STATE DISTRIBUTION UTILITIES – SIXTH ANNUAL INTEGRATED RATING FOR FY2017 WITH SPECIAL REFERENCE TO RAJASTHAN DISCOMS

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ABSTRACT

Power is one of the most important drivers of growth in an economy. The power sector has seen a transformational growth in the recent years on various fronts like generation capacity, strengthening of transmission and distribution networks, village electrification, energy efficiency and supply of electricity. Ministry of Power (MoP) is on a mission mode to put in place a robust power sector to power the high economic growth agenda of the country. The electrification of Leisang village in Manipur on 28th April 18 marked the crossing of a historic milestone in achieving 100% village electrification by the country. The objective of "Pradhan Mantri Sahaj Bijli Har Ghar Yojana-(Saubhagya)" scheme is to provide last mile connectivity to all households in rural and urban areas by March 19. The achievement of these two key milestones would totally transform the rural economic landscape; promote inclusive growth and turbocharger the Indian Economy towards a high growth trajectory.

KEYWORDS: Discoms, Integrated Rating, AT&C losses, MoP, PFC, UDAY, Strengths, Concerns.

Introduction

A strong and efficient distribution sector is an essential prerequisite for the development of a robust, self-sustaining power sector. The State Power Sector entities play a major role in power distribution in India and to implement various schemes / majors drawn by MoP several viz. Saubhagya, IPDS, DDUGJY, UDAY, etc. for bringing about improvements in the efficiency of technical, operational, financial and managerial areas of utility functioning. The Integrated Rating Methodology is one of the key initiatives of Government of India to objectively assess the performance of the distribution utilities across various parameters and enable utilities to draw up corrective action plans for improving their performance.

Sixth Annual Integrated exercise report covering 41 state Distribution Utilities spread over 22 States in respect of their performance for FY 17 was released in July, 18. State Power / Energy Deptts . and private Power Sector Distribution Companies are however not covered under integrated rating exercise. ICRA and CARE are the designated rating agencies who have been assigned 21 & 20 utilities respectively. MoP mandated Power Finance Corporation) (PFC) to the rating exercise.

Prior to this five integrated rating exercises covering FY 12, FY 13, FY 14, FY 15 and FY 16 have been completed. The first integrated rating report was released / declared by MoP in March 13, the second in February 14, the third in August 15, the fourth in June 16 and fifth integrated ratings released on 3rd May 17.

This annual integrated rating initiatives that aims at evaluating the operational and financial performance of State Distribution utilities differs from the financial rating exercise as the later measure the extent of ability of an entity to carry out debt servicing liability.

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The details of 41 State Distribution Utilities covered in Sixth Integrated rating are as given below:

	The details of 41 State Distribution Offittes Covered in Sixth Integrated	
S.No.	Name of Utility	State
	Northern Region	
1	Dakshin Haryana Bijli Vitran Nigam Limited	Haryana
2	Uttar Haryana Bijli Vitran Nigam Limited	Haryana
3	Himachal Pradesh State Electricity Board Limited	Himachal Pradesh
4	Punjab State Power Corporation Limited	Punjab
5	Ajmer Vidyut Vitran Nigam Limited	Rajasthan
6	Jodhpur Vidyut Vitran Nigam Limited	Rajasthan
7	Jaipur Vidyut Vitran Nigam Limited	Rajasthan
8	Uttarakhand Power Corporation Limited	Uttarakhand
9	Kanpur Electricity Supply Company Limited	Uttar Pradesh
10	Paschimanchal Vidyut Vitran Nigam Limited	Uttar Pradesh
11	Madhyanchal Vidyut Vitran Nigam Limited	Uttar Pradesh
12	Purvanchal Vidyut Vitran Nigam Limited	Uttar Pradesh
13	Dakshinanchal Vidyut Vitran Nigam Limited	Uttar Pradesh
	Eastern & North-Eastern Region	
14	Assam Power Distribution Company Limited	Assam
15	North Bihar Power Distribution Company Limited	Bihar
16	South Bihar Power Distribution Company Limited	Bihar
17	Jharkhand Bijli Vitran Nigam Limited	Jharkhand
18	Manipur State Power Distribution Company Limited	Manipur
19	Meghalaya Power Distribution Corporation Limited	Meghalaya
20	Tripura State Electricity Corporation Limited	Tripura
21	West Bengal State Electricity Distribution Company Limited	West Bengal
	Western Region	
22	Chhattisgarh State Power Distribution Company Limited	Chhattisgarh
23	Uttar Gujarat Vij Company Limited	Gujarat
24	Dakshin Gujarat Vij Company Limited	Gujarat
25	Madhya Gujarat Vij Company Limited	Gujarat
26	Paschim Gujarat Vij Company Limited	Gujarat
27	Madhya Pradesh Paschim Kshetra Vidyut Vitaran Company Limited	Madhya Pradesh
28	Madhya Pradesh PoorvKshetra Vidyut Vitaran Company Limited	Madhya Pradesh
29	Madhya Pradesh Madhya Kshetra Vidyut Vitaran Company Limited	Madhya Pradesh
30	Maharashtra State Electricity Distribution Company Limited	Maharashtra
	Southern Region	
31	Eastern Power Distribution Company of Andhra Pradesh Limited	Andhra Pradesh
32	Southern Power Distribution Company of Andhra Pradesh Limited	Andhra Pradesh
33	Bangalore Electricity Supply Company Limited	Karnataka
34	Mangalore Electricity Supply Company Limited	Karnataka
35	Gulbarga Electricity Supply Company Limited	Karnataka
36	Chamundeshwari Electricity Supply Corporation Limited	Karnataka
37	Hubli Electricity Supply Company Limited	Karnataka
38	Kerala State Electricity Board Limited	Kerala
39	Tamil Nadu Generation & Distribution Corporation Limited	Tamil Nadu
40	Southern Power Distribution Company of Telangana Limited	Telangana
41	Northern Power Distribution Company of Telangana Limited	Telangana

Rating Approach / Inputs for evaluation of the performance of State Distribution Utilities has been considered in the Sixth Integrating Rating based on the following scoring methodology.

S.No.	Parameters	Weightage / Maximum score
1	Operational & Reform Parameters	52
I)	Operational related	
i)	AT&C Losses	28,-4
ii)	Power purchase	5
iii)	Cost Efficiency	6
iv)	Quality of Service & Digital Payment Facility	6
II)	Reform related	
v)	Access to supply	5
vi)	RPO compliance	2

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2	External Parameters	15
l)	Regulatory	11,-19
II)	Govt. Support	4
3	Financial Parameters	33
l)	Ratios	
Α	Cost Coverage Ratio	15
II)	Sustainability	6
III)	Receivables	4
IV)	Payables	3
V)	Audited Accounts	5,-12
VI)	Audit Qualifications	0,-1
VII)	Default to Banks/FIs	0,-2
	Total	100

Grading Scale and Grades

Score Distribution	Grade	No. of Utilities	Grading Definition
Between 80 and 100	A+	5	Very High Operational and
			Financial Performance Capability
Between 65 and 80	Α	2	High Operational and Financial
			Performance Capability
Between 50 and 65	B+	13	Moderate Operational and
			Financial Performance Capability
Between 35 and 50	В	11	Below Average Operational and
			Financial Performance Capability
Between 20 and 35	C+	2	Low Operational and Financial
			Performance Capability
Between 0 and 20	С	8	Very Low Operational and
			Financial Performance Capability

The grading scale of 'A+ to C' adopted under MOP Integrated Rating Methodology is different from the normal rating scale adopted by CRAs (AAA to D) for credit rating purposes as the credit rating measures the degree of safety regarding timely servicing of financial obligations based on "probability of default"; however, integrated rating reflects the operational and financial health of the distribution entities based on the rating framework approved by Ministry of Power. Further, normal credit rating assigned by CRAs for distribution utilities entails comparison with other corporate, as compared to the integrated rating exercise wherein comparison of the entity is done with other distribution utilities only.

Utility Wise Grades

S. No.	Name of Utility	State	Rating Agency	6th IR Grade (FY 2017)
1	Uttar Gujarat Vij Company Limited	Gujarat	ICRA	A+
2	Dakshin Gujarat Vij Company Limited	Gujarat	ICRA	A+
3	Madhya Gujarat Vij Company Limited	Gujarat	ICRA	A+
4	Uttarakhand Power Corporation Limited	Uttarakhand	CARE	A+
5	Paschim Gujarat Vij Company Limited	Gujarat	ICRA	A+
6	Eastern Power Distribution Company of AP Limited	Andhra Pradesh	CARE	Α
7	Bangalore Electricity Supply Company Limited	Karnataka	ICRA	Α
8	Himachal Pradesh State Electricity Board Limited	Himachal Pradesh	CARE	B+
9	Southern Power Distribution Company of AP Limited	Andhra Pradesh	CARE	B+
10	Uttar Haryana Bijli Vitran Nigam Limited	Haryana	CARE	B+
11	Punjab State Power Corporation Limited	Punjab	ICRA	B+
12	Madhya Pradesh Pash. Kshetra Vidyut Vitaran Co Ltd.	Madhya Pradesh	CARE	B+
13	Dakshin Haryana Bijli Vitran Nigam Limited	Haryana	CARE	B+
14	Mangalore Electricity Supply Company Limited	Karnataka	ICRA	B+
15	Southern Power Distribution Company of Telengana Limited	Telangana	CARE	B+
16	Northern Power Distribution Company of Telangana Limited	Telangana	CARE	B+
18	Gulbarga Electricity Supply Company Limited	Karnataka	ICRA	B+
17	North Bihar Power Distribution Co. Ltd.	Bihar	ICRA	B+
19	West Bengal State Electricity Distribution Company Ltd	West Bengal	ICRA	B+
20	Maharashtra State Electricity Distribution Company Ltd	Maharashtra	ICRA	B+

21	Chamundeshwari Electricity Supply Corporation Ltd.	Karnataka	ICRA	В
22	Assam Power Distribution Company Limited	Assam	ICRA	В
23	Kerala State Electricity Board Limited	Kerala	CARE	В
24	Kanpur Electricity Supply Company Limited	Uttar Pradesh	ICRA	В
25	Ajmer Vidyut Vitran Nigam Limited	Rajasthan	CARE	В
26	Jodhpur Vidyut Vitran Nigam Limited	Rajasthan	CARE	В
27	Jaipur Vidyut Vitran Nigam Limited	Rajasthan	CARE	В
28	Tamil Nadu Generation and Distribution Corporation	TamilNadu	ICRA	В
29	Hubli Electricity Supply Company Limited	Karnataka	ICRA	В
30	South Bihar Power Distribution Co. Ltd.	Bihar	ICRA	В
31	Chhattisgarh State Power Distribution Company Ltd.	Chhattisgarh	CARE	В
32	Madhya Pradesh PoorvKshetra Vidyut Vitaran Co Ltd	Madhya Pradesh	CARE	C+
33	Madhya Pradesh Madhya Kshetra Vidyut Vitran Co Ltd	Madhya Pradesh	CARE	C+
34	Jharkhand Bijli Vitran Nigam Limited	Jharkhand	CARE	С
35	Paschimanchal Vidyut Vitaran Nigam Limited	Uttar Pradesh	ICRA	С
36	Meghalaya Power Distribution Corporation Limited	Meghalaya	CARE	С
37	Madhyanchal Vidyut Vitran Nigam Limited	Uttar Pradesh	ICRA	С
38	Purvanchal Vidyut Vitaran Nigam Limited	Uttar Pradesh	ICRA	С
39	Dakshinanchal Vidyut Vitran Nigam Limited	Uttar Pradesh	ICRA	С
40	Manipur State Power Distribution Company Limited	Manipur	CARE	С
41	Tripura State Electricity Corporation Limited	Tripura	CARE	С

Performance of Rajasthan Discoms: Consequent upon the evaluation of functional and operational and financial performance of the State Distribution Utilities, Rajasthan Discom namely Ajmer Vidyut Vitran Nigam Limited (AVVNL), Jaipur Vidyut Vitran Nigam Limited (JVVNL) and Jodhpur Vidyut Vitran Nigam Limited (JDVVNL) get scores placing them all in B grade as per break up of marks obtained indicated in the following table:

FY 2017

Particulars	JVVNL	AVVNL	Jd.VVNL
Score (Max.marks 100)	44.90	48.34	46.60

S.No.	Particulars	Calculated Value			Max. Marks	L	oss of Marl	(S
S.NO.	Particulars	JVVNL	AVVNL	Jd.VVNL		JVVNL	AVVNL	Jd.VV NL
1(i)a	AT&C Losses	29.56%	25.11%	26.10%	15	11.57	10.24	10.51
1(i)b	Billing Efficiency	74.52%	77.90%	78.31%	8	5.66	5.78	7.02
1(i)c	Collection efficiency	94.53%	96.14%	94.37%	5	2.73	1.93	2.81
1(ii)b	Cost Competitiveness of poer purchase	-0.85	-0.54	-0.49	3	3	3	3
1(iii)a	O&M & Adm. Costs/Revenue	7.05%	4.13%	3.02%	3	3	3	2
1(iii)b	Employee cost/Revenue	7.06%	12.43%	6.98%	3	1	3	1
1(iv)b	Release of new connection within SERC stipulated time limits (sourced from latest available R-APDRP report)	0	0	0	1	1	1	1
II(v)B	Hours of supply in rural areas	22	22	22	2	0.5	0.5	0.5
II(v)C	House hold electrification (against target)	77.57%	77.57%	77.57%	2	1.12	1.12	1.12
II(vi)	RPO Compliance	9.34	8.75	8.83	2	0.36	0.46	0.45
		11.34	11.40	11.40				
2(1)(i)a.i	Filling of MYT petition for FY19	0	0	0	1	1	1	1
2(1)(i)a.v	Return on equity	0	0	0	2(1)	-3	-3	-3
2(1)(i)a.vi	Untreated Revenue gap in the ARR	0	0	0	0(-5)	-5	-5	-5

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2(ii)(i)	Tariff support	Not	Not	Not	4	1	1	1
		recd.in	recd.in	recd.in				
		full	full	full				
3(i)a	Cost coverage ratio	0.87	0.88	0.87	15	10.16	9.63	10.53
3(ii)b	Fixed assets to Total debt ratio	48%	39%	40%	4	4	4	4
3(VI)	Non provision/ payment to Employee related liabilities/ Statutory dues in the accounts	Yes	No	No	0(-1)	-1	0	0
3(VII)	Default to Banks/ Fls	Yes in (T-2) yr	No	Yes in (T-2) yr	0(-2)	-1	0	-1

Note: T yr - Rating Exercise Yr, T-1 yr-Rating Evaluation year & T-2 yr - Year Preceding Rating Evaluation year

Following Salient Observations Emerged on the Score Sheets of Rajasthan Discoms: Key Strengths

Improvement in Aggregate Technical and Commercial (AT&C) Losses

	AVVNL	JVVNL	JDVVNL
FY 17	25.1%	29.56%	26.10%
FY 16	27.61%	35.65%	29.38%

- Take-over of 75% of the debt as of September, 2015 by Government of Rajasthan under UDAY
- Decline in interest cost and no defaults to FIs & Banks in FY 2017
- Timely filing of tariff petition

Key Concerns

Billing Efficiency

	AVVNL	JVVNL	JDVVNL
FY 17	77.90%	74.52%	78.31%
FY 16	73.25%	68.10%	76.68%

• Low Collection efficiency in Jaipur & Jodhpur Discoms (JVVNL * JDVVNL)

	JVVNL	JDVVNL
FY 17	94.53%	94.37%

High Power Purchase Cost (Rs. per Unit)

	ΔVVNI	IVVNI	IDVVNI
	AVVIL	OVVIVE	OD V VIAL
FY 17	4.59	4.52	4.56

Significant delay in issuance of tariff order for FY 18 and true-up order for FY 16

Key Actionable

- Reduction in AT&C loss level by focusing more on circles which have high AT&C losses
- Improvement in collection efficiency for JVVNL and JDVVNL
- Billing efficiency to be improved through various administrative and technical measures
- Timely issuance of tariff order by Rajasthan Electricity Regulatory Commission (RERC)
- Cost coverage to be improved through suitable tariff increase and curtailment of losses
- Effective implementation of UDAY