10	16,06,661	15,26,328	80,333	0
3	20/09/2019	19/12/2019	91	28/03/2019	11,46,45,000	10	28,58,273	27,15,359	1,42,914	0
4	20/09/2019	19/12/2019	91	19/07/2019	6,87,87,000	10	17,14,964	16,29,215	85,748	0
5	20/09/2019	19/12/2019	91	09/09/2019	4,58,58,000	10	11,43,309	10,86,144	57,165	0
4	20/09/2019	19/12/2019	91	25/06/2019	3,11,13,000	10	7,75,694	7,36,909	38,785	0
5	20/09/2019	19/12/2019	91	09/09/2019	2,07,42,000	10	5,17,129	4,91,273	25,856	0
4	20/09/2019	19/12/2019	91	25/06/2019	11,71,35,000	10	29,20,352	27,74,334	1,46,018	0
5	20/09/2019	19/12/2019	91	09/09/2019	7,80,90,000	10	19,46,901	18,49,556	97,345	0
3	20/09/2019	19/12/2019	91	28/03/2019	7,62,22,500	10	19,00,342	18,05,325	95,017	0
4	20/09/2019	19/12/2019	91	19/07/2019	4,57,33,500	10	11,40,205	10,83,195	57,010	0
5	20/09/2019	19/12/2019	91	09/09/2019	3,04,89,000	10	7,60,137	7,22,130	38,007	0
4	20/09/2019	19/12/2019	91	19/07/2019	4,56,07,500	10	11,37,064	10,80,211	56,853	0
5	20/09/2019	19/12/2019	91	09/09/2019	3,04,05,000	10	7,58,042	7,20,140	37,902	0
4	20/09/2019	19/12/2019	91	19/07/2019	6,24,46,500	10	15,56,885	14,79,041	77,844	0
5	20/09/2019	19/12/2019	91	09/09/2019	4,16,31,000	10	10,37,924	9,86,027	51,896	0
4	20/12/2019	19/03/2020	91	25/06/2019	3,48,21,000	10	8,68,140	8,24,733	43,407	3,140
5	20/12/2019	19/03/2020	91	09/09/2019	2,32,14,000	10	5,78,760	5,49,822	28,938	2,093

Disbursement Tranche	from	to	Days	Date of first disbursement	O/S amount	RoI	Interest charged	Interest to be charged	Excess charged	Penal Interest
4	20/12/2019	19/03/2020	91	25/06/2019	4,33,89,000	10	10,81,753	10,27,665	54,088	3,912
5	20/12/2019	19/03/2020	91	09/09/2019	2,89,26,000	10	7,21,169	6,85,110	36,058	2,608
4	20/12/2019	19/03/2020	91	25/06/2019	7,98,21,000	10	19,90,058	18,90,555	99,503	7,197
5	20/12/2019	19/03/2020	91	09/09/2019	5,32,14,000	10	13,26,705	12,60,370	66,335	4,798
4	20/12/2019	19/03/2020	91	25/06/2019	5,46,07,500	10	13,61,447	12,93,375	68,072	4,924
5	20/12/2019	19/03/2020	91	09/09/2019	3,64,05,000	10	9,07,632	8,62,250	45,382	3,282
3	20/12/2019	19/03/2020	91	15/03/2019	14,29,95,000	10.8	38,32,462	33,86,827	4,45,635	13,860
4	20/12/2019	19/03/2020	91	19/07/2019	8,57,97,000	10	21,39,048	20,32,096	1,06,952	7,736
4	20/12/2019	19/03/2020	91	25/06/2019	10,64,74,500	10	26,54,570	25,21,841	1,32,728	9,600
5	20/12/2019	19/03/2020	91	09/09/2019	7,09,83,000	10	17,69,713	16,81,227	88,486	6,400
4	20/12/2019	19/03/2020	91	26/06/2019	11,83,90,500	10	29,51,654	28,04,071	1,47,583	10,674
5	20/12/2019	19/03/2020	91	09/09/2019	7,89,27,000	10	19,67,769	18,69,381	98,388	7,116
4	20/12/2019	19/03/2020	91	19/07/2019	5,30,59,500	10	13,22,853	12,56,711	66,143	4,784
5	20/12/2019	19/03/2020	91	09/09/2019	3,53,73,000	10	8,81,902	8,37,807	44,095	3,189
4	20/12/2019	19/03/2020	91	19/07/2019	8,65,71,000	10	21,58,345	20,50,428	1,07,917	7,806
5	20/12/2019	19/03/2020	91	09/09/2019	5,77,14,000	10	14,38,897	13,66,952	71,945	5,204
4	20/12/2019	19/03/2020	91	26/06/2019	8,74,53,000	10	21,80,335	20,71,318	1,09,017	7,885
5	20/12/2019	19/03/2020	91	09/09/2019	5,83,02,000	10	14,53,557	13,80,879	72,678	5,257
4	20/12/2019	19/03/2020	91	25/06/2019	5,62,50,000	10	14,02,397	13,32,277	70,120	5,072
5	20/12/2019	19/03/2020	91	09/09/2019	3,75,00,000	10	9,34,932	8,88,185	46,747	3,381
4	20/12/2019	19/03/2020	91	25/06/2019	3,10,63,500	10	7,74,460	7,35,737	38,723	2,801
5	20/12/2019	19/03/2020	91	09/09/2019	2,07,09,000	10	5,16,307	4,90,491	25,815	1,867
4	20/12/2019	19/03/2020	91	25/06/2019	7,48,80,000	10	18,66,871	17,73,528	93,344	6,751
5	20/12/2019	19/03/2020	91	09/09/2019	4,99,20,000	10	12,44,581	11,82,352	62,229	4,501
4	20/12/2019	19/03/2020	91	25/06/2019	4,51,48,500	10	11,25,620	10,69,339	56,281	4,071
5	20/12/2019	19/03/2020	91	09/09/2019	3,00,99,000	10	7,50,413	7,12,893	37,521	2,714
3	20/12/2019	19/03/2020	91	19/07/2019	12,21,84,000	10	30,46,231	28,93,920	1,52,312	11,017

Disbursement Tranche	from	to	Days	Date of first disbursement	O/S amount	RoI	Interest charged	Interest to be charged	Excess charged	Penal Interest
4	20/12/2019	19/03/2020	91	09/09/2019	3,05,46,000	10	7,61,558	7,23,480	38,078	2,754
4	20/12/2019	19/03/2020	91	19/07/2019	14,03,19,000	10	34,98,364	33,23,446	1,74,918	12,652
5	20/12/2019	19/03/2020	91	09/09/2019	9,35,46,000	10	23,32,243	22,15,631	1,16,612	8,434
3	20/12/2019	19/03/2020	91	28/03/2019	16,11,07,500	10	40,16,653	38,15,820	2,00,833	14,526
4	20/12/2019	19/03/2020	91	19/07/2019	9,66,64,500	10	24,09,992	22,89,492	1,20,500	8,716
5	20/12/2019	19/03/2020	91	09/09/2019	6,44,43,000	10	16,06,661	15,26,328	80,333	5,810
3	20/12/2019	19/03/2020	91	28/03/2019	11,46,45,000	10	28,58,273	27,15,359	1,42,914	10,337
4	20/12/2019	19/03/2020	91	19/07/2019	6,87,87,000	10	17,14,964	16,29,215	85,748	6,202
5	20/12/2019	19/03/2020	91	09/09/2019	4,58,58,000	10	11,43,309	10,86,144	57,165	4,135
4	20/12/2019	19/03/2020	91	25/06/2019	3,11,13,000	10	7,75,694	7,36,909	38,785	2,805
5	20/12/2019	19/03/2020	91	09/09/2019	2,07,42,000	10	5,17,129	4,91,273	25,856	1,870
4	20/12/2019	19/03/2020	91	25/06/2019	11,71,35,000	10	29,20,352	27,74,334	1,46,018	10,561
5	20/12/2019	19/03/2020	91	09/09/2019	7,80,90,000	10	19,46,901	18,49,556	97,345	7,041
3	20/12/2019	19/03/2020	91	28/03/2019	7,62,22,500	10	19,00,342	18,05,325	95,017	6,872
4	20/12/2019	19/03/2020	91	19/07/2019	4,57,33,500	10	11,40,205	10,83,195	57,010	4,123
5	20/12/2019	19/03/2020	91	09/09/2019	3,04,89,000	10	7,60,137	7,22,130	38,007	2,749
4	20/12/2019	19/03/2020	91	19/07/2019	4,56,07,500	10	11,37,064	10,80,211	56,853	4,112
5	20/12/2019	19/03/2020	91	09/09/2019	3,04,05,000	10	7,58,042	7,20,140	37,902	2,741
4	20/12/2019	19/03/2020	91	19/07/2019	6,24,46,500	10	15,56,885	14,79,041	77,844	5,630
5	20/12/2019	19/03/2020	91	09/09/2019	4,16,31,000	10	10,37,924	9,86,027	51,896	3,754
<b>Total</b>									<b>11717524</b>	<b>289464</b>
<b>Grand Total with penal Interest</b>									<b>12006988</b>	

(Source: Records at JBVNL Headquarters)

### Appendix VIII

(Referred to in paragraph 7.1.1 at page 61)

Statement showing minimum technical criteria vis-à-vis technical criteria submitted by JV of Anvil cables and Shikha Electrical in Bokaro, Dhanbad and Giridih districts under RGGVY (XII FYP)

Particulars	Unit	Minimum technical criteria required			Technical criteria submitted and considered by TEC of JV for all three districts		Proportionate qualified criteria in the ratio of its share in JV
		Dhanbad	Giridih	Bokaro	Anvil cables	Shikha Electric Stores	
PSS/GSS	No.	Two PSS or One GSS	Two PSS or One GSS	Two PSS or One GSS	0	Two PSS	0.4 i.e., less than one PSS (0*80 per cent+2*20 per cent)
Line length	KM	37.3	64.297	66.171	0	222.55	44.51 km i.e., (0*80 per cent+222.55*20 per cent)
DTR capacity	No.	141	204	228	0	261	52.2 i.e., less than 53 (0*80 per cent+261*20 per cent)

(Source: Records at JBVNL Headquarters)

**Appendix IX**

*(Referred to in paragraph 7.1.2 at page 64)*

**Statement showing minimum technical criteria vis-à-vis technical criteria submitted by IL&FS w.r.t. District –Sahibganj**

Technical					Commercial	
Scope	Lines (EHT + 33 kV + 11 kV + LT) (Ckm)	Submitted Lines experience (Ckm) (per cent)	Transformation Capacity (PTR + DTR) (MVA)	Submitted Transformation Capacity ( MVA) (per cent)	Value (in crore)	Submitted (per cent)
100 <i>per cent</i> Scope	7503		415		2362.63	
50 <i>per cent</i> Scope (In case of Single Turnkey Contact)	3751.5	1978.40 (53)	207.5	83.5 (40)	1181.32	115.732 (10)
40 <i>per cent</i> Scope (In case of Two Turnkey Contacts)	3001.2	1748.00 (58)	166	41.55 (25)	945.05	115.732 & 99.225 (23)
30 <i>per cent</i> Scope (In case of Three Turnkey Contacts)	2250.9	61.68 (03)	124.5	120 (96)	708.79	115.732, 99.225 & 95.03 (44)

*(Source: Records at JBVNL Headquarters)*

### Appendix X

(Referred to in paragraph 7.1.2 at page 64)

Statement showing minimum technical criteria vis-à-vis technical criteria submitted by IL&FS w.r.t. West Singhbhum and East Singhbhum districts

Technical					Commercial	
Scope	Lines (EHT + 33 kV + 11 kV + LT)	Submitted Lines experience (Ckm) (per cent)	Transformation Capacity (PTR + DTR)	Submitted Transformation Capacity (MVA) (per cent)	Value (in crore)	Submitted (per cent)
100 <i>per cent</i> Scope	<b>3211.18</b>		<b>203.45</b>		<b>358.56</b>	
50 <i>per cent</i> Scope (In case of Single Turnkey Contact)	1605.59	2500.38 (156)	101.725	31.116 (31)	179.28	130.88 (73)
40 <i>per cent</i> Scope (In case of Two Turnkey Contacts)	1284.472	1978.38 (154)	81.38	83.503 (103)	143.42	69.08 (48)
30 <i>per cent</i> Scope (In case of Three Turnkey Contacts)	963.354		61.035		107.57	
<b>Contractor did not fulfil the minimum criteria. However work were awarded considering work not completed.</b>						

(Source: Records at JBVNL Headquarters)

**Appendix XI**  
(Referred to in paragraph 7.2 at page 69)

**Statement showing price escalation in East Singhbhum, West Singhbhum, Sahibganj and Pakur Packages**

₹ in crore

Sl. No	Name of package	Name of TKC	Awarded cost of the project	Sanctioned cost as per 2014/15 SOR	Cost as per 2018/19 SOR DPR	Work completed	Left over work against sanctioned cost	Present value of left over work as per cost data 2018-19 against sanctioned DPR	Additional DPR approved by REC	Re-Tender	Sanctioned cost for tender	Total value pkg wise	Price escalation as per 2018/19 SOR
1	2	3	4	5	6	7	8=(5-7)	9	10	11	12	13=(8+10)	15=(9-8)
1	East Singhbhum	M/s. IL&FS Engineering and construction company Ltd.	169.27	151.88	206.93	16.95	134.93	189.98	0.00	Pkg/ I Suncity Enterprises	71.22	134.93	55.05
										Pkg 2/ Anvil Cable Pvt. Ltd.	63.71		
2	West Singhbhum	M/s. IL&FS Engineering and construction company Ltd.	232.39	206.68	397.22	31.89	174.79	365.33	79.06	Pkg/1 Anvil Cable Pvt. Ltd	63.83	253.85	190.54
										Pkg/2 Gopi Krishna Infrastructure	65.91		
										Pkg/3 Ekckra Electrical Works	58.33		
										Pkg/4 Gopi Krishna Infrastructure	65.78		
3	Sahibganj	M/s. IL&FS Engineering and construction company Ltd.	222.70	101.52	217.74	26.56	74.96	179.79	41.13	Pkg 1/ Jackson Ltd.	57.12	116.09	104.83
										Pkg/2 Jackson Ltd.	58.97		
4	Pakur	M/s. IL&FS Engineering and construction company Ltd.		101.80	138.07	26.56	75.24	98.88	14.87	Pkg 1/ Gopi Krishna Infrastructure	90.11	90.11	23.64
<b>Total</b>			<b>624.36</b>	<b>561.88</b>	<b>959.96</b>	<b>101.96</b>	<b>459.92</b>	<b>833.98</b>	<b>135.06</b>		<b>594.98</b>	<b>594.98</b>	<b>374.06</b>

(Source: Records at JBVNL Headquarters)



**Appendix XII**  
(Referred to in paragraph 7.3 at page 70)

Scope vis-à-vis achievement of SAUBHAGYA

Name of the ESC	No. of Work Orders	Value (in crore)	No. of Work Orders within DoFP	Value (in crore)	No. of Work Orders split to bring in within DoFP	Value (in crore)	No. of Work Orders above DoFP	Value (in crore)	Agreement done	Agreement done without taking security deposit	Agreement done taking less security deposit
Ranchi	46	14.18	40	8.25	10	2.25	6	5.93	53	12	0
Giridih	19	13.61	8	2.19	3	0.58	11	11.43	10	4	0
Deoghar	16	5.94	16	5.94	14	5.34	0	0	5	1	4
Dhanbad	28	5.58	28	5.58	22	4.74	0	0	12	11	0
Pakur	2	1.65	1	0.15	0	0	1	1.50	1	0	0
Palamu	10	2.85	10	2.85	5	1.5	0	0	10	0	10
Dumka	5	1.35	5	1.35	0	0	0	0	5	3	1
<b>Total</b>	<b>126</b>	<b>45.16</b>	<b>108</b>	<b>26.31</b>	<b>54</b>	<b>14.41</b>	<b>18</b>	<b>18.86</b>	<b>96</b>	<b>31</b>	<b>15</b>

(Source: Records at ESCs)

**Appendix XIII**  
(Referred to in paragraph 7.4.2 at page 75)

**Scope vis-à-vis achievement of JSBAY**

Name of the ESC	No. of Work Orders	Value (in crore)	No. of Work Orders with DoFP	Value (in crore)	No. of Work Orders split to bring within DoFP	Value (in crore)	No. of Work Orders above DoFP	Value (in crore)	Agreement done	Agreement done without taking security deposit	Agreement done taking less security deposit
Ranchi	56	5.83	56	5.83	0	0	0	0	43	0	8
Giridih	10	7.78	2	0.48	0	0	8	7.30	3		0
Deoghar	45	18.22	43	14.98	40	15.97	2	3.24	15	0	15
Dhanbad	35	8.63	35	8.63	25	6.49	0	0	25	25	0
Pakur	4	1.04	4	1.04	2	0.57	0	0	0	0	0
Palamu	6	0.01	0	0	0	0	0	0	0	0	0
Dumka	6	1.92	6	1.92	6	1.92	0	0	6	0	6
<b>Total</b>	<b>162</b>	<b>43.43</b>	<b>146</b>	<b>32.88</b>	<b>73</b>	<b>24.95</b>	<b>10</b>	<b>10.54</b>	<b>92</b>	<b>25</b>	<b>29</b>

(Source: Records at ESCs)