

**Petition for
In-Principle Approval of Additional Capitalization for
Providing, Laying and Jointing of Sewer System at
Suratgarh Thermal Power Station Unit # 1-6**

Submitted to

Rajasthan Electricity Regulatory Commission

Jaipur

by

Rajasthan Rajya Vidyut Utpadan Nigam Limited

Vidyut Bhavan, Janpath, Jaipur

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1. BACKGROUND

1. Rajasthan Rajya Vidyut Utpadan Nigam Ltd (RVUN) was incorporated under the Companies Act 1956, as one of the five successor companies of erstwhile Rajasthan State Electricity Board (RSEB) to take over the electricity generation business in the state of Rajasthan. The existing power stations and those under commissioning in the state sector were transferred to RVUN as per the Rajasthan Power Sector Reforms Transfer Scheme, 2000 notified by State Government provisionally on 19th July 2000 and finally on 18th January 2002.
2. RVUN has entered into Long Term Power supply-Purchase Agreements (PPA) in respect of existing and future power projects for 25 Years with the three Discoms on 28.09.06 and subsequently various supplementary PPA's with Discoms latest on dated 26.06.2015.
3. The Commissioned and commercial operation of STPS 1500 MW details are given below:-

Particular	Unit-1	Unit-2	Unit-3	Unit-4	Unit-5	Unit-6
Installed Capacity (IC)	250	250	250	250	250	250
Date of Commissioned	01.02.1999	01.10.2000	15.01.2002	31.07.2002	19.08.2003	30.12.2009

2. SALIENT FEATURE OF PETITION

4. The consent to establish 1x250 MW Coal based Thermal Power Plant Unit-6 Stage-IV at Suratgarh Dist. Sri Ganganagar was issued by Rajasthan State Pollution Control Board Vide their Letter No. F5GH-53/RPCB/Gr.II/1629 dated 03.06.06 Copy placed as **Annexure B** with condition that the domestic waste water generated from residential colony and the plant area shall be treated in adequately designed sewage treatment plant and the treated effluent will be utilised for development of green belt within the plant premises as per clause No 12 of aforesaid letter.
5. The order for Consultancy Service for the above work was award to M/s Creative Computer Jaipur vide No. RVUN/CE Civil /F/D-637 dated 02.11.2010. The consultant have submitted the Detailed Project Report (DPR) for the above work and worked out the cost of this work as Rs 8.4815 Cr. The cost shall be chargeable on the cost head

“Capital work as additional Capitalization at STPS for Unit # 1 to 6” copy of DPR is enclosed as **Annexure-A**.

6. Further, Consent to Operate for SSTPS 1x250 MW Unit# 6, Stage –IV was granted by the Rajasthan State Control Pollution Board vide their order No. 2012-13/CPM/1488 dated 10.09.2012 with the condition that the SSTPS shall commission the Effluent Treatment Plant and Sewage Treatment Plant. The Effluent Treatment Plant for plant site & Sewage Treatment Plant for residential colony have already been provided through different contracts and commissioned aforesaid letters are enclosed as **Annexure-B**.

3. WORK DETAILS TO BE CARRIED OUT

7. Work details are as Under:

- I. Providing, laying and jointing sewer line in the lanes of thermal power plant Unit# 1-6, ADM block and CRPF residences.
- II. Providing, laying and jointing House/ Property/ Toilet block connection line in the lanes/ compound of Units of thermal power plant Unit 1-6, ADM block & CRPF residences.
- III. Provision for auto level sewage flow pumping from existing septic tanks to nearby sewer chamber through pumping main of GI Class C pipes as the RCC floor obstructs the gravity flow.
- IV. Provision of Construction of STP of 1 mld capacity for Unit 1-6 and also if feasible future space for proposed unit 7-8 based on the SBR process i.e. similar to that proposed in the colony.
- V. Construction of sewerage treated water pond for effective reuse of the treated water.
- VI. Effective Operation & Maintenances schedules.

4. NECESSITY OF WORK

8. Work is essential due to following reasons:

- I. Compliance of Rajasthan State Pollution Control Board Vide their Letter No. F5GH-53/RPCB/Gr.II/1629 dated 03.06.06 and 2012-13/CPM/1488 dated 10.09.2012 for Consent to Establish and Consent to Operate respectively.
- II. The present system of disposal is through closed drains to community septic tank. These septic/ soak pits are often overflows causing bed smell, unhygienic condition & breeding of Mosquitoes.

5. BUDGET ESTIMATE

9. Estimated budget are as under:

S.No	Particulars	Amount (Rs)
1	Providing, Laying, jointing & commissioning of sewer system of Sewer lines with Manholes, Vent shafts and Property Connections.	43144060.32
2	Provision for Sewage Pumps to pump from existing septic tanks to nearby sewer Chamber.	750000.00
3	Provision for STP of 1mld with O&M	29500000.00
4	Provision for DPR Preparation & Capacity building @1.5% +1.5%.	2201821.81
5	Sub Total (A)	75595882.13
6	Add for tender premium@20%	9219716.43
7	Sub Total (B)	9219716.43
8	Grand Total	84815598.56

- (i) The estimated cost based upon BSR rates of 2013 has been approved by RVUN BoD in its 268th meeting held on dated 09.03.2017 and copy of the same is enclosed as **Annexure-C**.
- (ii) Interest During Construction (IDC), taxes & Duties and Levies etc. shall be extra as applicable.

10. It is, therefore, requested to the Hon'ble Commission for In-Principle Approval of Additional Capitalization for providing, laying and jointing of Sewer System at Suratgarh Thermal Power Station Unit # 1-6 under Regulation 17 (2) (iv) of RERC Regulation 2014.

6. BENEFITS OF THE WORK TO BE CARRIED OUT

11. Benefits of Sewer System are as under:

- I. Compliance of Rajasthan State Pollution Control Board Vide their Letter No. F5GH-53/RPCB/Gr.II/1629 dated 03.06.06 and 2012-13/CPM/1488 dated 10.09.2012 for Consent to Establish and Consent to Operate respectively
- II. Presently the drainage of septic tanks of plant is connected to open trench (Surface Drains) and effluent is going in waste, after instalment of STP for treatment of sewage effluents, and the treated water of STP may be utilized for development of green belt within the plant premises/ ash disposal.

12. However time period of 12 months is required from date of LOI and 18 months from In-Principle approval of Hon'ble Commission for processing the case, material management and planning to be carried out.

7. RESPONDENTS

All the three Discom's (i.e. JVNL/AVNL/ Jd.VNL) Jaipur/ Ajmer/ Jodhpur are respondents for the above petition.

8. PRAYER:-

RVUN humbly requests the Hon'ble Commission to:-

- (a) Accord In-Principle Approval of Additional Capitalization for Providing, Laying and Jointing of Sewer System at Suratgarh Thermal Power Station Unit # 1-6 with cost of Rs 8.48 Cr.

- (b) Pass such further order or orders as this Hon'ble Commission may deem just and proper in the circumstances of the case.

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