



प्रशासिक शांति सुवर्ण:

Jaipur Vidyut Vitran Nigam Limited

Office of the Superintending Engineer (Regulation)

Room No. 149, Old Power House Premises, Banipark, Jaipur-302016

Email- sermndf@jvvn.in, Website: <http://www.jaipurdiscom.com>

CIN: U40109RJ2000SGC016486

No:- JPD/SE(Regulation)/XEN(RM)/F / D.2/2 Jaipur, dt. 23.7.2018

The Secretary

RERC

Jaipur

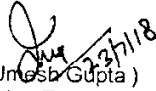
Sub: Petition for approval of Additional Investment Plan in respect of Jaipur Discom for the year 2018-19.

Sir,

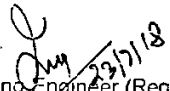
Kindly find enclosed herewith a petition for approval of Additional Investment Plan in respect of Jaipur Discom for the year 2018-19 in six copies alongwith a cheque of Rs. 10,000 bearing no. 750809 dt. 23.7.2018 for kind perusal and further needul of the Commission

Enclsd: As above

(Page 1 of 1)


(Umesh Gupta)
Superintending Engineer (Regulation)

Copy submitted to the Chief Engineer (CA-HQ), JVVNL, Jaipur for information.


Superintending Engineer (Regulation)

BEFORE THE RAJASTHAN ELECTRICITY REGULATORY COMMISSION

FILING No.

CASE No.

IN THE MATTER OF

Petition for approval of investment plan for Two No. Smart Meter Projects in addition to investment plan approved by the Commission vide order dated 28.5.2018. Projects to commence in 2018-19 and to be completed in 2019-20.

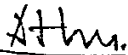
IN THE MATTER OF

JAIPUR VIDYUT VITRAN NIGAM LTD.

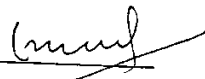
I, Chairman & Managing Director, JVVNL, Jaipur hereby authorize Shri S.T.Hussain S/o Shri Shariful Hasan, Executive Engineer (RM), JVVNL, Jaipur whose signatures are attested below to represent as the petitioner in the above matter



Chairman & Managing Director, JVVNL



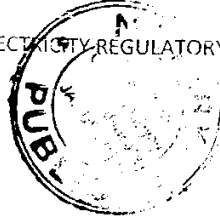
Signature of the authorized representative



Signature Attested

Chairman & Managing Director, JVVNL

BEFORE THE RAJASTHAN ELECTRICITY REGULATORY COMMISSION



FILING NO.

CASE NO.

IN THE MATTER OF

Petition for approval of investment plan for Two No. Smart Meter Projects in addition to investment plan approved by the Commission vide order dated 28.5.2018. Projects to commence in 2018-19 and to be completed in 2019-20.

IN THE MATTER OF


JAIPUR VIDYUT VITRAN NIGAM LTD.

Affidavit verifying the petition

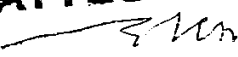
I, S.T. Hussain, Son of Shri Shariful Hasan, resident of 817, Ram Nagar, Shastri Nagar to hereby solemnly affirm and declare as under:-

1. That I am the Executive Engineer, Regulatory matters, Jaipur Vidyut Vitran Nigam Ltd. and I am fully conversant with the facts and circumstances of the matter and am competent to swear this affidavit.
2. That the reply has been prepared under my instructions and the contents there of are true and correct to my knowledge.

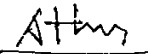
Identified by:


28/7/18

ATTESTED


**NOTARY PUBLIC
JAIPUR (RAJ.)**

22 JUL 2018



Executive Engineer(RM)

Jaipur Vidyut Vitran Nigam Ltd.

2

BEFORE THE RAJASTHAN ELECTRICITY REGULATORY COMMISSION

Jaipur

Filing No.....

Case No.....

IN THE MATTER OF:

Petition for approval of investment plan for Two No. Smart Meter Projects in addition to investment plan approved by the Commission vide order dated 28.5.2018. Projects to commence in 2018-19 and to be completed in 2019-20.

AND

IN THE MATTER OF :

JAIPUR VIDYUT VITRAN NIGAM LTD.

The Petitioner respectfully submits as under:-

1. That the Petitioner had filed the petition for approval of Investment Plan for FY 2018-19 before the Hon'ble Commission on 30th November 2017. The petitioner filed the petition at that point of time considering the capital schemes planned and the associated cost to carry out the works under the various schemes.
2. That, post submission of the petition, during the course of time, a couple of more schemes were also finalized, keeping in mind the target of 15% AT&C losses which are to be achieved by the Discom by FY 2018-19. The same has also been set as a target in the tripartite MoU signed under

3

AKW

UDAY scheme and even in the ARR and Tariff Order for FY 2018-19 dated 28th May 2018, issued by the Hon'ble Commission.

3. That the Petitioner recognises the importance of bringing down the losses in order to ensure that the state power sector remains viable. The Petitioner has already undertaken several steps and numerous measures have also been envisaged to bring down the existing loss levels. The Discom intends to pursue the loss reduction programs initiated in previous years and increasingly use technology to target erring consumers and reduce the losses during the projection period. The investments being made under schemes like R-APDRP, FIP, SIP etc. are also expected to aid in the reduction of distribution loss.
4. That the Jaipur Discom during the course of deciding the tariff petition had submitted before the Hon'ble Commission vide its letter No. 77 dated 10.5.18 that Jaipur Discom shall achieve the aforesaid target of loss reduction with the help of certain new interventions and execution of new projects. The copy of our letter dated 10.5.18 is enclosed at Annexure-'A'. Besides other, this includes two major Smart Meter Projects.
5. That the investment on these two projects was not included in the petition of investment plan for the year 2018-19 approved by the Hon'ble Commission vide order dated 28.5.2018. The Jaipur Discom did not mention regarding these projects in the petition submitted to Hon'ble Commission as the schemes were finalized in the due course of time, when the process for approval of the Investment Plan was taking place.

6. That the Hon'ble Commission finally came out with the tariff order dated 28.5.2018 considering our letter dated 10.5.2018 and gave directions to go ahead with smart metering, but specific directions to execute the Smart Meter Projects were not mentioned in the tariff order dated 28.5.2018.
7. That the Smart Meter Projects can be executed only by making provisions in the investment plan for adequate expenditure and it is now requested that the Hon'ble Commission may kindly consider to issue necessary and suitable order authorizing the Jaipur Discom to invest money on the two Smart Meter Projects to comply with the directions of the tariff order dated 28.5.2018.
8. That the consequential effect of the expenditure in addition to original investment plan may be considered through subsequent true-up for FY 2018-19. This will enable a quick decision on this petition for curtailing the delay in commencement of projects.
9. That the details of projects are available at Annexure-'B' & Annexure-'C'.

PRAYER

In view of the above submissions, the Petitioner prays as under:

- a) The Hon'ble Commission may pass suitable order so that these projects (as per Annexure-'B' & Annexure-'C') become additionally approved projects by the Hon'ble Commission and Jaipur Discom starts the execution of these projects for bringing down the losses with the help of these projects.
- b) To condone any error/omission and to give opportunity to rectify the same;
- c) Pass any such other order/s and/or direction/s, which the Hon'ble RERC may deem fit and proper in the facts and circumstances of the case.

Annexure A



Jaipur Vidyut Vitran Nigam Limited
Office of the Superintending Engineer (Regulation)
Room No. 119, Old Power House Premises- Banpark, Jaipur-302016
Email- sermndf@jvvnli.in, Website: <http://www.jaipurdisc.com>
CIN: U40109RJ2000SGC016486

No. :- JPD /SE(Regn.)/ XEN (RM) / F /D. 77 Jaipur, dt 10.5.18

The Secretary

RERC

Jaipur

Sub: Regarding reply of objections received on ARR & tariff petition for the year 2018-19 of Jaipur Discom

Kindly find enclosed herewith reply of following objectors received on ARR & tariff petition for the year 2018-19 of Jaipur Discom for kind perusal and further needful of the Hon'ble Commission

- | | |
|---------------------------------|------------|
| 1. Shri Y.K.Boliya | Page 1-2 |
| 2. M/s Rudraksh Energy | Page 3-11 |
| 3. Shri Shanti Prasad | Page 12-14 |
| 4. M/s Rajasthan Steel Chambers | Page 15-21 |
| 5. Shri P.C.Jain | Page 22-29 |
| 6. M/s Rajasthan Textile Mill | Page 30-36 |
| 7. Shri Dharam Deo Agrawal | Page 37-43 |
| 8. Shri Prakash Shukla | Page 44 |
| 9. Shri G.L. Sharma | Page 45-52 |

(Umesh Gupta)
Superintending Engineer (Regulation)

Copy forwarded to _____

_____ for further needful.

Superintending Engineer (Regulation)

6

(Handwritten signature)

Detailed Project Information for implementation of Smart Merer Project for Jaipur DISCOM under the provisions of the integrated Power Development Scheme(IPDS). Annexure B

Integrated Power Development Scheme (IPDS)			
DISCOM	No of Meters	Project Cost as per DPR and NIT (Crore Rs.)	Area
JVVNL	281782 1P- 263232 3P Whole Current - 17540 3P LTCT - 1010	DPR : Rs. 104.21 Crs. Cost received under Tender : 193.75 Crs.	7 Sub-Divisions of Jaipur City Circle: Bhankrota, PuranaGhat, Amber, Sanganer, Pratap Nagar, Jagatpura, Jhotwara 1 Sub-Division of Tonk Circle: A1- Tonk Total 8 Sub-Divisions.

7

[Handwritten Signature]

Cost Benefit Analysis of Smart Metering Project to be funded Under IPDS

Project Area	Subdivisions : A-II (Bhankrota), D-IV (PuranaGhat), E-IV(Amber), F-III (Sanganer), F-IV (Pratap Nagar), F-V (Jagatpura) and G-IV (Jhotwara) of Jaipur City Circle and A-I subdivision of Tonk Circle					
	JCC	Tonk (A-I)	Entire Project Area	Total Area of JCC	Total area of Outer 7 Sub-Divisions of JCC	Total area other than Outer 7 Sub-Divisions of JCC
Financial Year (2017-18)	Assuming T&D Losses will be reduced to 9%	Assuming T&D Losses will be reduced to 15%	Assuming T&D Losses will be reduced to 12%			
Annual Energy Input (LU)	9080.76	1232.34	10313.10	40769.29	9080.76	31688.53
Annual Energy Sold (LU)	7709.23	872.29	8581.52	36738.54	7709.23	29029.31
T&D Losses	15.10	29.22	16.79	9.89	15.10	8.39
T&D Loss Target	9.00	15.00	12.00			
Savings in Energy Input (LU)	554.26	175.20	494.01			
Per Unit Input Rate (INR)	6.07	6.07	6.07			
Per Year Savings (INR Lakh)	3364.37	1063.46	2998.63			
Total Awarded Cost (INR Lakh)	17367	2008	19375			
Pay Back Period	5 Years 2 Months	1 Year 11 Months	6 Years 5 Months			

00

5/5

BENEFITS OF SMART METERING PROJECT

1	Accurate & reliable energy accounting on sustainable basis.
2	Better accountability at all level.
3	Improve the reliability of the power supply.
4	24x7 power supply for consumers in urban area.
5	Reduction of Losses to meet AT&C loss reduction trajectory.
6	Providing electricity access to all urban house hold.
7	Improvement in network planning
8	Improvement in quality of supply like voltage level, PF etc.
9	Prompt and effective solution to the consumer queries / grievances.
10	Reduction in Meter Reading Cost
11	Reduction in Off Cycle Trips
12	Reduction in Outage Field Trip
13	Reduction in Unaccounted Energy
14	Faster Theft / Tamper Detection
15	Faster Identification of Dead Meters
16	Improved Distribution System Savings
17	Improved Distribution System Management
18	Planning for Upgradation
19	Reduction in Estimated Bills
20	Line loss reduction
21	Decrease in the DT failure

LD

AAW

Annexure C

Detailed Project Information for Implementation of Smart Metering/AMI System in towns of Barana, Bharatpur, Bundi, Dholpur, Jhalawar and Karauli circle of JAIPUR DISCOM to the NATIONAL SMART GRID MISSION-PMU, Ministry of Power, Government of India for grant under National Smart Grid Mission(NSGM)

National Smart Grid Mission (NSGM)		
No of Meters	Project Cost as per DPR and NIT (Crore Rs.)	Area
149089	DPR : Rs. 131.82 Crs.	3 Municipal Towns of Baran Circle: Anta, Baran, Mangrol
1P- 135700 3P Whole Current - 12544 3P LTCT -845	Cost received under Tender : 119.13 Crs.	7 Municipal Towns of Bharatpur Circle: Bayana, Bhusawat, Deeg, Kaman, Kumiher, Nadbai, Weir
		3 Municipal Towns of Bundi Circle: Keshoraipatan, Lakheri, Nainwa
		3 Municipal Towns of Dholpur Circle: Bari, Dholpur, Rajkhera
		1 Municipal Town of Karauli Circle: Karauli
		4 Municipal Towns of Jhalawar Circle: Aklera, Jhalrapatan, Jhalawar, Pirawa
		Total 21 Municipal Towns.
		<ul style="list-style-type: none"> • These towns having more than 25% T&D Losses. • Only Urban Consumers are selected.

Cost Benefit Analysis of Smart Metering Project to be funded Under NSGM			
Project Area	Assuming T&D Loss will be reduced to		
	25%	20%	15%
Financial Year (2016-17)			
Annual Energy Input (LU)	6988.3	6988.3	6988.3
Annual Energy Sold (LU)	4768	4768	4768
T&D Losses	31.77	31.77	31.77
T&D Loss Target	25.00	20.00	15.00
Savings in Energy Input (LU)	473.13	822.57	1172.00
Per Unit Input Rate (INR)	6.07	6.07	6.07
Per Year Savings (INR Lakh)	2871.92	4992.98	7114.04
Tentative Award Cost (INR Lakh)	11912.58	11912.58	11912.58
Pay Back Period	4 Years, 2 Months	2 Years, 5 Months	1 Year, 8 Months

Municipal Towns/ District Headquarters: Nadbai, Bayana, Weir, Bhusawar, Deeg, Kaman, Kumer, Dholpur, Bari, Rajakhara, Karauli, Jhalawar, Jhlapatan, Aklera, Pirawa, Baran, Anta, Mangrol, Keshoraipatan, Lakheri, Nainwa
of Baran, Bharatpur, Bundi, Dholpur, Jhalawar, Karauli Circles

