

Jharkhand State Electricity Regulatory
Commission



Order on
Business Plan, and
Tariff for MYT from FY 2026-27 to FY 2030-31.
for
Adhunik Power and Natural Resources Limited
(APNRL)
Ranchi
March 30, 2026



Table of Contents

CHAPTER 1: INTRODUCTION	9
JHARKHAND STATE ELECTRICITY REGULATORY COMMISSION.....	9
ADHUNIK POWER AND NATURAL RESOURCES LIMITED (APNRL).....	11
OVERVIEW OF THE THERMAL STATION	13
THE PETITIONER’S PRAYERS	13
CHAPTER 2: PROCEDURAL HISTORY	16
BACKGROUND	16
INVITING PUBLIC COMMENTS/SUGGESTIONS.....	17
SUBMISSION OF COMMENTS/SUGGESTIONS AND CONDUCT OF PUBLIC HEARING	18
CHAPTER 3: BRIEF FACTS OF THE PETITION	20
BUSINESS PLAN FOR FY 2026-27 TO FY 2030-31	20
<i>Capital Expenditure and Capitalization</i>	20
<i>Aggregate Revenue Requirement (ARR)</i>	21
CHAPTER 4: PUBLIC CONSULTATION PROCESS	26
<i>GCV Slippage of Coal</i>	26
<i>Water Charges</i>	27
<i>Ash disposal and Transportation charges</i>	27
<i>High Interest on term Loan</i>	28
CHAPTER 5: BUSINESS PLAN FOR THE MYT CONTROL PERIOD FY 2026-27 TO FY 2030-31	31
OPERATIONAL PLAN.....	32
<i>Plant Availability Factor (PAF)</i>	32
<i>Auxiliary Consumption</i>	32
<i>Plant Load Factor and Generation</i>	33
<i>Gross Station Heat Rate (GSHR)</i>	33
<i>Specific Fuel Oil Consumption</i>	34
<i>Transit Loss</i>	34
CAPITAL INVESTMENT PLAN.....	35
FINANCING OF CAPITAL EXPENDITURE PLAN.....	41
NON-TARIFF INCOME	43
CHAPTER 6: DETERMINATION OF TARIFF FOR THE MYT CONTROL PERIOD FY 2026-27 TO FY 2030-31	45
OPERATIONAL PERFORMANCE.....	45
FUEL COST PARAMETER.....	46
<i>Coal Mix, landed price of Coal, Transit Loss and (GCV) of Primary Fuel</i>	46
<i>Calorific value and Cost of Secondary Fuel</i>	49
<i>Energy Charge Rate (ECR)</i>	51
SUMMARY OF FUEL COST.....	54
DETERMINATION OF FIXED COST	54
<i>Additional Capitalization</i>	54
<i>Depreciation</i>	55
<i>Operation & Maintenance Expenses</i>	60
<i>Interest on Debt</i>	70
<i>Return on Equity</i>	72



Business Plan, ARR and Tariff for MYT control Period FY 2026-27 to FY 2030-31

Interest on Working Capital (IOWC).....	74
WATER CHARGES, SECURITY DEPOSIT, CAPITAL SPARE.....	77
LEGAL EXPENSES	79
ASH DISPOSAL EXPENSES.....	80
SUMMARY OF ANNUAL FIXED CHARGE (AFC) FOR MYT CONTROL PERIOD FY 2026-27 TO FY 2030-31	81
APPROVED TARIFF FOR UNIT-I AND UNIT-II.....	82
CHAPTER 7: DIRECTIVES.....	87
DEVELOPMENT OF A FUEL PROCUREMENT PLAN.....	87
REDUCTION OF INTEREST ON LOAN.....	87
HIGH LEGAL COST	87
CHAPTER 8: ANNEXURE	89
CHAPTER 9: DETAILS OF ADDITIONAL CAPITALIZATION APPROVED.....	91



List of Abbreviations

Abbreviation	Description
A&G	Administrative and General
APR	Annual Performance Review
ARR	Aggregate Revenue Requirement
ATE	Appellate Tribunal for Electricity
COD	Date of Commercial Operation
Cr.	Crore
ECR	Energy Charge Rate
FY	Financial Year
GCV	Gross Calorific Value
GFA	Gross Fixed Assets
GoI	Government of India
HO & SS	Head Office and Shared Services
JSERC	Jharkhand State Electricity Regulatory Commission
Kcal	Kilocalorie
Kg	Kilogram
kWh	Kilowatt-hour
LDC	Load Dispatch Centre
LPPF	Landed Price of primary fuel
MAT	Minimum Alternative Tax
MCL	MCL Mahanadi Coalfields Ltd. (IB Valley Coalfields)
ml	Millilitre
MT	Million Tonnes
MU	Million Units
MW	Megawatt
NAPAF	Normative Annual Plant Availability Factor
O&M	Operation and Maintenance
PAF	Plant Availability Factor
PLF	Plant Load Factor
PPA	Power Purchase Agreement
R&M	Repair and Maintenance
RoE	Return on Equity
Rs.	Rupees
SBI	State Bank of India
SERC	State Electricity Regulatory Commission
SLM	Straight Line Method
TPCL	Tata Power Company Limited
TSL	Tata Steel Limited
UoM	Unit of Measurement
WB	West Bokaro



LIST OF TABLES

Table 1: List of newspapers and dates of publication of public notice by the Petitioner	17
Table 2: List of newspapers and dates of publication of public notice by the Commission.	18
Table 3: Unit wise Capital Expenditure and additional Capitalization as submitted by the Petitioner.	20
Table 4: Operational Parameters for FY 2026-27 to FY 2030-31 as submitted by the Petitioner.	21
Table 5: Summary of AFC for Unit-I as submitted by the Petitioner (Rs. Crore).	21
Table 6: Summary of AFC for Unit-II as submitted by the Petitioner (Rs. Crore).	22
Table 7: Energy Charge for Unit-I as submitted by the Petitioner for FY 2026-27 to FY 2030-31.	22
Table 8: Energy Charge for Unit-II as submitted by the Petitioner for FY 2026-27 to FY 2030-31.	22
Table 9: Tariff for 13% of total Net Capacity for Unit-I as submitted by the Petitioner (Fixed Cost).	23
Table 10: Tariff for 13% of total Net Capacity for Unit-II as submitted by the Petitioner (Fixed Cost).	23
Table 11: Plant Availability Factor as approved by the Commission for Unit-I & Unit-II	32
Table 12: Auxiliary Consumptions as approved by the Commission for both Units.	32
Table 13: Plant Load Factor and Generation as approved by the Commission.	33
Table 14: Gross Station Heat Rate (GSHR) as approved by the Commission.	34
Table 15: Specific Fuel Oil Consumption as approved by the Commission	34
Table 16: Transit Loss as approved by the Commission for both the Unit.	35
Table 17: Details of additional capitalization proposed by the petitioner.	35
Table 18: Details of additional capital expenditure (Rs Crore) under plant and machinery as proposed by the Petitioner for both Units.	37
Table 19: Additional Capitalization as projected by the Petitioner	38
Table 20: Additional Capital Expenditure as approved by the Commission.	39
Table 21: Financing of Capital Expenditure Plan as submitted by the Petitioner.	41
Table 22: Financing of Capital Expenditure Plan as approved by the Commission.	42
Table 23: Non-Tariff Income as submitted by the Petitioner.	43
Table 24: Non-Tariff Income as approved by the Commission.	43
Table 25: Source Wise Coal Mix plan for FY 2026-27 to FY 2030-31 as submitted by the Petitioner.	46
Table 26: GCV of Coal from various source as submitted by the Petitioner.	47
Table 27: Cost of Coal including transit loss from various source as submitted by the Petitioner.	47
Table 28: Cost of Coal from various source for Unit-I & Unit -II as submitted by the Petitioner.	48
Table 29: Source Wise Coal Mix plan for FY 2026-27 to FY 2030-31 as approved by the Commission.	48
Table 30: GCV of Coal for FY 2026-27 to FY 2030-31 as approved by the Commission.	49
Table 31: Cost of Coal for FY 2026-27 to FY 2030-31 for Unit-I & Unit-II as approved by the Commission.	49
Table 32: Cost of Secondary Oil for Unit-I as submitted by the Petitioner	50



Business Plan, ARR and Tariff for MYT control Period FY 2026-27 to FY 2030-31

Table 33: Cost of Secondary Oil for Unit-2 as submitted by the Petitioner.....	50
Table 34: Calorific value & Landed Price of Secondary fuel for Unit-I for the Control Period FY 2026-27 to FY 2030-31 as approved by the Commission.	50
Table 35: Calorific value & Landed Price of Secondary fuel for Unit-I for the Control Period FY 2026-27 to FY 2030-31 as approved by the Commission.	50
Table 36: Energy Charge for Unit-I as submitted by the Petitioner for FY 2026-27 to FY 2030-31.....	51
Table 37: Energy Charge for Unit-II as submitted by the Petitioner for FY 2026-27 to FY 2030-31.	51
Table 38: Energy Charge Rate (ECR) for Unit-I as approved by the Commission.	53
Table 39: Energy Charge Rate (ECR) for Unit-II as approved by the Commission.....	54
Table 40: Fuel Cost for Unit-I as approved by the Commission.....	54
Table 41: Fuel Cost for Unit-II as approved by the Commission	54
Table 42: Gross Fixed Asset (GFA) in (Rs Crore) for Unit-I as approved by the Commission.	55
Table 43: Gross Fixed Asset (GFA) in (Rs Crore) for Unit-II as approved by the Commission.	55
Table 44: Depreciation (Rs. Crore) for Unit-I as submitted by the Petitioner	56
Table 45: Depreciation (Rs. Crore) for Unit-II as submitted by the Petitioner	56
Table 46: Depreciation (Rs. Crore) for Unit-I as approved by the Commission.....	59
Table 47: Depreciation (Rs. Crore) for Unit-II as approved by the Commission.	60
Table 48: Calculation of K for Unit-I as submitted by Petitioner.....	60
Table 49: Calculation of K for Unit-I as submitted by Petitioner.....	61
Table 50: R&M for Unit-I for the Control Period FY 2026-27 to FY 2030-31 is projected and submitted by Petitioner as under.	61
Table 51: R&M for Unit-II for the Control Period FY 2026-27 to FY 2030-31 is projected and submitted by Petitioner as under.	61
Table 52: Computation of normative employee expenses of Base Year for Unit-I and Unit-II as submitted by Petitioner.....	62
Table 53: Projection of employee expenses of Unit-I and Unit-II for the Control Period FY 2026-27 to FY 2030-31as submitted by Petitioner.	62
Table 54: Computation of Administrative and General Expense of Unit-I & Unit-II for base year as submitted by Petitioner.	62
Table 55: Projection of Administrative and General Expense of Unit-I & Unit-II for the Control Period FY 2026-27 to FY 2030-31as submitted by Petitioner.....	63
Table 56: Computation of Legal and Consulting Expenses of Unit-I & Unit-II for base year as submitted by Petitioner.	63
Table 57: O&M Expenses (Rs. Cr.) for Unit-I for as submitted by the Petitioner.	64
Table 58: O&M Expenses (Rs. Cr.) for Unit-II for as submitted by the Petitioner.....	64
Table 59: Employee Expenses (Rs. Cr) for Unit-I as approved by Commission.	67
Table 60: Employee Expenses (Rs. Cr) for Unit-II as approved by Commission.....	67
Table 61: A&G Expenses (Rs. Cr) for Unit-I as approved by Commission.	68
Table 62: A&G Expenses (Rs. Cr) for Unit-II as approved by Commission.....	68
Table 63: R&M Expenses (Rs. Cr) for Unit-I as approved by Commission.	68
Table 64: R&M Expenses (Rs. Cr) for Unit-II as approved by Commission.....	69
Table 65: Legal Expenses (Rs. Cr) for Unit-I as approved by Commission.....	69
Table 66: Legal Expenses (Rs. Cr) for Unit-II as approved by Commission.....	69
Table 67: Net O&M Expenses (Rs. Cr) for Unit-I as approved by Commission.	69
Table 68: Net O&M Expenses (Rs. Cr) for Unit-II as approved by Commission.....	69
Table 69: Computation of interest on Loan (Rs. Cr) for Unit-I as submitted by	



Business Plan, ARR and Tariff for MYT control Period FY 2026-27 to FY 2030-31

Petitioner.....	70
Table 70: Computation of interest on Loan (Rs. Cr) for Unit-II as submitted by Petitioner.....	71
Table 71: Computation of interest on Loan (Rs. Cr) for Unit-I as approved by the Commission.....	72
Table 72: Computation of interest on Loan (Rs. Cr) for Unit-II as approved by the Commission.....	72
Table 73: Computation of Return on Equity (Rs. Cr) for Unit-I as submitted by Petitioner.....	73
Table 74: Computation of Return on Equity (Rs. Cr) for Unit-II as submitted by Petitioner.....	73
Table 75: Computation of Return on Equity (Rs. Cr) for Unit-I as approved by Commission.....	74
Table 76: Computation of Return on Equity (Rs. Cr) for Unit-II as approved by Commission.....	74
Table 77: IOWC (Rs. Crore) for Unit-I as submitted by the Petitioner.....	74
Table 78: IOWC (Rs. Crore) for Unit-II as submitted by the Petitioner.....	75
Table 79: IOWC (Rs. Crore) for Unit-I as approved by the Commission.....	76
Table 80: IOWC (Rs. Crore) for Unit-II as approved by the Commission.....	77
Table 81: Water Charge, Capital Spare, Security Expenses as submitted by the Petitioner.....	78
Table 82: Water Charge, Capital Spare, Security Expense as approved by the Commission.....	79
Table 83: Legal Expense as submitted by the Petitioner.....	79
Table 84: Ash Disposal Expense as submitted by the Petitioner.....	80
Table 85: Ash Disposal Expense as approved by the Commission.....	81
Table 86: Summary of AFC for Unit-I as submitted by the Petitioner.....	81
Table 87: Summary of AFC for Unit-II as submitted by the Petitioner.....	81
Table 88: Summary of AFC for Unit-I as approved by the Commission.....	82
Table 89: Summary of AFC for Unit-II as approved by the Commission.....	82
Table 90: Tariff for 12% of total Net Capacity as submitted by the Petitioner (Variable Cost).....	83
Table 91: Tariff for 13% of total Net Capacity for Unit-I as submitted by the Petitioner (Fixed Cost).....	83
Table 92: Tariff for 13% of total Net Capacity for Unit-II as submitted by the Petitioner (Fixed Cost).....	83
Table 93: Tariff for 12% of total Net Capacity as approved by Commission (Variable charge).....	84
Table 94: Tariff for 13% of total Net Capacity as approved by Commission (Variable charge).....	84
Table 95: Tariff for 13% of total Net Capacity for Unit-I as approved by the Commission (Fixed Cost).....	84
Table 96: Tariff for 13% of total Net Capacity for Unit-II as approved by the Commission (Fixed Cost).....	85
Table 97: List of participating members of the Public in the Public Hearing.....	89



BEFORE

**Jharkhand State Electricity Regulatory Commission,
Ranchi**

Case (Tariff) No.: 14 of 2025

In the matter of:

Petition for

**Approval for Business Plan, Annual Revenue Requirement and
Determination of Tariff for FY 2026-27 to FY 2030-31.**

In the matter:

Adhunik Power and Natural Resources Limited (APNRL),
5th Floor, Lansdowne Towers, 2/1A, Sarat Bose Road,
Kolkata-700020

Petitioner

PRESENT

Hon'ble Justice Navneet Kumar..... Chairperson
Hon'ble Mahendra Prasad..... Member (Law)

Order dated March 30, 2026

Adhunik Power and Natural Resources Limited (hereinafter referred to as APNRL or the Petitioner) has filed the petition for Approval for Business Plan, Annual Revenue Requirement and Determination of Tariff for FY 2026-27 to FY 2030-31.



Chapter 1: Introduction

Jharkhand State Electricity Regulatory Commission

- 1.1 The Jharkhand State Electricity Regulatory Commission (hereinafter referred to as the JSERC or the Commission) was established by the Government of Jharkhand under Section 17 of the Electricity Regulatory Commission Act, 1998 on August 22, 2002. The Commission became operational with effect from April 24, 2003.
- 1.2 The Government of Jharkhand vide its notification dated August 22, 2002, had defined the functions of JSERC as per Section 22 of the Electricity Regulatory Commission Act, 1998 to be the following, namely:
 - (a) to determine the tariff for electricity, wholesale, bulk, grid or retail, as the case may be, in the manner provided in section 29;
 - (b) to determine the tariff payable for the use of the transmission facilities in the manner provided in section 29;
 - (c) to regulate power purchase and procurement process of the transmission utilities and distribution utilities including the price at which the power shall be procured from the generating companies, generating stations or from other sources for transmission, sale, distribution and supply in the State;
 - (d) to promote competition, efficiency and economy in the activities of the electricity industry to achieve the objects and purposes of this Act.
- 1.3 After the Electricity Act, 2003 came into force, the earlier Electricity Regulatory Commission Act of 1998 stands repealed and the functions of State Electricity Regulatory Commission are now defined under Section 86 of the Act 2003.
- 1.4 In accordance with Section 86 (1) of the Act, the JSERC discharges the following functions:
 - (a) determine the tariff for generation, supply, transmission and wheeling of electricity, wholesale, bulk or retail, as the case may be, within the State:



Provided that where open access has been permitted to a category of consumers under section 42, the State Commission shall determine only the wheeling charges and surcharge thereon, if any, for the said category of consumers;

- (b) regulate electricity purchase and procurement process of distribution licensees including the price at which electricity shall be procured from the generating companies or licensees or from other sources through agreements for purchase of power for distribution and supply within the State;
- (c) facilitate intra-state transmission and wheeling of electricity;
- (d) issue licenses to persons seeking to act as transmission licensees, distribution licensees and electricity traders with respect to their operations within the State;
- (e) promote cogeneration and generation of electricity from renewable sources of energy by providing suitable measures for connectivity with the grid and sale of electricity to any person, and also specify, for purchase of electricity from such sources, a percentage of the total consumption of electricity in the area of a distribution licensee;
- (f) adjudicate upon the disputes between the licensees and generating companies, and to refer any dispute for arbitration;
- (g) levy fee for the purposes of this Act;
- (h) specify State Grid Code consistent with the Grid Code specified under Clause (h) of sub-section (1) of Section 79;
- (i) specify or enforce standards with respect to quality, continuity and reliability of service by licensees;
- (j) fix the trading margin in the intra-state trading of electricity, if considered, necessary;
- (k) discharge such other functions as may be assigned to it under this Act.

1.5 The Commission has to also advise the State Government as per sub section 2 of Section 86 of the Act, on all or any of the following matters, namely:

- a) promotion of competition, efficiency and economy in activities of



- the electricity industry;
- b) promotion of investment in electricity industry;
 - c) reorganization and restructuring of electricity industry in the State;
 - d) matters concerning generation, transmission, distribution and trading of electricity or any other matter referred to the State Commission by that Government.
- 1.6 The State Commission shall ensure transparency while exercising its powers and discharging its functions.
- 1.7 In discharge of its functions, the State Commission is also guided by the National Tariff Policy as brought out by GoI in compliance to Section 3 of the Act. The objectives of the National Tariff Policy are to:
- a) ensure availability of electricity to consumers at reasonable and competitive rates;
 - b) ensure financial viability of the sector and attract investments;
 - c) promote transparency, consistency and predictability in regulatory approaches across jurisdictions and minimize perceptions of regulatory risks;
 - d) promote competition, efficiency in operations and improvement in quality of supply.

Adhunik Power and Natural Resources Limited (APNRL)

- 1.8 Adhunik Power and Natural Resources Limited (hereinafter referred to as APNRL or the Petitioner) is a company incorporated under the provisions of the Indian Companies Act, 1956.
- 1.9 Originally incorporated as “Adhunik Thermal Energy Ltd.” (ATEL), in the year 2007, ATEL was renamed to “Neepaz Thermal Energy Limited” (NTEL) and subsequently renamed as “Adhunik Power & Natural Resources Ltd.” (APNRL) in the year 2008 after complying with the applicable provisions of the Companies Act, 1956.
- 1.10 ATEL, in October 2005, had signed a Memorandum of Understanding (hereinafter referred to as “the MoU”) with Government of Jharkhand to develop a 1,000 MW coal based thermal power plant. Further in January



2007, the Petitioner and Government of Jharkhand agreed to extend the validity period of the MoU further for a period of 12 months. In February 2008, the Petitioner and Government of Jharkhand agreed to extend the validity period of the MoU further for a period of three years upto October 31, 2010. Subsequently in May 2011, the validity of the MoU was again extended for a period of three years from November 1, 2010 to October 31, 2013. In November 2013, the validity of MoU was again extended for a period of three years from November 1, 2013 to October 31, 2016.

- 1.11 Accordingly, APNRL has set up a 540 MW coal-based power plant in Stage-1 (consisting of Unit 1 and Unit 2 of 270 MW each) and is planning to develop an additional 540 MW coal-based power plant in Stage-2. Unit 1 of the power plant was synchronized on November 13, 2012 and COD for the same was declared on January 21, 2013. Unit 2 of the power plant was synchronized on March 29, 2013 and COD for the same was declared on May 19, 2013.
- 1.12 Further, as per the provisions of the MOU, the Government of Jharkhand or Distribution Licensees authorized by it will have the first right of claim on purchase upto 25% of power delivered to the system by the proposed power station.
- 1.13 Further, the extension of the MoU stipulates that the Government of Jharkhand moved to Government of India for the policy decision through suitable arrangements for making available to the State, 12% of the total power generated at variable cost, by APNRL. Hence, as stated above, as per MoU and its extension's conditions, JSEB will have first right of claim on purchase upto 25% of power delivered to the system, out of which 12% power will be made available to the state at variable cost only.
- 1.14 Pursuant to the MoU signed between Government of Jharkhand and APNRL, APNRL signed a Power Purchase Agreement (hereinafter also referred to as "the PPA") with Jharkhand State Electricity Board (now Jharkhand Urja Vikas Nigam Limited or "JUVNL") on September 28, 2012 for supplying contracted capacity of 122.85 MW (25% of 491.4 MW, i.e., gross capacity of 2 units of 270 MW each, totaling to 540 MW less normative auxiliary consumption) from Stage-1 of the Project on long



term basis.

- 1.15 As per the terms of the PPA, 63.882 MW capacity, i.e., 13% of Net Capacity of Stage-1 shall be supplied to JSEB (now JUVNL) at total tariff and the balance 58.968 MW capacity, i.e. 12% of total Net Capacity of Stage-1 shall be supplied at variable cost only.
- 1.16 As per clause 3.1 (ii) and (iii) of the PPA entered into by the Petitioner and JSEB (now JUVNL), the tariff payable shall be determined by the State Commission:

3.1(ii) "The tariff for sale of power by seller to procurer for the contracted capacity of 63.882 MW shall be payable by the procurer as determined by JSERC in accordance with the "Jharkhand State Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff) Regulations, 2010 as amended from time to time or any other competent authority authorized from time to time. The annual fixed charges determined in accordance with the "Jharkhand State Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff) Regulations, 2010 shall be recoverable from the net saleable capacity of 432.432 MW (i.e. Gross capacity minus auxiliary consumption minus 12% power to be supplied to procurer at energy charge)".

3.1(iii) The energy charge for sale of power by seller to procurer for the contracted capacity of 59.968 MW shall be payable by the procurer as determined by the JSERC in accordance with the "Jharkhand State Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff) Regulations, 2010", as amended from time to time."

Overview of the Thermal Station

- 1.17 The Petitioner had achieved COD of its two units of 270 MW each in the year 2013. Both these units are subject to ARR and Tariff determination. The following table summarizes the information pertaining to both the units:

Sr. no.	Unit	Installed Capacity (MW)	Status of Operation	Actual Date of Commercial Operation
1	Unit 1	270 MW	Operational	January 21, 2013
2	Unit 2	270 MW	Operational	May 19, 2013

The Petitioner's Prayers

- 1.18 The Petitioner in this Petition has prayed before the Commission:



Business Plan, ARR and Tariff for MYT control Period FY 2026-27 to FY 2030-31

- a) Condone the delay in filing the instant petition and admit it;
- b) Approve the additional capital cost plan to be incurred for FY 2026-27 to FY 2030-31;
- c) Approve the full tariff (fixed+ variable cost) for supplying the contracted Capacity of 122.85 MW to DISCOM for the MYT period encompassing FY 2026-27 to FY 2030-31;
- d) Allow the Petitioner to bill and recover the cost incurred towards Ash disposal/ transportation charges, security expenses and Capital Spares from DISCOM for FY 2026-27 to FY 2030-31;
- e) The Petitioner respectfully seeks an opportunity to present their case prior to finalization of the tariff order. The Petitioner believes that such an approach would provide a fair treatment to all stakeholders and may eliminate the need of review or clarification;
- f) Approve the water charges projected by the Petitioner for FY 2026-27 to FY 2030-31 as detailed herein; and further be pleased to grant liberty to the petitioner to adjust and recover any liability towards water charges, together with any applicable penalties, as may arise pursuant to the final outcome of proceedings pending before the Hon'ble High Court of Jharkhand, Ranchi;
- g) Allow Shakti Discount as pass through;
- h) Allow recovery of the fixed charges for the 12% power supplied at variable cost and ensure expeditious disposal and resolution of the petitioner.
- i) Direct JBVNL to reconcile and release the outstanding dues for the short-term power supplied from February 2013 and May 2013, along with the applicable Late payment Surcharge of 15 % per annum.
- j) Condone any inadvertent omissions/ errors/ rounding off difference/ shortcomings and permit the Petitioner to add/alter this filing and make further submissions as may be required by the Hon'ble Commission;
- k) Allow the recovery of filing fees paid to the Hon'ble Commission and recovery of publication expenses from the beneficiaries, in accordance with Regulations;
- l) Pass such further and other Order, as the Commission may deem fit and proper, keeping in view the facts and circumstances of the case;
- m) Kindly share the workable excel model used by the Hon'ble Commission to work out the tariff;
- n) The Petitioner craves leave of this Commission to make/ submit additional submission/ documents in support and also craves leave of Hon'ble Commission to make oral submission in this regard.



Chapter 2: Procedural History



Chapter 2: Procedural History

Background

- 2.1 The Commission had passed Provisional Order on the Petition for approval of Capital Cost, Business Plan, and MYT Petition for FY 2012-13 to FY 2015-16 for Adhunik Power and Natural Resources Limited (APNRL) on May 26, 2014.
- 2.2 The Commission had passed Order on petition for approval of final Capital Cost of 540MW (2x270) Coal Based Thermal Power Plant in Jharkhand, True Up of ARR for FY 2012-13, FY 2013-14, APR of FY 2014-15 and ARR and Tariff Determination for FY 2015-16 on September 01, 2016. Further, the Petitioner filed a petition on September 29, 2016 seeking review of Order dated September 01, 2016. The Order, against the Review Petition, was issued by Commission on January 09, 2018.
- 2.3 The Commission had passed the True-up for FY 2014-15 and FY 2015-16, Business Plan, ARR and Tariff for Multi Year Tariff Period from FY 2016-17 to FY 2020-21 by Order dated February 19, 2018
- 2.4 The Commission had passed Corrigendum Order by the Commission in Case No. 05 of 2018 by Order dated April 10, 2019.
- 2.5 The Commission had passed Order on True-up for FY 2016-17 and Annual Performance Review for FY 2017-18 by Order dated May 22, 2023
- 2.6 The Commission has passed True-up for FY 2017-18, FY 2018-19, FY 2019-20 and APR for FY 2020-21 by order date June 22, 2023.
- 2.7 The Commission had passed Order on MYT & Business plan for 3rd Control period i.e. from FY 2021-22 to FY 2025-26 by Order dated December 14, 2023.
- 2.8 The Commission had passed review order case no. 17 of 2023 vide order dated July 23, 2024 based on principles specified in the JSERC Generation Tariff Regulations, 2015, and JSERC Generation Tariff Regulations 2025 along with amendment thereof.



Business Plan, ARR and Tariff for MYT control Period FY 2026-27 to FY 2030-31

- 2.9 The Commission had passed Order on True-Up for FY 2020-21 to FY 2022-23 by Order dated August 22, 2024.
- 2.10 The Commission had passed Order on True-Up for FY 2023-24 and APR for FY 2024-25 by Order dated April 30, 2025.
- 2.11 In the instant petition, the Petitioner has now sought approval from the Commission on Business Plan, Annual Revenue Requirement and Determination of Tariff for FY 2026-27 to FY 2030-31.

Inviting Public Comments/Suggestions

- 2.12 On scrutiny of the petition, the Commission directed the Petitioner to publish a Public Notice inviting comments/suggestions from public and to make available copies of the Petition to the members of general public on request.
- 2.13 Accordingly, Public Notice was published by the Petitioner in the newspapers and a period of twenty-one (21) days was given for submitting the comments/suggestions by the general public:

Table 1: List of newspapers and dates of publication of public notice by the Petitioner

Newspaper	Date of Publication
Dainik Jagran	15.01.2026
Hindustan	15.01.2026
Hindustan Times	15.01.2026
The Pioneer	15.01.2026
Prabhat Khabar	16.01.2026
Dainik Bhaskar	16.01.2026
The Times of India	16.01.2026
The Telegraph	16.01.2026

- 2.14 The Commission has published a Public Notice on its website www.jserc.org and various newspapers giving sufficient time to various Stakeholders to submit their comments/suggestions and also organized a Public Hearing on February 18, 2026 where an additional opportunity was provided to all the Stakeholders to submit their comments/suggestions on the above Petition. The newspapers wherein the Notice was published by the Commission are mentioned below:



Business Plan, ARR and Tariff for MYT control Period FY 2026-27 to FY 2030-31

Table 2: List of newspapers and dates of publication of public notice by the Commission.

Newspaper	Date of Publication
Prabhat Khabar	12.02.2026 & 17.02.2026
Hindustan	12.02.2026
The Times of India	12.02.2026 & 17.02.2026
The Pioneer	12.02.2026
Dainik Bhaskar	17.02.2026
The Hindustan Times	17.02.2026

Submission of Comments/Suggestions and Conduct of Public Hearing

2.15 Objections/Comments/Suggestions on the Petition were received. The Objections/ Comments/Suggestions of the Public, Petitioner's responses and Commission's views thereon are detailed in Chapter 4 of this Order.



Chapter 3: BRIEF FACTS OF THE PETITION



Chapter 3: BRIEF FACTS OF THE PETITION

3.1 The following Chapter summarizes the Petition of Business Plan, Annual Revenue Requirement and Determination of Tariff for FY 2026-27 to FY 2030-31 as filed by the Petitioner for the approval of Hon'ble Commission.

Business Plan for FY 2026-27 to FY 2030-31

Capital Expenditure and Capitalization

3.2 The details of capital expenditure proposed by APRNL during the 4th control period FY 2026-27 to FY 2030-31 are given below:

Table 3: Unit wise Capital Expenditure and additional Capitalization as submitted by the Petitioner.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Unit-I					
Land Under full title					
Land held under lease					
Plant and Machinery	7.68	13.78	2.77	3.31	3.17
Building & civil engineering works					
Transformer and others					
Others					
Any other assets not covered above					
Total	7.68	13.78	2.77	3.31	3.17
Unit-II					
Land Under full title					
Land held under lease					
Plant and Machinery	7.68	13.78	2.77	3.31	3.17
Building & civil engineering works					
Transformer and others					
Others					
Any other assets not covered above					
Total	7.68	13.78	2.77	3.31	3.17

Business Plan, ARR and Tariff for MYT control Period FY 2026-27 to FY 2030-31

3.3 The summary of operational parameters as submitted by the Petitioner for Stage I (2x270 MW) of the project for the period FY 2026-27 to FY 2030-31 is as follows:

Table 4: Operational Parameters for FY 2026-27 to FY 2030-31 as submitted by the Petitioner.

Particulars	UoM	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Unit-I						
NPAF	%	85.00	85.00	85.00	85.00	85.00
NPLF	%	85.00	85.00	85.00	85.00	85.00
Aux Power Consumption	%	9.00	9.00	9.00	9.00	9.00
Station Heat Rate	Kcal/kWh	2387	2387	2387	2387	2387
Specific Fuel oil Consumption	MI/kWh	0.50	0.50	0.50	0.50	0.50
Gross Generation	MUs	2010.42	2015.93	2010.42	2010.42	2010.42
Unit-II						
NPAF	%	85.00	85.00	85.00	85.00	85.00
NPLF	%	85.00	85.00	85.00	85.00	85.00
Aux Power Consumption	%	9.00	9.00	9.00	9.00	9.00
Station Heat Rate	Kcal/kWh	2387	2387	2387	2387	2387
Specific Fuel oil Consumption	MI/kWh	0.50	0.50	0.50	0.50	0.50
Gross Generation	MUs	2010.42	2015.93	2010.42	2010.42	2010.42

Aggregate Revenue Requirement (ARR)

3.4 The summary of Annual Revenue Requirement (ARR) as submitted by the Petitioner for Stage I (2x270 MW) of the project for the period FY 2026-27 to FY 2030-31 is as follows:

Table 5: Summary of AFC for Unit-I as submitted by the Petitioner (Rs. Crore).

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Depreciation	67.20	67.65	68.00	68.13	68.26
Interest on loan	30.32	18.96	7.31	0.77	0.43
O&M Expenses	87.84	89.83	91.98	94.07	96.16
Return on Equity	77.13	77.62	77.99	78.12	78.27
Interest on Working Capital	28.75	29.37	30.03	30.77	31.62
Less: Non-Tariff Income	6.40	6.40	6.40	6.40	6.40

Business Plan, ARR and Tariff for MYT control Period FY 2026-27 to FY 2030-31

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Total Annual Fixed Charges (excluding Water charge, ash handling, legal expenses)	284.73	277.02	268.91	265.46	268.34

Table 6: Summary of AFC for Unit-II as submitted by the Petitioner (Rs. Crore).

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Depreciation	67.76	68.21	68.56	68.69	68.83
Interest on loan	34.96	23.61	11.86	3.02	0.43
O&M Expenses	87.83	89.82	91.96	94.05	96.14
Return on Equity	77.71	78.19	78.57	78.70	78.85
Interest on Working Capital	28.86	29.47	30.13	30.83	31.65
Less: Non-Tariff Income	6.40	6.40	6.40	6.40	6.40
Total Annual Fixed Charges (excluding Water charge, ash handling, legal expenses)	290.72	282.91	274.68	268.89	269.50

Table 7: Energy Charge for Unit-I as submitted by the Petitioner for FY 2026-27 to FY 2030-31.

Particulars	Unit	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Aux Consumption	%	9%	9%	9%	9%	9%
Station Heat Rate	kCal/kWh	2,387	2,387	2,387	2,387	2,387
Weighted average GCV of Coal less 85kCal/Kg	kCal /kg	3,340.41	3,340.41	3,340.41	3,340.41	3,340.41
Secondary Oil Consumption	ml /kWh	0.50	0.50	0.50	0.50	0.50
GCV of Oil	Kcal/ml	9.39	9.39	9.39	9.39	9.39
Weighted avg. rate of Oil	Rs/ml	0.08	0.08	0.08	0.09	0.09
Weighted avg. rate of Coal	Rs / kg	4.60	4.74	4.89	5.05	5.23
Energy Charges	Rs./ kWh	3.648	3.763	3.880	4.002	4.127

Table 8: Energy Charge for Unit-II as submitted by the Petitioner for FY 2026-27 to FY 2030-31.

Particulars	Unit	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Aux Consumption	%	9%	9%	9%	9%	9%
Station Heat Rate	kCal/kWh	2,387	2,387	2,387	2,387	2,387
Weighted average GCV of Coal less	kCal /kg	3,340.41	3,340.41	3,340.41	3,340.41	3,340.41



Business Plan, ARR and Tariff for MYT control Period FY 2026-27 to FY 2030-31

Particulars	Unit	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
85kCal/Kg						
Secondary Oil Consumption	ml /kWh	0.50	0.50	0.50	0.50	0.50
GCV of Oil	Kcal/ml	9.40	9.40	9.40	9.40	9.40
Weighted avg. rate of Oil	Rs/ml	0.08	0.08	0.09	0.09	0.09
Weighted avg. rate of Coal	Rs / kg	4.60	4.74	4.89	5.05	5.23
Energy Charges	Rs./ kWh	3.650	3.764	3.882	4.002	4.129

Table 9: Tariff for 13% of total Net Capacity for Unit-I as submitted by the Petitioner (Fixed Cost).

Particulars	Derivation	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Gross Capacity	A	270.00	270.00	270.00	270.00	270.00
Auxiliary Consumption	B	9.00%	9.00%	9.00%	9.00%	9.00%
Net Capacity	$C = A \times (1-B)$	245.70	245.70	245.70	245.70	245.70
12% of net capacity for supply to JUVNL at Energy Charge	$D = C \times 12\%$	29.48	29.48	29.48	29.48	29.48
Remaining Capacity from which Fixed Charges are to be recovered	$E = C - D$	216.22	216.22	216.22	216.22	216.22
Total Annual Fixed Charge	F	284.73	277.02	268.91	265.46	268.25
Annual Fixed Charges/MW	$G = F/E$	1.32	1.28	1.24	1.23	1.24
13% of Net Capacity for supply to JUVNL at full tariff	$H = C \times 13\%$	31.94	31.94	31.94	31.94	31.94
AFC for 13% of Net Capacity	$I = G \times H$ (Rs. Crs)	42.06	40.92	39.73	39.21	39.64

Table 10: Tariff for 13% of total Net Capacity for Unit-II as submitted by the Petitioner (Fixed Cost).

Particulars	Derivation	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Gross Capacity	A	270.00	270.00	270.00	270.00	270.00
Auxiliary Consumption	B	9.00%	9.00%	9.00%	9.00%	9.00%
Net Capacity	$C = A \times (1-B)$	245.70	245.70	245.70	245.70	245.70
12% of net capacity for supply to JUVNL at Energy Charge	$D = C \times 12\%$	29.48	29.48	29.48	29.48	29.48
Remaining Capacity from	$E = C - D$	216.22	216.22	216.22	216.22	216.22



Business Plan, ARR and Tariff for MYT control Period FY 2026-27 to FY 2030-31

which Fixed Charges are to be recovered						
Total Annual Fixed Charge	F	290.72	282.91	274.68	268.80	269.40
Annual Fixed Charges/MW	$G=F/E$	1.34	1.31	1.27	1.24	1.25
13% of Net Capacity for supply to JUVNL at full tariff	$H= C \times 13\%$	31.94	31.94	31.94	31.94	31.94
AFC for 13% of Net Capacity	$I= G \times H$ (Rs. Crs)	42.95	41.79	40.58	39.72	39.81



Chapter 4: Public Consultation Process



Chapter 4: Public Consultation Process

- 4.1 A Public hearing was held by the Commission in February 18, 2026 for giving additional opportunity to all the stakeholders to submit their comments/suggestions on the said petition for ensuring maximum public participation and transparency. Accordingly, stakeholders voiced their comments and suggestions and the list of the attendees is attached as **Chapter-8** of this Order.
- 4.2 The comments and suggestions of the public along with the response of the Petitioner and the views of the Commission are summarized in this Chapter. The issues raised by the stakeholders, which do not have meaning to Business Plan, and ARR for MYT control period for FY 2026-27 to FY 2030-31 have not been discussed in this Chapter.

GCV Slippage of Coal

JBVNL's objections

- 4.3 The Petitioner has been allocated Coal of grade G-11 under SHAKTI Scheme for JBVNL, but the petitioner is raising the bills as per GCV of G-7 to G-9 grade of Coal. Due to grade slippage of coal JBVNL has to pay high fuel adjustment charges leading to high power procurement cost. The fuel adjustment price is high and should be scrutinized rigorously. Further, it should be looked in details if coal allocated for JBVNL is used to generate electricity for the state of Haryana and West Bengal.

Reply from APNRL

- 4.4 APNRL stated that the GCV variation of coal has been observed in the range of 15 % which is quite normal across different generating stations. Further, APNRL is also mindful of the impact of GCV variation on the generation cost of electricity and has taken up the matter with Coal India on various occasions. In addition to this it is to be mentioned that the price of coal has substantially increased due to increase in GST and levying of Mineral bearing cess by the state Government. Hence there is an increase in fuel price adjustment cost.

4.5 The Petitioner, APNRL, has submitted that it has separate coal allocations under the SHAKTI Scheme for different beneficiaries, namely JBVNL, Haryana, and West Bengal. The Petitioner has further submitted that, similar to JBVNL, other beneficiaries are also vigilant regarding their respective coal allocations. Accordingly, the Petitioner has contended that there is no likelihood of diversion or misuse of coal allocated to any specific beneficiary.

Commission Analysis

4.6 The Commission takes note of the submissions of the stakeholder and the response of the Petitioner and directs the petitioner to take measures to reduce the GCV variation of Coal and also take up the issue with the Coal India and resolve it.

Water Charges

JBVNL's objections

4.7 JBVNL submitted that the water charges are disputed and the matter is before Court of Law and hence its should not be allowed.

Reply from APNRL

4.8 APNRL has stated that it has proactively taken measures to minimize the use of water from earlier allocated 35.6 MCM per annum to 17.60 MCM thus the water charges have been reduced by at least 30 % and request the commission to consider the same.

Commission Analysis

4.9 The Commission has taken note of the submissions of the stakeholder and the response of the Petitioner.

Ash disposal and Transportation charges

JBVNL's objections

4.10 JBVNL submits that ash disposal and its transportation is very high even though the distance of its transportation is very less. So, any expenditure



related to the ash disposal and its transportation should not be passed on to the consumers.

Reply from APNRL

- 4.11 The Petitioner has submitted that ash disposal and transportation is the statutory requirement of the power plant. The Petitioner has been disposing off and transporting the Ash from its power station in accordance with the Government of India, Ministry of Environment, Forest & Climate Change (MOEFCC) notification dated 25.01.2016.
- 4.12 In connection with the above, it is submitted that the APNRL is trying to fulfill the MOEF guidelines for the Ash utilizations by giving Ash to cement plant / Ash brick manufacturing plant.

Commission Analysis

- 4.13 The Commission has taken note of the submissions of the stakeholder and the response of the Petitioner.

High Interest on term Loan

JBVNL's objections

- 4.14 JBVNL has submitted that the rate of interest on loan claimed by the Petitioner for APR of FY 2025-26 and the MYT control period is 18.77%, which is significantly higher than the prevailing market rates for comparable term loans. JBVNL has contended that such an elevated rate of interest is not justified and would impose an undue burden on consumers. Accordingly, JBVNL has urged the Commission to examine the reasons for availing loans at such high rates and to disallow or suitably rationalize the same in line with commercially prudent benchmarks.

Reply from APNRL

- 4.15 The Petitioner, APNRL, has submitted that the Company is under financial stress due to multiple factors, including low return on equity. The Petitioner further submitted that a bullet repayment obligation of its



Business Plan, ARR and Tariff for MYT Period FY 2026-27 to FY 2030-31

term loan arose during the year, necessitating availing of fresh term loan at a higher rate of interest. It has been contended that, owing to its prolonged history of debt restructuring, the Company faced constraints in accessing credit from lenders at competitive rates, and therefore had to secure financing at comparatively higher interest rates.

Commission Analysis

- 4.16 The Commission observes that the interest rate of 18.77% claimed by the Petitioner is significantly higher than the prevailing market rates for comparable term loans. Accordingly, directs it to take proactive steps to reduce the rate of interest.



Chapter 5: BUSINESS PLAN FOR THE MYT CONTROL PERIOD FY 2026-27 to FY 2030-31.



Chapter 5: BUSINESS PLAN FOR THE MYT CONTROL PERIOD FY 2026-27 to FY 2030-31.

5.1 The Commission has outlined clause 6.5 and clause 6.6 of JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2025, for the approval of Business plan and Tariff for MYT Control period FY 2026-27 to FY 2030-31 as reproduced below:

“Business Plan

6.5 Each Generating Company shall file for the Commission’s approval a Business Plan approved by an authorized signatory, as per the timelines specified in Section A 39 of these Regulations.

6.6 The Business Plan shall be for the entire Control Period and shall inter-alia contain: -

a) Capital Investment Plan: The Generating Company shall submit the Capital Investment Plan for the entire Control Period, detailing the investments planned by the Generating Company along with the corresponding capitalization schedule and financing plan. This Plan shall also include capacity enhancement plan, if any, and proposed efficiency improvements and its cost benefit analysis. It shall also submit plant-wise details of Capital Structure and cost of Financing (interest on Debt) and return on equity, after considering the existing market conditions, terms of the existing loan agreements, risk associated in generating business and creditworthiness;

b) Operational Plan: A set of targets proposed for performance parameters such as Annual Plant Availability Factor (PAF), Plant Load Factor (PLF), Gross Station Heat Rate (SHR), Secondary Fuel Oil Consumption, Auxiliary Power Consumption (Aux)etc., and shall also include Unit-wise Outage Plan;

c) Human Resource Plan: Human Resource Plan with manpower planning including details of the estimated year wise manpower addition and retirements for the Control Period to run the power plant efficiently and effectively;

d) Proposals for Non-Tariff Income with item-wise description and details;

e) Proposals in respect of income from Other Business; and

Business Plan shall also contain the requisite information for the preceding Control Period:

Provided that requisite information for the preceding Control Period shall include year-wise audited data on Scheme-wise capital investment, capacity enhancement plan, if any, proposed efficiency improvements and its cost benefit analysis, quality improvement measures undertaken, Employee Expenses,



Business Plan, ARR and Tariff for MYT Period FY 2026-27 to FY 2030-31

Repair & Maintenance Expenses and A&G Expenses along with detailed break up and any other information used for preparing projections of various performance parameters and other components during the Control Period. In case of a new generating plant, such information is required to be submitted for the period of operations up to the start of the Control Period.

Operational Plan

Plant Availability Factor (PAF)

Petitioner's Submission

5.2 The Petitioner has projected the Plant Availability Factor as 85.00% for both units.

Commission's Analysis

5.3 In accordance with clause 16.1 of JSERC Generation Tariff Regulation 2025, the Commission approve the Normative Plant Availability factor as given below.

Table 11: Plant Availability Factor as approved by the Commission for Unit-I & Unit-II

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
NPAF	85.00%	85.00%	85.00%	85.00%	85.00%

Auxiliary Consumption

Petitioner's Submission

5.4 The Petitioner has projected the Auxiliary Consumption as 9.00% for both units.

Commission's Analysis

5.5 In accordance with clause 16.1 of JSERC Generation Tariff Regulation 2025, the Commission approves the auxiliary consumption as given below.

Table 12: Auxiliary Consumptions as approved by the Commission for both Units.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
AUX	9.00%	9.00%	9.00%	9.00%	9.00%

Plant Load Factor and Generation

Petitioner’s Submission

5.6 The Petitioner has projected the Plant Load Factor and gross generation as 85.00% and 2010.42 MUs respectively for both units for the control period FY 2026-27 to FY 2030-31, however, for FY 2027-28 it has projected the gross generation of 2015.93 for both units.

Commission’s Analysis

5.7 In accordance with clause 16.1 of JSERC Generation Tariff Regulation 2025, the Commission approves the Plant Load Factor and Normative Gross Generation as given below.

Table 13: Plant Load Factor and Generation as approved by the Commission

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Unit-I					
NPLF	85.00%	85.00%	85.00%	85.00%	85.00%
Gross Generation	2010.42	2015.93	2010.42	2010.42	2010.42
Unit-II					
NPLF	85.00%	85.00%	85.00%	85.00%	85.00%
Gross Generation	2010.42	2015.93	2010.42	2010.42	2010.42

Gross Station Heat Rate (GSHR)

Petitioner’s Submission

5.8 The Petitioner has projected the Gross Station Heat Rate (GSHR) as 2387.00 kCal/kWh for both units.

Commission’s Analysis

5.9 In accordance with clause 16.1 of JSERC Generation Tariff Regulation 2025, the Commission approves the Normative GSHR as 2387.00 kCal/kWh for both units.

Table 14: Gross Station Heat Rate (GSHR) as approved by the Commission.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Unit-I					
GHR (kCal/kWh)	2387.00	2387.00	2387.00	2387.00	2387.00
Unit-II					
GHR (kCal/kWh)	2387.00	2387.00	2387.00	2387.00	2387.00

Specific Fuel Oil Consumption

Petitioner's Submission

5.10 The Petitioner has projected the Specific Fuel Oil Consumption as 0.5 ml/kWh for both units.

Commission's Analysis

5.11 In accordance with clause 16.1 of JSERC Generation Tariff Regulation 2025, the Commission approves the specific fuel oil consumption as 0.50 ml/kWh for both the Units as given below.

Table 15: Specific Fuel Oil Consumption as approved by the Commission

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Unit-I					
Specific fuel Oil Consumption	0.50	0.50	0.50	0.50	0.50
Unit-II					
Specific fuel Oil Consumption	0.50	0.50	0.50	0.50	0.50

Transit Loss

Petitioner's Submission

5.12 The Petitioner has projected the transit loss as 0.80 % for primary fuel from domestic market for both the units.

Commission's Analysis

5.13 In accordance with clause 17.11 of JSERC Generation Tariff Regulation 2025, the Commission approves the transit loss as 0.80 % for both the Units as given below.

Table 16: Transit Loss as approved by the Commission for both the Unit.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Unit-I					
Transit Loss	0.80%	0.80%	0.80%	0.80%	0.80%
Unit-II					
Transit Loss	0.80%	0.80%	0.80%	0.80%	0.80%

Capital Investment Plan

Petitioner's Submission

5.14 The petitioner has provided a comprehensive detail of the proposed additional capital expenditure (CAPEX) for a generating station over the five-year period from FY 2026-27 to FY 2030-31. The total projected additional capitalisation across this period is Rs. 61.41 Crore.

5.15 The primary reason for these expenditures is the aging of critical plant assets—many of which have reached or exceeded their 14-to-15-year design life—technological obsolescence, and the necessity of maintaining operational reliability and safety. Significant investments are also directed toward statutory compliance, particularly regarding environmental mandates such as treated sewage water utilization and Indian Boiler Regulations (IBR).

5.16 A substantial portion of the budget is allocated to high-value capital spares with long procurement lead times (9–12 months) and critical system upgradations (SCADA, PLC, and Grid Interfaces) to ensure continued integration with regional transmission networks and adherence to evolving grid codes.

Table 17: Details of additional capitalization proposed by the petitioner.

S.No.	Financial Year	Items requiring capitalisation	Amount (Rs Cr)
1.	FY 2026-27	Stator Bars, PGCIL End Kiosk, Boiler/Turbine spares	15.36
2.	FY 2027-28	Sewage Treatment Plant (STP), Exciter Rotor, Boiler safety	27.55



Business Plan, ARR and Tariff for MYT Period FY 2026-27 to FY 2030-31

S.No.	Financial Year	Items requiring capitalisation	Amount (Rs Cr)
3.	FY 2028-29	CHP Bucket Wheel Drive, Boiler Pressure Parts, Transformers	5.54
4.	FY 2029-30	SCADA Upgradation, ESP Controllers, GRP systems	6.61
5.	FY 2030-31	AVR Upgradation, Circuit Breakers, Conveyor Belting	6.35
		Total	61.41

The Petitioner pray to the Hon'ble Commission to allow the above additional expenditure under Regulation 14.3 (c) of JSERC Regulation Generation Regulation, 2025. A brief heading under which the petitioner has sought additional capitalization is as follows:

Boiler and Mechanical Systems

The integrity of the boiler system is a high priority, with repeated focus on "Safety-critical components."

- **Pressure Parts:** Ongoing replacement of Superheater vertical platen coil assemblies, economizer coils, and burner coal nozzles is necessary due to "high flue gas velocity" and "abrasive particle impact."
- **Statutory Compliance:** Many boiler works are mandatory under the Indian Boiler Regulations (IBR), requiring authorized supervision and compliance with safety limits

Electrical and Protection Systems:

The Petitioner aims to modernize its electrical infrastructure to prevent cascading failures.

- **Exciter Rotor (Rs. 10.00 Cr):** A critical high-value asset responsible for DC excitation. Its specialized manufacturing makes a capital spare essential for grid stability.



Business Plan, ARR and Tariff for MYT Period FY 2026-27 to FY 2030-31

- **Relay Systems:** Upgrading Generator Relay Protection (GRP) and 400 kV Switchyard Relays to digital/numerical versions to improve fault detection accuracy and communication with SCADA/DCS

Coal and Ash Handling Plants (CHP/AHP)

The petitioner aims to efficiently handle ash handling and wish to maintain through cyclic replacements of consumable but critical assets.

- **Conveyor Belting:** The typical service life of belts is cited as 5 years. Regular capitalisation of various belt grades (NN 630/4, EP 800/4) is proposed to prevent material spillage and unplanned shutdowns.
- **AHP Vacuum Systems:** Vacuum pump assemblies in the Ash Handling Plant are critical for environmental compliance and safe working conditions; existing units have been in service for over 14 years.

Environmental and Water Systems:

The Petitioner has submitted that a significant capital is directed toward regulatory environmental mandates.

- **Sewage Treatment Plant (STP) Project (Rs. 13.00 Cr):** Driven by the Tariff Policy 2016 and Ministry of Power (MoP) directives, which mandate that thermal plants within 50 km of a municipal STP must utilize treated sewage water. This includes laying pipelines and constructing a Tertiary Treatment Plant (TTP).
- **Electrostatic Precipitator (ESP):** Upgrading BAPCON/ARECCA controllers and HVR transformers to ensure particulate emission control complies with CPCB and State Pollution Control Board norms

5.17 Accordingly, the Petitioner pray to the Commission to allow the additional capital expenditures of Rs. 15.36 Crores for FY 2026-27, Rs. 27.55 Crores for FY 2027-28, Rs. 5.54 Crores for FY 2028-29, Rs. 6.61 Crores for FY 2029-30 and Rs. 6.35 Crores for FY 2030-31 is towards the capital expenditure incurred after the cut-off date as per Regulation 14.3(a), 14.3 (c) and 14.4(d) of Generation Regulations, 2025 as shown below:

Table 18: Details of additional capital expenditure (Rs Crore) under plant and machinery as proposed by the Petitioner for both Units.

Business Plan, ARR and Tariff for MYT Period FY 2026-27 to FY 2030-31

Particulars	Heads	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Boiler & Aux	Steam Generator Island	0.26	0.45	0.86	0.68	0.64
Turbine & BoP	Turbine Generator Island	0.16	0.15	0.12	0.06	0.12
Electrical	Transformer, Switchgear, cable	6.21	5.67	0.47	1.76	1.47
Planning	Planning System	0.13	-	-	-	-
Ash Handling	Ash handling Syatem	0.16	0.19	0.16	0.16	0.19
Control & Instrumentation	Steam Generator Island	0.39	0.23	0.33	0.15	0.13
Coal Handling Plant	Coal Handling system	0.34	0.58	0.70	0.35	0.51
Water Treatment Plant	DM Water Plant	0.06	6.52	0.14	0.15	0.13
Total Financial Year Wise		7.68	13.78	2.77	3.31	3.17
Grand Total		61.41				

Table 19: Additional Capitalization as projected by the Petitioner

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Unit-I					
Land Under full title					
Land held under lease					
Plant and Machinery	7.68	13.78	2.77	3.31	3.17
Building & civil engineering works					
Transformer and others					
Others					
Any other assets not covered above					
Total	7.68	13.78	2.77	3.31	3.17
Unit-II					
Land Under full title					
Land held under lease					
Plant and Machinery	7.68	13.78	2.77	3.31	3.17
Building & civil engineering works					
Transformer and others					
Others					



Business Plan, ARR and Tariff for MYT Period FY 2026-27 to FY 2030-31

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Any other assets not covered above					
Total	7.68	13.78	2.77	3.31	3.17

Commission's Analysis

5.18 The Commission has outlined clause 6.6 (a) of JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020, for the approval of capital investment plan for MYT Control period FY 2026-27 to FY 2030-31 as reproduced below:

“Business Plan

6.6 The Business Plan shall be for the entire Control Period and shall inter-alia contain: -

a) Capital Investment Plan: The Generating Company shall submit the Capital Investment Plan for the entire Control Period, detailing the investments planned by the Generating Company along with the corresponding capitalization schedule and financing plan. This Plan shall also include capacity enhancement plan, if any, and proposed efficiency improvements and its cost benefit analysis. It shall also submit plant-wise details of Capital Structure and cost of Financing (interest on Debt) and return on equity, after considering the existing market conditions, terms of the existing loan agreements, risk associated in generating business and creditworthiness;

5.19 On Scrutinizing and analyzing the proposal, the Commission is of the view that the additional capitalization may be necessary for efficient operation of the generation station. The details of the proposal are annexed in **Chater-9** of this Order.

5.20 Further, it has been observed that the petitioner has not submitted the decapitalization value of any asset it planned to replace in its petition. Once the asset is replaced, the residual value of the asset has to be removed from the books of the generating station. The petitioner is hereby directed to submit the decapitalization value during true up.

5.21 Based on the facts and circumstance, the Commission approves the Capital expenditure plan and capitalization for control period FY 2026-27 to FY 2030-31as summarized below.

Table 20: Additional Capital Expenditure as approved by the Commission.

Business Plan, ARR and Tariff for MYT Period FY 2026-27 to FY 2030-31

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Unit-I					
Land Under full title					
Land held under lease					
Plant and Machinery	7.68	13.78	2.77	3.31	3.17
Building & civil engineering works					
Transformer and others					
Others					
Any other assets not covered above					
Total	7.68	13.78	2.77	3.31	3.17
Unit-II					
Land Under full title					
Land held under lease					
Plant and Machinery	7.68	13.78	2.77	3.31	3.17
Building & civil engineering works					
Transformer and others					
Others					
Any other assets not covered above					
Total	7.68	13.78	2.77	3.31	3.17

5.22 In accordance with clause 6.8 to 6.10 of the JSERC Generation Tariff Regulations, 2025, the Commission shall review the capital expenditure and capitalization actually done by the Petitioner at the end of each year. The relevant regulations are mentioned below.

“6.8 During the Annual Performance Review, the Commission shall monitor the year-wise progress of the actual capital expenditure incurred by the Generating Company vis-à-vis the approved capital expenditure. The Generating Company shall submit the actual capital expenditure incurred along with the Annual Performance Review Filing.

6.9 The Commission shall review the actual capitalisation at the end of each year of the Control Period vis-à-vis the approved capitalisation schedule and shall true up the ARR based on actual capitalisation for the year for which True up has been filed and also revise the ARR components for the year for which APR

and Tariff have been sought.

6.10 In case the capital expenditure is required for emergency work, which has not been approved in the Capital Investment Plan, the Generating Company shall submit an application containing all relevant information along with reasons justifying emergency nature of the proposed work seeking approval of the Commission:

Provided that in case the capital expenditure is required for emergency work or unforeseen situation to mitigate threat to life and property and if prior intimation thereof to the Commission shall cause any irreparable loss or injury, the Generating Company may undertake such capital expenditure and submit the details for post-facto approval of the Commission along with next Tariff Petition with all relevant details.

Financing of Capital Expenditure Plan

Petitioner's Submission

5.23 The Petitioner has considered the financing of the aforementioned value of Gross Fixed Assets in a Debt: Equity ratio of 70: 30.

Table 21: Financing of Capital Expenditure Plan as submitted by the Petitioner.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Unit-I					
Capital Expenditure Plan	7.68	13.78	2.77	3.31	3.17
Normative Equity	2.30	4.13	0.83	0.99	0.95
Normative Loan	5.38	9.64	1.94	2.31	2.22
Unit-II					
Capital Expenditure Plan	7.68	13.78	2.77	3.31	3.17
Normative Equity	2.30	4.13	0.83	0.99	0.95
Normative Loan	5.38	9.64	1.94	2.31	2.22

Commission's Analysis

5.24 The Commission has outlined clause 15.6 and clause 15.7 of JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2025, for the approval of Debt-Equity Ratio for MYT Control period FY 2026-27 to FY 2030-31 as reproduced below:

"Debt-Equity Ratio

15.6 Existing Projects: For existing projects declaring Commercial Operation on or before April 01, 2026, the following Capital Structure is allowed: -

1. Debt-Equity ratio allowed by the Commission for determination of tariff for the period ending March 31, 2026 shall be considered;
2. In case of the generating station declared under commercial operation prior to April 01, 2026, but where debt-equity ratio has not been determined by the Commission for determination of tariff for the period ending March 31, 2026, the Commission shall approve the debt-equity ratio in accordance with Clause 15.7 of these Regulations.
3. Any expenditure incurred or projected to be incurred on or after April 01, 2026, as may be admitted by the Commission as additional capital expenditure for determination of tariff and renovation and modernisation expenditure for life extension shall be serviced in the manner as specified in Clause 15.7 of these Regulations.

15.7 New Projects: For new projects, declaring Commercial Operation on or after April 01, 2026, the following Capital Structure is allowed: -

1. Normative debt-equity ratio of 70:30 shall be considered for the purpose of determination of Tariff.
2. In case the actual equity employed is in excess of 30%, the amount of equity for the purpose of tariff determination shall be limited to 30%, and the balance amount shall be considered as normative loan;
3. In case the actual equity employed is less than 30%, the actual debt-equity ratio shall be considered.;"

5.25 In accordance with Clause 15.6 & 15.7 of Regulations, 2025, the Commission approved normative equity to the tune of 30% and considered the remaining 70% as normative debt. Further, the Petitioner is directed to submit the detail of actual equity infusion towards capital assets at the time of True up. The financing of the additional capitalization as approved by the Commission is tabulated below.

Table 22: Financing of Capital Expenditure Plan as approved by the Commission.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Unit-I					
Capital Expenditure Plan	7.68	13.78	2.77	3.31	3.17

Business Plan, ARR and Tariff for MYT Period FY 2026-27 to FY 2030-31

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Normative Equity	2.30	4.13	0.83	0.99	0.95
Normative Loan	5.38	9.64	1.94	2.31	2.22
Unit-II					
Capital Expenditure Plan	7.68	13.78	2.77	3.31	3.17
Normative Equity	2.30	4.13	0.83	0.99	0.95
Normative Loan	5.38	9.64	1.94	2.31	2.22

Non-Tariff Income

Petitioner’s Submission

5.26 The Petitioner has projected Non-Tariff Income for MYT control period FY 2026-27 to FY 2030-31 as shown below.

Table 23: Non-Tariff Income as submitted by the Petitioner.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Unit-I					
Non-Tariff Income	6.40	6.40	6.40	6.40	6.40
Unit-II					
Non-Tariff Income	6.40	6.40	6.40	6.40	6.40

Commission’s Analysis

5.27 The Commission approves Non-Tariff Income same as Petitioner Projection for MYT control period FY 2026-27 to FY 2030-31 and directed the Petitioner to submit detailed description regarding non-tariff income at the time of True-up.

Table 24: Non-Tariff Income as approved by the Commission.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Unit-I					
Non-Tariff Income	6.40	6.40	6.40	6.40	6.40
Unit-II					
Non-Tariff Income	6.40	6.40	6.40	6.40	6.40



Chapter 6: DETERMINATION OF TARIFF FOR THE MYT CONTROL PERIOD FY 2026-27 TO FY 2030-31.



Chapter 6: DETERMINATION OF TARIFF FOR THE MYT CONTROL PERIOD FY 2026-27 TO FY 2030-31.

6.1 The Petitioner, in the instant Petition has outlined the Operational and financial projections for APRNL Unit-I and Unit-II and has computed each element of ARR for the 4th Control Period i.e. FY 2026-27 to FY 2030-31, taking into the following consideration:

- Norms and Principles outlined in the JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations 2025;
- Multi Year Tariff Business Plan covering Operational and Financial Plan submitted for the Control Period from FY 2026-27 to FY 2030-31;
- Actual Operational and Financial Performance of the last Control Period i.e. FY 2020-21 to FY 2024-25 along with the performance parameters to be used for the Base Year i.e. FY 2025-26;

6.2 In accordance with the JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations 2025, the Commission has scrutinized the Petition filed by the Petitioner for determination of Generation Tariff for the MYT Control Period i.e. FY 2026-27 to FY 2030-31. The component-wise description of the Petitioner's submission and the Commission's analysis thereon is given below.

Operational Performance

Petitioner's Submission

6.3 The Petitioner has projected the Operational Performance Parameters in accordance with JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations 2025.

Commission's Analysis

6.4 The Commission approve the Operational Performance Parameters for MYT Control Period FY 2026-27 to FY 2030-31 in **chapter 5**.

Fuel Cost Parameter

Coal Mix, landed price of Coal, Transit Loss and (GCV) of Primary Fuel

Petitioner's Submission

- 6.5 The Petitioner in the instant petition has worked the allowable energy charges for the control period FY 2026-27 to FY 2030-31 encompassing the financial years FY 2026-27 to FY 2030-31, on the basis of operational norms applicable to it as provided in the JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2025 and on the basis of estimated fuel cost and GCV of primary fuel and secondary fuel.
- 6.6 The Petitioner submitted that coal availability varies seasonally, so estimating the Energy Charge Rate (ECR) based on only three months of data would not be realistic. Therefore, FY 2024–25 data on coal and secondary oil consumption has been used to project ECR for FY 2026–27 to FY 2030–31.
- 6.7 As per JSERC Tariff Regulations, 2020, the Petitioner has considered 0.8% transit loss for coal for non-pithead plants, which is included in the landed cost of coal, and stacking loss of 85 kcal/kg in GCV (as received).
- 6.8 The Petitioner also submits that coal allocated under the SHAKTI B-II scheme for supply to JBVNL requires tariff discounts of 3, 8, and 10 paisa/kWh. These discounts are not included in the ECR calculation and are instead adjusted separately through monthly credit notes issued to JBVNL.
- 6.9 The coal procurement mix of FY 2024–25 has been considered as the basis for estimating ECR for the control period FY 2026–27 to FY 2030–31.
- 6.10 In view of the above, the Petitioner pray to the Hon'ble Commission to.

Table 25: Source Wise Coal Mix plan for FY 2026-27 to FY 2030-31 as submitted by the Petitioner.

Particulars	UoM	UNIT-I	UNIT-II
Linkage Coal	%	77.71	77.71
Other Coal (e-auction Open Market etc)	%	22.29	22.29
Total	%	100.00	100.00

6.11 The Petitioner has submitted the details of GCV of coal procured in FY 2024-25 from various sources as depicted in the table below:

Table 26: GCV of Coal from various source as submitted by the Petitioner.

Particulars	UoM	UNIT-I	UNIT-II
Linkage Coal	kCal/kg	3,460.20	3,460.20
Other Coal (e-auction Open Market etc)	kCal/kg	3,304.15	3,304.15
Total	kCal/kg	3425.41	3425.41

6.12 The petitioner has considered the same GCV of the Coal for FY 2024-25 for projection the GCV for control period FY 2026–27 to FY 2030–31.

6.13 The Petitioner has submitted that several government notifications have increased the cost of coal procured from CCL under the SHAKTI scheme. The Coal Bearing Land Cess introduced by the Government of Jharkhand has been progressively increased from ₹100/MT to ₹450/MT. Further, the revision in royalty calculation methodology by the Department of Mines has resulted in an additional cost of about ₹207/MT. The Government of India also revised GST on coal from 5% to 18% while removing the GST Compensation Cess of ₹400/MT. Additionally, CCL issued a notification regarding reimbursement of composition charges. All these factors have substantially increased the cost of coal for the generating station. The petitioner also submitted that all these notifications are considered as “change in law” and has been considered while projecting the coat of Coal. Further, the petitioner has used escalation rate of 3.13% year on year to derive the year wise cost of coal for MYT period i.e FY 2026-27 to FY 2030-31.

6.14 The Petitioner has submitted the details of cost of coal procured in FY 2024-25 from various sources as depicted in the table below:

Table 27: Cost of Coal including transit loss from various source as submitted by the Petitioner.

Particulars	UoM	UNIT-I	UNIT-II
Linkage Coal	Rs/MT	3,608.41	3,608.41

Business Plan, ARR and Tariff for MYT Period FY 2026-27 to FY 2030-31

Particulars	UoM	UNIT-I	UNIT-II
Other Coal (e-auction Open Market etc)	Rs/MT	4,860.62	4,860.62
Total	Rs/MT	3,887.59	3,887.59

6.15 The projection of coal cost by the petitioner for FY 2026-27 to FY 2030-31 for Unit-I and Unit-II as depicted in the table below:

Table 28: Cost of Coal from various source for Unit-I & Unit -II as submitted by the Petitioner

Particulars	UoM	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Weighted Average GCV	Kcal/Kg	3425.41	3425.41	3425.41	3425.41	3425.41
Weighted Average GCV less 85 kCal/Kg	Kcal/Kg	3340.41	3340.41	3340.41	3340.41	3340.41
Weighted Average rate	Rs/MT	4563.21	4706.12	4853.50	5005.50	5162.26

Commission’s Analysis

6.16 The Commission has observed that the Petitioner is procuring coal allocated through SHAKTI II linkage and also providing the appropriate discount to the beneficiary. The coal procurement has been streamlined under the above-mentioned linkage.

6.17 Considering the facts and circumstance of the Petition and after due diligence, the Commission approve the coal mix for Unit-I and Unit-II as given below.

Table 29: Source Wise Coal Mix plan for FY 2026-27 to FY 2030-31as approved by the Commission.

Particulars	UoM	UNIT-I	UNIT-II
Linkage Coal	%	77.71	77.71
Other Coal (e-auction Open Market etc)	%	22.29	22.29
Total	%	100.00	100.00

6.18 The Commission has observed that the Petitioner has projected the GCV of the primary fuel based on the actual value of GCV procured in FY 2024-25. Accordingly, the Commission provisionally approves the GCV in

Business Plan, ARR and Tariff for MYT Period FY 2026-27 to FY 2030-31

accordance to clause 17.10 of JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2025, subject to truing up based on actuals.

Table 30: GCV of Coal for FY 2026-27 to FY 2030-31 as approved by the Commission.

Particulars	UoM	UNIT-I	UNIT-II
Linkage Coal	kCal/Kg	3,460.20	3,460.20
Other Coal (E- auction, open market etc)	kCal/Kg	3,304.15	3,304.15
Total	kCal/Kg	3425.41	3425.41

6.19 Further, the commission observed that the petitioner has incorporated the new charges levied by the state government and also incorporated the projected impact of new pricing mechanism of by CCL on the coal prices. In addition to that the petitioner has escalated the coal price year on year by a factor for 3.13 %. The commission after detailed deliberation hereby provisionally allows the impact of new price mechanism of Coal and also the impact of new charges levied by the Government. However, the Commission has not allowed the year-on-year escalation of coal price projected by the petitioner as the same can be dealt and under Fuel Price and Power Purchase Adjustment (FPPPA) mechanism as and when required.

6.20 Accordingly, the approved the Cost of coal from various sources (Rs/MT) for the Control Period FY 2026-27 to FY 2030-31 is shown below:

Table 31: Cost of Coal for FY 2026-27 to FY 2030-31 for Unit-I & Unit-II as approved by the Commission.

Particulars	UoM	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Weighted Average GCV	Kcal/Kg	3425.41	3425.41	3425.41	3425.41	3425.41
Weighted Average GCV less 85 kCal/Kg	Kcal/Kg	3340.41	3340.41	3340.41	3340.41	3340.41
Weighted Average rate	Rs/MT	4424.61	4424.61	4424.61	4424.61	4424.61

Calorific value and Cost of Secondary Fuel

Petitioner’s Submission

6.21 Similarly, the petitioner has projected the secondary oil details for FY 2026-27 to FY 2030-31. The summary of secondary oil projected are depicted below:

Table 32: Cost of Secondary Oil for Unit-I as submitted by the Petitioner

Particulars	UoM	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Weighted Average GCV	Kcal/Litre	9391.04	9391.04	9391.04	9391.04	9391.04
Weighted Average rate	Rs/KL	78602.55	81064.17	83602.87	86221.08	88921.29

Table 33: Cost of Secondary Oil for Unit-2 as submitted by the Petitioner

Particulars	UoM	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Weighted Average GCV	Kcal/Litre	9391.04	9391.04	9391.04	9391.04	9391.04
Weighted Average rate	Rs/KL	81991.48	84559.22	87207.38	89938.48	92755.10

Commission’s Analysis

6.22 Considering the fact that the landed price of secondary fuel is volatile and depends on the market supply and demand, the Commission approve the calorific value and landed price of Secondary Fuel without any escalation for now and directs the Petitioner to provide the auditor certificate at the time of true-up.

Table 34: Calorific value & Landed Price of Secondary fuel for Unit-I for the Control Period FY 2026-27 to FY 2030-31 as approved by the Commission.

Particulars	UoM	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Weighted Average GCV	Kcal/Litre	9391.04	9391.04	9391.04	9391.04	9391.04
Landed Price of Oil	Rs/KL	78602.55	78602.55	78602.55	78602.55	78602.55

Table 35: Calorific value & Landed Price of Secondary fuel for Unit-I for the Control Period FY 2026-27 to FY 2030-31 as approved by the Commission.

Particulars	UoM	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Weighted Average GCV	Kcal/Litre	9391.04	9391.04	9391.04	9391.04	9391.04
Landed Price of Oil	Rs/KL	81991.48	81991.48	81991.48	81991.48	81991.48

Energy Charge Rate (ECR)

Petitioner’s Submission

6.23 The Petitioner has estimated the Energy Charge Rate (ECR) of Unit-I & Unit-II for FY 2026-27 to FY 2030-31 as depicted in the below tables respectively before taking into account the discount of Shakti Coal Linkage and also considering the new price mechanism of CCL and surcharges levied by the Government.

6.24 The Petitioner has worked out the variable charge for the control period FY 2026-27 to FY 2030-31 by considering the cost of primary and secondary fuel oil and escalating the same with the escalation factor of 3.13%.

Table 36: Energy Charge for Unit-I as submitted by the Petitioner for FY 2026-27 to FY 2030-31.

Particulars	UoM	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Normative Aux	%	9%	9%	9%	9%	9%
Normative Heat Rate	Kcal/Kwh	2387.00	2387.00	2387.00	2387.00	2387.00
Normative Specific Oil consumption	ml / kWh	0.50	0.50	0.50	0.50	0.50
Calorific value of Oil	Kcal/ml	9.39	9.39	9.39	9.39	9.39
Weighted avg cost of oil	Rs/ml	0.08	0.08	0.08	0.09	0.09
Wt avg cost of coal	Rs/Kg	4.60	4.74	4.89	5.05	5.23
Weighted avg GCV of coal	Kcal/kg	3,340.41	3,340.41	3,340.41	3,340.41	3,340.41
Energy Charge Rate (ECR)	Rs/kWh	3.648	3.763	3.880	4.002	4.127

Table 37: Energy Charge for Unit-II as submitted by the Petitioner for FY 2026-27 to FY 2030-31.

Particulars	UoM	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Normative Aux	%	9%	9%	9%	9%	9%
Normative Heat Rate	Kcal/Kwh	2387.00	2387.00	2387.00	2387.00	2387.00
Normative Specific Oil consumption	ml / kWh	0.50	0.50	0.50	0.50	0.50
Calorific value of Oil	Kcal/ml	9.40	9.40	9.40	9.40	9.40
Weighted avg cost of oil	Rs/ml	0.08	0.08	0.09	0.09	0.09
Wt avg cost of coal	Rs/Kg	4.60	4.74	4.89	5.05	5.23



Business Plan, ARR and Tariff for MYT Period FY 2026-27 to FY 2030-31

Weighted avg GCV of coal	Kcal/kg	3,340.41	3,340.41	3,340.41	3,340.41	3,340.41
Energy Charge Rate (ECR)	Rs/kWh	3.650	3.764	3.882	4.004	4.129

Commission's Analysis

6.25 The Commission has outlined clause 17.7, clause 17.8 of JSERC Generation Tariff Regulation, 2025 for the approval of the Energy Charge Rate (ECR) as reproduced below:

“17.7 The energy (variable) charge shall cover primary fuel and secondary fuel costs and limestone consumption cost (where applicable) and shall be payable by every beneficiary for the total energy scheduled to be supplied to such beneficiary during the calendar month on ex-power plant basis, at the specified energy charge rate of the month (with fuel price adjustment and limestone adjustment). The total energy charge payable to the Generating Company for a month shall be:

Energy charge = Energy charge rate (in Rs. /kWh) x Scheduled energy (Ex-bus) for the month (in kWh.)

17.8 Energy charge rate (ECR) in Rupees per kWh on ex-power plant basis shall be determined to three decimal places in accordance with the following formulae:

a) For coal based stations and lignite fired station:

$$\text{Energy Charge Rate (ECR)} = \{(SHR - SFC \times CVSF) \times LPPF / CVPF + SFC \times LPSFi + LC \times LPL\} \times 1 / (1 - AUX)$$

Where,

AUX - Normative auxiliary energy consumption (%);

CVPF- (a) Weighted Average Gross calorific value of coal as received, in kCal per kg for coal-based stations less 85 Kcal/Kg on account of variation during storage at generating station;

(b) Weighted Average Gross calorific value of primary fuel as received in kCal per kg, per litre or per standard cubic meter, as applicable for lignite, gas and liquid fuel-based stations;

(c) In case of blending of fuel from different sources, the

weighted average Gross calorific value of primary fuel shall be arrived in proportion to blending ratio;

CVSF - Calorific value of secondary fuel (kCal / ml)

ECR - Energy charge rate, (Rupees / kWh.)

SHR - Gross station heat rate, (kCal/ kWh).

LC = Normative limestone consumption (kg / kWh)

LPPF - Weighted average landed price of primary fuel, in Rupees per kg, per litre or per standard cubic metre, as applicable, during the month. (In case of blending of fuel from different sources, the weighted average landed price of primary fuel shall be arrived in proportion to blending ratio)

LPSFi=Weighted Average Landed Price of Secondary Fuel in Rs./ml during the month

LPL = Weighted average landed price of limestone in Rupees per kg.

SFC - Specific fuel oil consumption, in ml per kWh”

6.26 The Commission has calculated the base ECR for the Control Period FY 2026-27 to FY 2030-31 as per the formula stated above and considered the operational parameters as approved in this order. The tables below contain the base ECR approved by the Commission for the FY 2026-27 to FY 2030-31:

Table 38: Energy Charge Rate (ECR) for Unit-I as approved by the Commission.

Particulars	UoM	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Normative Aux	%	9.00	9.00	9.00	9.00	9.00
Normative Heat Rate	Kcal/Kwh	2387.00	2387.00	2387.00	2387.00	2387.00
Normative Specific Oil consumption	ml/kWh	0.50	0.50	0.50	0.50	0.50
Calorific value of Oil	Kcal/ml	9.39	9.39	9.39	9.39	9.39
Weighted avg cost of oil	Rs/ml	0.08	0.08	0.08	0.08	0.08
Weighted avg cost of coal	Rs/Kg	4.46	4.46	4.46	4.46	4.46
Weighted avg GCV of coal	Kcal/kg	3,340.41	3,340.41	3,340.41	3,340.41	3,340.41
Energy Charge Rate	Rs/kWh	3.539	3.539	3.539	3.539	3.539

Table 39: Energy Charge Rate (ECR) for Unit-II as approved by the Commission.

Particulars	UoM	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Normative Aux	%	9.00	9.00	9.00	9.00	9.00
Normative Heat Rate	Kcal/Kwh	2387.00	2387.00	2387.00	2387.00	2387.00
Normative Specific Oil consumption	ml/kWh	0.50	0.50	0.50	0.50	0.50
Calorific value of Oil	Kcal/ml	9.39	9.39	9.39	9.39	9.39
Weighted avg cost of oil	Rs/ml	0.08	0.08	0.08	0.08	0.08
Wt avg cost of coal	Rs/Kg	4.46	4.46	4.46	4.46	4.46
Weighted avg GCV of coal	Kcal/kg	3,340.41	3,340.41	3,340.41	3,340.41	3,340.41
Energy Charge Rate	Rs/kWh	3.541	3.541	3.541	3.541	3.541

Summary of Fuel Cost

6.27 On consideration of the submission and details furnished by the Petitioner, the Commission approve the Fuel Cost for both the unit as summarized below:

Table 40: Fuel Cost for Unit-I as approved by the Commission

Particulars	UoM	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Primary Fuel Cost	Rs. Cr.	639.51	641.26	639.51	639.51	639.51
Secondary Fuel Cost	Rs. Cr.	7.90	7.92	7.90	7.90	7.90
Energy Cost	Rs. Cr.	647.41	649.18	647.41	647.41	647.41

Table 41: Fuel Cost for Unit-II as approved by the Commission

Particulars	UoM	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Primary Fuel Cost	Rs. Cr.	639.51	641.26	639.51	639.51	639.51
Secondary Fuel Cost	Rs. Cr.	8.24	8.26	8.24	8.24	8.24
Energy Cost	Rs. Cr.	647.75	649.53	647.75	647.75	647.75

Determination of Fixed Cost

Additional Capitalization

Petitioner's Submission

6.28 In accordance with JSERC (Terms and Conditions for Determination of

Generation Tariff) Regulations 2025, the Petitioner has projected the additional capitalization in its MYT Business Plan for FY 2026-27 to FY 2030-31.

Commission’s Analysis

6.29 The Commission has scrutinized the additional capitalization submitted by the Petitioner in its MYT Business Plan. The Commission, after prudent check, approved the additional capitalization for Unit-I and Unit-II in **Chapter 5** of this Order.

6.30 In accordance to the approved Capital Expenditure Plan, the Gross Fixed Assets, as approved by the Commission for the Control Period FY 2026-27 to FY 2030-31, is shown below.

Table 42: Gross Fixed Asset (GFA) in (Rs Crore) for Unit-I as approved by the Commission.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Opening GFA	1710.20	1717.83	1,731.61	1,734.43	1,737.74
Capitalization	7.68	13.78	2.77	3.31	3.17
Decapitalization	-	-	-	-	-
Closing GFA	1717.83	1,731.61	1,734.43	1,737.74	1,740.91

Table 43: Gross Fixed Asset (GFA) in (Rs Crore) for Unit-II as approved by the Commission.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Opening GFA	1723.06	1730.74	1,744.52	1,747.29	1,750.60
Capitalization	7.68	13.78	2.77	3.31	3.17
Decapitalization	-	-	-	-	-
Closing GFA	1730.74	1,744.52	1,747.29	1,750.60	1,753.77

Depreciation

Petitioner’s Submission

6.31 In accordance with clause 15.28, 15.30, 15.32 of JSERC (Generation Tariff Regulation) 2025, the Petitioner has projected the Depreciation for entire control period FY 2026-27 to FY 2030-31.

6.32 The Petitioner has worked out the allowable depreciation for the purpose for FY 2026-27 to FY 2030-31 on the basis of the GFA at the beginning

Business Plan, ARR and Tariff for MYT Period FY 2026-27 to FY 2030-31

of FY 2026-27 and after considering the projected additional capital expenditures during every year.

6.33 The following table shows the allowable depreciation claimed for Unit-I and Unit-II, considering the capital cost as on 1st April of respective year, additional capitalization during financial year and the depreciation rates specified in Appendix-I of JSERC Generation Regulations, 2025. Accordingly, the Petitioner pray to the Hon'ble Commission to allow depreciation as computed below

Table 44: Depreciation (Rs. Crore) for Unit-I as submitted by the Petitioner

Particulars	Depreciation Rate	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Land Under full title	0.00%	0.00	0.00	0.00	0.00	0.00
Land held under lease	3.34%	0.31	0.31	0.31	0.31	0.31
Plant and Machinery	4.22%	60.81	61.26	61.61	61.74	61.88
Building & civil engineering works	2.67%	5.69	5.69	5.71	5.73	5.73
Transformers & Others	4.22%	0.00	0.00	0.00	0.00	0.00
Others	4.22%	0.34	0.34	0.34	0.34	0.34
Office furniture & fittings	6.33%	0.01	0.01	0.01	0.01	0.01
Office Equipments	6.33%	0.02	0.02	0.02	0.02	0.02
Any other assets not covered above	4.22%	0.02	0.02	0.02	0.02	0.02
Total		67.20	67.65	68.00	68.13	68.26

Table 45: Depreciation (Rs. Crore) for Unit-II as submitted by the Petitioner

Particulars	Depreciation Rate	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Land Under full title	0.00%	0.00	0.00	0.00	0.00	0.00
Land held under lease	3.34%	0.31	0.30	0.30	0.30	0.30
Plant and Machinery	4.22%	61.41	61.87	62.21	62.34	62.48
Building & civil engineering works	2.67%	5.65	5.65	5.65	5.65	5.65
Transformers & Others	4.22%	0.00	0.00	0.00	0.00	0.00
Others	4.22%	0.34	0.34	0.34	0.34	0.34
Office furniture & fittings	6.33%	0.01	0.01	0.01	0.01	0.01
Office Equipments	6.33%	0.02	0.02	0.02	0.02	0.02
Any other assets not covered above	4.22%	0.02	0.02	0.02	0.02	0.02
Total		67.76	68.21	68.56	68.69	68.83



Commission's Analysis

6.34 The Commission has outlined clause 15.28 to clause 15.34 of JSERC Generation Tariff Regulation, 2025 for the approval Depreciation for a generating station.

“15.28 Depreciation shall be calculated every year, on the amount of Capital Cost of the assets as admitted by the Commission. In case tariff of multiple Units of a generating station is determined, weighted average life for the generating station shall be applied:

Provided that depreciation shall not be allowed on assets funded by Consumer Contribution and Capital Subsidies/Grants. Provision for replacement of such assets shall be made in the Capital Investment Plan.

15.29 Depreciation for each year shall be determined based on the methodology as specified in these Regulations along with the rates and other terms specified in these Regulations.

15.30 Depreciation shall be calculated annually, based on the straight-line method, at the rates specified at Appendix-I. The base value for the purpose of depreciation shall be original cost of the asset:

Provided that the Generating Company shall ensure that once the individual asset is depreciated to the extent of seventy (70) percent of the Book Value of that asset, remaining depreciable value as on March 31 of the year closing shall be spread over the balance useful life of the asset;

Provided that in case the tenure of PPA executed between the Generating plant and Beneficiaries is more than that of the Useful life of the plant, the Commission after prudence check may consider the PPA life for spreading the remaining depreciable value as on March 31 of the year instead of useful life;

Provided that in case after carrying out the residual life assessment, it is found that the residual life of the generating station or unit as the case may be is beyond the useful life specified in these regulations the Commission after prudence check, may spread the remaining depreciable value to be recovered over the extended life of the plant.

15.31 Depreciation shall be charged from the first year of commercial



operation of the asset. In case, the operation of the asset is for a part of the year, depreciation shall be charged on pro-rata basis:

Provided that any depreciation disallowed on account of lower availability of the generating station shall not be allowed to be recovered at a later stage during the useful life and the extended life.

15.32 *The residual value of assets shall be considered as 10% and depreciation shall be allowed to a maximum of 90% of the original cost of the asset. Land is not a depreciable asset and its cost shall be excluded while computing 90% of the original cost of the asset:*

Provided that the salvage value for IT equipment and software shall be considered as NIL and 100% value of the assets shall be considered depreciable: Provided further that in case of hydro generating stations, the salvage value shall be as provided in the agreement signed by the developers with the State Government for creation of the site:

15.33 *The Commission may, in the absence of the Fixed Assets Register, calculate Depreciation (%) arrived by dividing the Depreciation and the Average Gross Fixed Assets as per the latest available Audited Accounts of the Generating Company. The Depreciation (%) so arrived shall be multiplied by the Average GFA approved by the Commission for the relevant Financial Year to arrive at the Depreciation for that Financial Year.*

15.34 *In case of de-capitalization of assets in respect of Generating Station or Unit thereof the cumulative depreciation shall be adjusted by taking into account the depreciation recovered through tariff towards decapitalization asset during its useful services.*

6.35 The Commission has calculated the depreciation for Unit-I and Unit-II considering the approved capital cost, additional capitalization and the depreciation rates specified in Appendix-I of Generation Tariff Regulations, 2025.

6.36 Further, it has been noted that the petitioner has not submitted the proposed decapitalization value of the planned assets during the control period FY 2026-27 to FY 2030-31. Once the decapitalization is removed

from the books of the petitioner the Gross Fixed Asset will be reduced to that extent.

- 6.37 Further, it has been observed by the Commission that Unit-I of the generating plant will depreciate 70 % by end of FY 2029-30 and as per first proviso of clause 15.30 of the JSERC (Generation Tariff Regulation) 2025, (extracted below) the allowable depreciation (i.e 90%) of the asset has to be spread over the balance useful life.

“15.30 Depreciation shall be calculated annually, based on the straight-line method, at the rates specified at Appendix-I. The base value for the purpose of depreciation shall be original cost of the asset:

Provided that the Generating Company shall ensure that once the individual asset is depreciated to the extent of seventy (70) percent of the Book Value of that asset, remaining depreciable value as on March 31 of the year closing shall be spread over the balance useful life of the asset;

Provided that in case the tenure of PPA executed between the Generating plant and Beneficiaries is more than that of the Useful life of the plant, the Commission after prudence check may consider the PPA life for spreading the remaining depreciable value as on March 31 of the year instead of useful life;”

- 6.38 Accordingly, the balance depreciable value of Unit-I at the end of FY 2030-31 will be Rs 354.44 Cr (Rs 1563.96 Cr -Rs 1209.52 Cr =Rs 354.44 Cr) which has to be spread equally over nine years. Hence the depreciation allowed for Unit-I for FY 2030-31 is as under.

- 6.39 The following table shows the depreciation for Unit-I and Unit-II as calculated by the Commission:

Table 46: Depreciation (Rs. Crore) for Unit-I as approved by the Commission.

Particulars	Depreciation Rate	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Land Under full title	0.00%	0.00	0.00	0.00	0.00	0.00
Land held under lease	2.67%	0.31	0.31	0.31	0.31	0.18
Plant and Machinery	4.22%	60.81	61.26	61.61	61.74	35.70
Building & civil engineering works	2.67%	5.69	5.69	5.69	5.69	3.28
Others	4.22%	0.37	0.37	0.37	0.37	0.21
Total		67.19	67.64	67.99	68.12	39.38

Table 47: Depreciation (Rs. Crore) for Unit-II as approved by the Commission.

Particulars	Depreciation Rate	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Land Under full title	0.00%	0.00	0.00	0.00	0.00	0.00
Land held under lease	2.67%	0.31	0.31	0.31	0.31	0.31
Plant and Machinery	4.22%	61.41	61.87	62.21	62.34	62.48
Building & civil engineering works	2.67%	5.65	5.65	5.65	5.65	5.65
Others	4.22%	0.37	0.37	0.37	0.37	0.37
Total		67.75	68.21	68.56	68.68	68.82

Operation & Maintenance Expenses

Petitioner's Submission

6.40 The Petitioner has projected the Operation and Maintenance (O&M) expenses for FY 2026-27 to FY 2030-31 under the following broad categories: -

- Repairs & Maintenance (R&M) Expenses;
- Employee Expenses excluding Terminal Liabilities;
- Administrative and General (A&G) Expenses;

6.41 The Petitioner has calculated the Repair and Maintenance expenses as per clause 15.42(a) of JSERC (Generation Tariff Regulation) 2025, considering the nth year as 2025-26. The detailed calculations are being provided as below:

Table 48: Calculation of K for Unit-I as submitted by Petitioner.

Particulars	Unit	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	FY25-26
		Preceding Years					Base year
Opening GFA	Rs. Cr	1687.63	1697.06	1697.81	1701.16	1701.16	
R&M Expenses	Rs. Cr	15.86	29.71	23.37	29.21	29.21	
Actual K Factor	%	0.94%	1.75%	1.38%	1.72%	1.72%	
WPI				152.53	151.35	151.35	
CPI				377.62	397.20	397.20	
0.55*CPI+0.45WPI				276.33	286.57	286.57	
Escalation					3.71%	3.71%	
Norm. K Factor	%			1.46%	1.51%	1.56%	

Table 49: Calculation of K for Unit-II as submitted by Petitioner.

Particulars	Unit	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	FY25-26
		Preceding Years					
Opening GFA	Rs. Cr	1701.62	1711.05	1711.72	1715.15	1716.06	
R&M Expenses	Rs. Cr	15.86	29.71	23.37	29.21	25.64	
Actual K Factor	%	0.93%	1.74%	1.37%	1.70%	1.49%	
WPI				152.53	152.53	151.35	
CPI				377.62	377.62	397.20	
0.55*CPI+0.45WPI				276.33	276.33	286.57	
Escalation					3.71%	3.71%	
Norm. K Factor	%			1.45%	1.50%	1.55%	

6.42 Based on the above factors the petitioner has computed the Repair and Maintenance expenses as below:

Table 50: R&M for Unit-I for the Control Period FY 2026-27 to FY 2030-31 is projected and submitted by Petitioner as under.

Particulars	Unit	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Opening GFA	Rs Crore	1710.23	1717.91	1731.69	1737.77	1740.94
K Factor	%	1.61%	1.61%	1.61%	1.61%	1.61%
Escalation	%	3.13%	3.13%	3.13%	3.13%	3.13%
R&M Expenses	Rs Crore	28.36	28.49	28.72	28.82	28.87

Table 51: R&M for Unit-II for the Control Period FY 2026-27 to FY 2030-31 is projected and submitted by Petitioner as under.

Particulars	Unit	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Opening GFA	Rs Crore	1723.10	1730.78	1744.56	1750.64	1753.81
K Factor	%	1.60%	1.60%	1.60%	1.60%	1.60%
Escalation	%	3.13%	3.13%	3.13%	3.13%	3.13%
R&M Expenses	Rs Crore	28.35	28.47	28.70	28.80	28.85

6.43 In accordance with clause 15.42(b) of JSERC (Generation Tariff Regulation) 2025, the Petitioner has calculated the Employee expenses excluding terminal benefit, considering the nth year as 2026-27 and then escalating the expense by an inflation factor of 3.13% for each year of the Control Period FY 2026-27 to FY 2030-31. The detailed calculations are being provided as below:

Table 52: Computation of normative employee expenses of Base Year for Unit-I and Unit-II as submitted by Petitioner.

Particulars	Unit	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	FY25-26
		Preceding Years					Base year
Employee Expenses	Rs. Cr	14.59	16.15	17.69	18.24	20.26	
Escalation	%				3.71%	3.13%	
Number of Employees	Nos	219	219	219	219	219	222
Growth Rate	%		0.00%	0.00%	0.00%	0.00%	1.37%
Normative Employee Expenses	Rs. Cr			17.39	18.03	18.59	19.98

Table 53: Projection of employee expenses of Unit-I and Unit-II for the Control Period FY 2026-27 to FY 2030-31 as submitted by Petitioner.

Particulars	Unit	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Unit-I						
Employee Expenses	Rs. Cr	20.60	21.25	21.91	22.60	23.31
Unit-II						
Employee Expenses	Rs. Cr	20.60	21.25	21.91	22.60	23.31

6.44 The Petitioner has projected administrative and general expenses (A&G Expenses) for base year (excluding legal Expenses) based on the average of past five year’s actual audited A & G expenses and escalating it thrice with inflation of the respective years as shown in below computation:

Table 54: Computation of Administrative and General Expense of Unit-I & Unit-II for base year as submitted by Petitioner.

Particulars	Unit	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	FY25-26
		Preceding Years					Base year
A&G Expenses	Rs. Cr	14.49	26.45	33.72	39.20	31.08	
Escalation	%				3.71%	3.13%	
Norm A&G Expenses	Rs. Cr			28.99	30.06	31.00	31.98

6.45 The base year A& G expense is then escalated with inflation factor of 3.13% for each year of the Control Period FY 2026-27 to FY 2030-31 to project the A&G Expense.

Table 55: Projection of Administrative and General Expense of Unit-I & Unit-II for the Control Period FY 2026-27 to FY 2030-31 as submitted by Petitioner.

Particulars	Unit	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Unit-I						
A&G Expenses	Rs. Cr	32.98	34.04	35.07	36.17	37.31
Unit-II						
A&G Expenses	Rs. Cr	32.98	34.04	35.07	36.17	37.31

6.46 Similarly, the petitioner has projected the legal and consulting expenses for the Control Period FY 2026-27 to FY 2030-31 by taking the average of past five year's actual legal and consulting expenses and then escalating it thrice with inflation factor of respective years to arrive at the normative expense for base year FY 2025-26.

Table 56: Computation of Legal and Consulting Expenses of Unit-I & Unit-II for base year as submitted by Petitioner.

Particulars	Unit	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	FY25-26
		Preceding Years					Base year
Legal & Consulting Expenses	Rs. Cr	0.82	5.00	6.58	6.78	6.76	
Escalation	%				3.71%	3.13%	
Norm. Legal & Consulting Expenses	Rs. Cr			5.19	5.38	5.55	5.73

6.47 Accordingly, the petitioner has projected the Legal & Consulting Expense by escalating the base year Expense with inflation factor of 3.13% for each year of the Control Period FY 2026-27 to FY 2030-31.

6.48 Based on the above details, the Petitioner has computed the Operation and Maintenance expenses for Unit-I and Unit-II for FY 2026-27 to FY 2030-31 as depicted below:

Table 57: O&M Expenses (Rs. Cr.) for Unit-I for as submitted by the Petitioner.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
R&M Expenses	28.36	28.49	28.72	28.82	28.87
Employee Expenses	20.60	21.25	21.91	22.60	23.31
A&G Expenses	32.98	34.01	35.07	36.17	37.31
Legal & Consulting Expenses	5.90	6.09	6.28	6.48	6.68
O&M Expenses	87.84	89.83	91.98	94.07	96.16

Table 58: O&M Expenses (Rs. Cr.) for Unit-II for as submitted by the Petitioner.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
R&M Expenses	28.35	28.47	28.70	28.80	28.85
Employee Expenses	20.60	21.25	21.91	22.60	23.31
A&G Expenses	32.98	34.01	35.07	36.17	37.31
Legal & Consulting Expenses	5.90	6.09	6.28	6.48	6.68
O&M Expenses	87.83	89.82	91.96	94.05	96.14

Commission's Analysis

6.49 The Commission has outlined clause 15.35 and clause 15.40 to 15.42 of JSERC Generation Tariff Regulation, 2025 for the approval Operation & Maintenance Charges for a generating station as reproduced below:

“15.35 Operation and Maintenance (O&M) expenses shall comprise of the following:

- 1. Salaries, wages, pension contribution and other employee costs;*
- 2. Administrative and General costs;*
- 3. Repairs and maintenance expenses;*

Existing Generating Station

15.40 The O&M Expenses for the Base Year of the Control Period shall be approved by the Commission taking into account the audited accounts of FY 2020-21 to FY 2024-25, Business Plan filed by the Generating Company, estimates of the actual for the Base Year, prudence check and any other factor considered appropriate by the Commission.

15.41 The O&M expenses permissible towards ARR of each year of the Control Period shall be approved based on the formula shown below:

$$O\&M_n = (R\&M_n + EMP_n + A\&G_n) + Terminal Liabilities$$

Where, R&M_n – Repair and Maintenance Costs of the Generating

Company for the nth year

EMP_n – Employee Costs of the Generating Company for the nth year excluding terminal liabilities;

A&G_n – Administrative and General Costs of the Generating Company for the nth year

15.42 *The above components shall be computed in the manner specified below:*

$$a) \text{ (Repair \& Maintenance) } n = K * GFA * (INDX_n / INDX_{no})$$

Where,

‘K’ is a constant (expressed in %) governing the relationship between Repair & Maintenance costs and Gross Fixed Assets (GFA) and shall be calculated based on the % of Repair & Maintenance to GFA of the preceding years of the Base Year in the MYT Order after normalising any abnormal expenses;

‘GFA’ is the opening value of the gross fixed asset of the nth year;

$$b) EMP_n + A\&G_n = [(EMP_{n-1}) * (1 + G_n) + (A\&G_{n-1})] * (INDX_n / INDX_{n-1})$$

Where,

EMP_{n-1} – Employee Costs of the Generating Company for the (n-1)th year excluding terminal liabilities;

A&G_{n-1} – Administrative and General Costs of the Generating Company for the (n-1)th year excluding legal/ litigation expenses;

INDX_n – Inflation factor to be used for indexing the employee cost and A&G cost. This will be a combination of the Consumer Price Index (CPI) and the Wholesale Price Index (WPI) for immediately preceding year before the base year;

G_n – is a growth factor for the nth year and it can be greater than or lesser than zero based on the actual performance. Value of G_n shall be determined by the Commission in the MYT Order for meeting the additional manpower requirement based on the Generating Company Filing, benchmarking and any other factor that the Commission feels appropriate;

$$c) INDX_n = 0.55 * CPI_n + 0.45 * WPI_n;$$

Note-1: For the purpose of estimation, the same INDX_n/INDX_{n-1} value shall be used for all years of the Control Period. However,



the Commission will consider the actual values in the INDXn/INDXn-1 at the end of each year during the Annual Performance Review exercise and true up the employee cost and A&G expenses on account of this variation, for the Control Period;

Note-2: Any variation due to changes recommended by the Pay Commission or wage revision agreement, etc., will be considered separately by the Commission.

Note-3: Terminal Liabilities will be approved as per actual submitted by the Generating Company along with documentary evidence such as actuarial studies.

6.50 The Commission has computed the O&M expenses by considering the methodology specified in the aforesaid Regulation. For approval of Employee Expenses for the Control Period, following approach has been adopted:

- a) The average of past five years actual audited employee expenses from FY 2020-21 to FY 2024-25 has been considered for deriving normative Employee Expenses for FY 2022-23.
- b) The average of such expenses has been escalated twice with inflation factor of respective years to arrive at the normative expenses for Base Year i.e., FY 2024-25.
- c) The Base Year expenses so calculated are then escalated with inflation factor of respective years to arrive at normative Employee expenses for FY 2026-27 and for subsequent years normative Employee expenses have been arrived at by escalating with inflation factor of 3.12% (i.e., Inflation factor of FY 2024-25) for each year of the control period, subject to truing up based on actuals.

6.51 The Petitioner has proposed an increase in manpower; however, no adequate justification or supporting analysis has been provided. The generating station has been operating with the existing manpower strength, and no additional unit, capacity expansion, or significant change in operational requirements has been demonstrated to warrant such an increase. Allowing additional manpower without clear necessity

would lead to a direct increase in employee expenses and overall O&M cost, thereby increasing the tariff burden on consumers. In the absence of specific operational requirements, the proposed increase in manpower does not appear prudent and therefore disallowed at this juncture. Thus, the Employee expense approved for control period FY 2026-27 to FY 2030-31 is shown below:

Table 59: Employee Expenses (Rs. Cr) for Unit-I as approved by Commission.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Employee Expenses	19.66	20.28	20.91	21.56	22.24

Table 60: Employee Expenses (Rs. Cr) for Unit-II as approved by Commission.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Employee Expenses	19.66	20.28	20.91	21.56	22.24

6.52 As per Clause 15.40 to 15.42 of JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2025, the Commission has estimated the Base Year value of Administrative & General Expenses (excluding Legal Expenses and Application Fees & Publication Expenses) as per the following approach.

- a) The average of past five year's actual audited A&G expenses from FY 2020-21 to FY 2024-25 has been considered for deriving normative A&G Expenses for FY 2022-23.
- b) The average of such expenses has been escalated twice with inflation factor of respective years to arrive at the normative expenses for Base Year i.e., FY 2024-25.
- c) The Base Year expenses so calculated are then escalated with inflation factor of respective years to arrive at normative A&G expenses for FY 2026-27 and for subsequent year normative expenses have been arrived at by escalating with inflation factor of 3.12% (i.e., Inflation factor of FY 2024-25) for each year of the control period FY 2026-27 to FY 2030-31 which shall be subject to truing up based on actual Inflation rate.

6.53 Based on facts and circumstances the Commission approve the A&G

Expenses is given below:

Table 61: A&G Expenses (Rs. Cr) for Unit-I as approved by Commission.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
A&G Expenses	32.65	33.67	34.72	35.80	36.92

Table 62: A&G Expenses (Rs. Cr) for Unit-II as approved by Commission.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
A&G Expenses	32.65	33.67	34.72	35.80	36.92

6.54 The Commission is aware that the R&M Expenses for a generating station may vary from year to year depending upon the maintenance activities carried out during the year and therefore clause 15.42(a) talks about determining R&M expenses based on preceding years and not on the basis of single year. The Commission has accordingly determined the K factor based on the last five years which more or less also covers the expenses towards planned shutdown. Accordingly, in line with MYT Tariff Regulation, 2025, the Commission has taken into account both the 'K' factor and inflation factor while deriving the R&M Expenses. Based on the actual percentage of R&M Expenses with approved GFA for the past five years i.e. FY 2020-21 to FY 2024- 25, the Commission approve the 'K' factor for the fourth control period FY 2026-27 to FY 2030-31for Unit-I &II as **1.45%**

6.55 The actual inflation factor for FY 2026-27 is considered for escalation for FY 2026-27 thereafter inflation factor of 3.12% (i.e., Inflation factor of FY FY 2024-25) has been considered for each year of the control period FY 2026-27 to FY 2030-31which shall be subject to truing up based on actuals.

6.56 The R&M Expenses, as approved by the Commission for the Control Period FY 2026-27 to FY 2030-31has been tabulated below.

Table 63: R&M Expenses (Rs. Cr) for Unit-I as approved by Commission.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
R&M Expenses	25.57	25.69	25.89	25.93	25.98

Business Plan, ARR and Tariff for MYT Period FY 2026-27 to FY 2030-31

Table 64: R&M Expenses (Rs. Cr) for Unit-II as approved by Commission.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
R&M Expenses	25.76	25.88	26.08	26.13	26.18

6.57 The Commission is of the view that the Legal Expenses of the petitioner is very high as compared to other generating stations and hence it needs to make efforts to control the expenses. Accordingly, the Commission is approving the legal expenses based on the actual legal expense incurred by the petitioner during FY 2024-25 without any escalation for the control period FY 2026-27 to FY 2030-31 as given below.

Table 65: Legal Expenses (Rs. Cr) for Unit-I as approved by Commission.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Legal Expenses	1.32	1.32	1.32	1.32	1.32

Table 66: Legal Expenses (Rs. Cr) for Unit-II as approved by Commission.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Legal Expenses	1.32	1.32	1.32	1.32	1.32

6.58 The summary of approved O&M Expenses for the Control Period FY 2026-27 to FY 2030-31 is shown below.

Table 67: Net O&M Expenses (Rs. Cr) for Unit-I as approved by Commission.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Employee Expenses	19.66	20.28	20.91	21.56	22.24
A&G Expenses	32.65	33.67	34.72	35.80	36.92
R&M Expenses	25.57	25.69	25.89	25.93	25.98
Legal Expenses	1.32	1.32	1.32	1.32	1.32
Net O&M	79.21	80.95	82.84	84.62	86.46

Table 68: Net O&M Expenses (Rs. Cr) for Unit-II as approved by Commission.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Employee Expenses	19.66	20.28	20.91	21.56	22.24
A&G Expenses	32.65	33.67	34.72	35.80	36.92
R&M Expenses	25.76	25.88	26.08	26.13	26.18

Business Plan, ARR and Tariff for MYT Period FY 2026-27 to FY 2030-31

Legal Expenses	1.32	1.32	1.32	1.32	1.32
Net O&M	79.40	81.15	83.04	84.81	86.65

Interest on Debt

Petitioner’s Submission

6.59 The Petitioner has considered the repayment during the year equivalent to the normative depreciation for the year being in line with the methodology prescribed in the JSERC Generation Regulations, 2025.

6.60 The Petitioner submitted that it had a bullet loan repayment of Rs 1568 crore due in June 2025 but faced cash flow constraints, making repayment in a single tranche unfeasible and risking financial stress and disruption of power supply obligations. To address this, the Petitioner explored refinancing with several banks and financial institutions; however, most declined due to the company’s past stressed financial profile. Ultimately, Davidson Kempner Capital Management LP provided a 10-year refinancing facility at an interest rate of 16.89% (18.77% including taxes), which was accepted as an interim arrangement under time constraints. The Petitioner is continuing efforts to refinance at a lower interest rate, and submits that interest on loan for ARR should be based on the actual weighted average interest rate as per JSERC Tariff Regulations

6.61 The Petitioner has projected the weighted average rate of interest at 18.77% for FY 2026-27 to FY 2030-31 for Unit-I and Unit-II considering the above circumstances.

6.62 In accordance with the JSERC (Generation Tariff Regulation) 2020, the interest on debt has been computed on the normative average loan of the year by applying the weighted average rate of interest as depicted in the table below.

Table 69: Computation of interest on Loan (Rs. Cr) for Unit-I as submitted by Petitioner.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Opening Balance	191.82	130.30	71.99	5.93	2.31
Addition	5.38	9.64	1.94	2.31	2.22
Less: Deletion	0.00	0.00	0.00	0.00	0.00

Business Plan, ARR and Tariff for MYT Period FY 2026-27 to FY 2030-31

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Repayment	67.20	67.65	68.00	5.93	2.31
Closing Balance	130.30	71.99	5.93	2.31	2.22
Interest Rate (%)	18.77%	18.77%	18.77%	18.77%	18.77%
Interest on Loan	30.20	18.96	7.31	0.77	0.43

Table 70: Computation of interest on Loan (Rs. Cr) for Unit-II as submitted by Petitioner.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Opening Balance	217.46	155.08	96.51	29.88	2.31
Addition	5.38	9.64	1.94	2.31	2.22
Less: Deletion	0.00	0.00	0.00	0.00	0.00
Repayment	67.76	68.21	68.56	29.88	2.31
Closing Balance	155.08	96.51	29.88	2.31	2.22
Interest Rate (%)	18.77%	18.77%	18.77%	18.77%	18.77%
Interest on Loan	34.96	23.61	11.86	3.02	0.43

Commission’s Analysis

- 6.63 The Commission has scrutinized the additional capitalization as projected by the Petitioner in its MYT Petition and after prudent check approve the additional capitalization and normative loan addition for the Control Period FY 2026-27 to FY 2030-31.
- 6.64 The Commission has considered the deemed loan repayment equal to depreciation as approved by the Commission.
- 6.65 Further, the commission has observed that the petitioner has projected the interest on loan at the rate of 18.78%, which is significantly higher than the prevailing lending rates in the power sector, where long-term project loans from banks and financial institutions are generally available in the range of 9%–11%. The claimed rate is therefore about 7–9 percentage points higher than the market benchmark, indicating imprudent financial management. Allowing such a high rate would unduly burden consumers with avoidable tariff increase. As per regulatory principles of prudence check and protection of consumer interest, only reasonable and market-aligned financing costs should be

Business Plan, ARR and Tariff for MYT Period FY 2026-27 to FY 2030-31

admitted in tariff. Accordingly, the Commission restricts the interest on loan at normative 11% instead of the claimed 18.78%.

6.66 Accordingly, in accordance to Clause 15.18 of JSERC Generation Tariff Regulations, 2025, the Commission provisionally approves the interest on loan at normative rate of interest i.e 11 % for both the Units as shown below.

Table 71: Computation of interest on Loan (Rs. Cr) for Unit-I as approved by the Commission.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Opening Balance	191.82	130.01	72.01	5.96	0.00
Addition	5.38	9.65	1.94	2.32	2.22
Less: Deletion	0.00	0.00	0.00	0.00	0.00
Repayment	67.19	67.64	67.99	8.28*	2.22*
Closing Balance	130.01	72.01	5.96	0.00	0.00
Interest Rate (%)	11.00%	11.00%	11.00%	11.00%	11.00%
Interest on Loan	17.70	11.11	4.29	0.46	0.00

* Normative Repayment is equal to depreciation however its limited to normative loan here.

Table 72: Computation of interest on Loan (Rs. Cr) for Unit-II as approved by the Commission.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Opening Balance	217.47	155.09	96.53	29.92	0.00
Addition	5.38	9.65	1.94	2.32	2.22
Less: Deletion	0.00	0.00	0.00	0.00	0.00
Repayment	67.75	68.21	68.56	32.23*	2.22*
Closing Balance	155.09	96.53	29.92	0.00	0.00
Interest Rate (%)	11.00%	11.00%	11.00%	11.00%	11.00%
Interest on Loan	20.49	13.84	6.95	1.77	0.12

* Normative Repayment is equal to depreciation however its limited to normative loan here.

Return on Equity

Petitioner's Submission

6.67 In accordance with clause 15.9 and 15.10 of JSERC Generation Tariff Regulation, 2025, the Petitioner has computed the normative return on equity for determination of tariff.

6.68 While calculating the Return on Equity, the Petitioner has considered

Business Plan, ARR and Tariff for MYT Period FY 2026-27 to FY 2030-31

Post-Tax Return on Equity at 15.00%. The Return on Equity claimed for Unit-I and Unit-II for FY 2026-27 to FY 2030-31 is summarized in the table below.

Table 73: Computation of Return on Equity (Rs. Cr) for Unit-I as submitted by Petitioner.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Opening Balance	513.06	515.37	519.50	520.33	521.32
Net Addition	2.30	4.13	0.83	0.99	0.95
Less: Deletion	0.00	0.00	0.00	0.00	0.00
Closing Balance	515.37	519.50	520.33	521.32	522.28
Average Equity	514.22	517.43	519.92	520.83	521.80
Rate of Return on Equity	15.00%	15.00%	15.00%	15.00%	15.00%
Return on Equity	77.13	77.62	77.99	78.12	78.27

Table 74: Computation of Return on Equity (Rs. Cr) for Unit-II as submitted by Petitioner.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Opening Balance	516.92	519.23	523.36	524.19	525.18
Net Addition	2.30	4.13	0.83	0.99	0.95
Less: Deletion	0.00	0.00	0.00	0.00	0.00
Closing Balance	519.23	523.36	524.19	525.18	526.14
Average Equity	518.08	521.29	523.78	524.69	525.66
Rate of Return on Equity	15.00%	15.00%	15.00%	15.00%	15.00%
Return on Equity	77.71	78.19	78.57	78.70	78.85

Commission's Analysis

6.69 The Commission has scrutinized the additional capitalisation as proposed by the Petitioner in its MYT Petition and after prudent check approves the additional capitalisation and normative equity addition for the Control Period FY 2026-27 to FY 2030-31.

6.70 In accordance with Clause 15.10 of the JSERC Generation Tariff Regulations, 2025, the Commission approves the Return on Equity at 15.00%. as shown below.

Table 75: Computation of Return on Equity (Rs. Cr) for Unit-I as approved by Commission.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Opening Balance	513.06	515.37	519.50	520.33	521.32
Net Addition	2.30	4.13	0.83	0.99	0.95
Less: Deletion	0.00	0.00	0.00	0.00	0.00
Closing Balance	515.37	519.50	520.33	521.32	522.28
Average Equity	514.22	517.43	519.92	520.83	521.80
Rate of Return on Equity	15.00%	15.00%	15.00%	15.00%	15.00%
Return on Equity	77.13	77.62	77.99	78.12	78.27

Table 76: Computation of Return on Equity (Rs. Cr) for Unit-II as approved by Commission.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Opening Balance	516.92	519.23	523.36	524.19	525.18
Net Addition	2.30	4.13	0.83	0.99	0.95
Less: Deletion	0.00	0.00	0.00	0.00	0.00
Closing Balance	519.23	523.36	524.19	525.18	526.14
Average Equity	518.08	521.29	523.78	524.69	525.66
Rate of Return on Equity	15.00%	15.00%	15.00%	15.00%	15.00%
Return on Equity	77.71	78.19	78.57	78.70	78.85

Interest on Working Capital (IOWC)

Petitioner's Submission

6.71 The Petitioner has projected the Interest on Working Capital (IOWC) requirement in accordance with Clause 15.23, Clause 15.26 of the JSERC Generation Tariff Regulations, 2025, as tabulated hereunder.

Table 77: IOWC (Rs. Crore) for Unit-I as submitted by the Petitioner.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Cost of Coal Stock (non-pit-head 20 days)	36.14	37.27	38.44	39.64	40.88
Advance payment of Coal (30 days)	54.21	55.91	57.66	59.46	61.33
Cost of Oil for Generation for 2 months	1.32	1.36	1.40	1.44	1.49
O&M Expenses for 1 month	7.32	7.49	7.67	7.84	8.01
Water Charges for 1 month	0.67	0.72	0.78	0.84	0.90
Security Charges for 1 month	0.12	0.12	0.12	0.13	0.13
Maintenance Spares (20% O&M)	17.57	17.97	18.40	18.81	19.23
Receivable equivalent to 45 days	117.39	118.93	120.68	122.99	126.17

Business Plan, ARR and Tariff for MYT Period FY 2026-27 to FY 2030-31

Total Working Capital	234.73	239.76	245.14	251.16	258.15
Interest Rate	12.25%	12.25%	12.25%	12.25%	12.25%
Interest on Working Capital	28.75	29.37	30.03	30.77	31.62

Table 78: IOWC (Rs. Crore) for Unit-II as submitted by the Petitioner.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Cost of Coal Stock (non-pit-head 20 days)	36.14	37.27	38.44	39.64	40.88
Advance payment of Coal (30 days)	54.21	55.91	57.66	59.46	61.33
Cost of Oil for Generation for 2 months	1.37	1.42	1.46	1.51	1.55
O&M Expenses for 1 month	7.32	7.48	7.66	7.84	8.01
Water Charges for 1 month	0.67	0.72	0.78	0.84	0.90
Security Charges for 1 month	0.12	0.12	0.12	0.13	0.13
Maintenance Spares (20% O&M)	17.57	17.96	18.39	18.81	19.23
Receivable equivalent to 45 days	118.17	119.69	121.43	123.45	126.35
Total Working Capital	235.57	240.58	245.95	251.68	258.40
Interest Rate	12.25%	12.25%	12.25%	12.25%	12.25%
Interest on Working Capital	28.86	29.47	30.13	30.83	31.65

Commission’s Analysis

6.72 The Commission has outlined clause 15.23 to clause 15.26 JSERC Generation Tariff Regulation 2025 for the approval of interest on working capital for a generating station as reproduced below:

“15.23 The Commission shall determine the Working Capital requirement on normative basis for coal-based generating stations, which shall comprise the following components:

- 1. Cost of coal or lignite and limestone towards stock, if applicable, for 10 days for pit-head generating stations and 20 days for non-pit-head generating stations for generation corresponding to the normative annual plant availability factor or the maximum coal/lignite stock storage capacity, whichever is lower;*
- 2. Cost of coal or lignite and limestone for 30 days for generation corresponding to normative annual plant availability factor;*
- 3. Cost of secondary fuel oil for two months for generation corresponding to the Normative Annual Plant Availability Factor, and in case of use of more than one secondary fuel oil, cost of fuel oil stock for the main secondary fuel oil;*
- 4. Operation and Maintenance expenses, including water charge and security expenses for one month;*
- 5. Maintenance spares @ 20% of Operation and Maintenance*

Expenses;

6. *Receivables equivalent to 45days of capacity charges and energy charges for sale of electricity calculated on the Normative Annual Plant Availability Factor:*

Provided that the cost of primary fuel shall be based on the landed cost incurred (taking into account normative transit and handling losses) by the generating station and gross calorific value of the fuel on ‘as received basis’ as per actual weighted average for three months preceding the first month for which tariff is to be determined:

Provided further that in case of new generating station, the cost of fuel for the first financial year shall be considered based on landed fuel cost (taking into account normative transit and handling losses) and gross calorific value of the fuel as per actual weighted average for three months, as used for infirm power, preceding date of commercial operation for which tariff is to be determined.

15.26 *The rate of Interest on Working Capital shall be on normative basis and shall be equal to Bank Rate plus 350 basis points as on September 30 of the financial year in which the MYT Petition is filed or as on April 01, of the year during the Control Period from FY 2026-27 to FY 2030-31 in which the generating station or a Unit thereof, is declared under commercial operation, whichever is later:*

Provided that the rate of interest on working capital shall be trued up on the basis of Bank Rate plus 350 basis points as applicable on April 01, of the respective financial year at the time of true up.

6.73 Taking into account the above regulation, the Interest on Working capital has been calculated at an interest rate of 12.25% (Bank Rate plus 350 basis points) as specified in clause 15.26 JSERC Generation Tariff Regulation, 2025 as given below.

Table 79: IOWC (Rs. Crore) for Unit-I as approved by the Commission.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Cost towards Coal for Generation 50 days	87.60	87.60	87.60	87.60	87.60
Cost of Oil for Generation (2 months)	1.32	1.32	1.32	1.32	1.32
O&M Expenses (1 month)	7.39	7.59	7.80	8.02	8.23
Maintenance Spares (20% O&M)	15.84	16.19	16.57	16.92	17.29
Receivables (45 days)	112.16	111.90	111.16	110.94	107.55
Total Working Capital	224.31	224.60	224.45	224.80	221.99

Business Plan, ARR and Tariff for MYT Period FY 2026-27 to FY 2030-31

Interest Rate	12.25%	12.25%	12.25%	12.25%	12.25%
Interest on Working Capital	27.48	27.51	27.50	27.54	27.19

Table 80: IOWC (Rs. Crore) for Unit-II as approved by the Commission.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Cost towards Coal for Generation 50 days	87.60	87.60	87.60	87.60	87.60
Cost of Oil for Generation (2 months)	1.37	1.37	1.37	1.37	1.37
O&M Expenses (1 month)	6.62	6.76	6.92	7.07	7.22
Maintenance Spares (20% O&M)	15.88	16.23	16.61	16.96	17.33
Receivables (45 days)	112.71	112.22	111.69	111.30	111.34
Total Working Capital	224.18	224.19	224.19	224.31	224.87
Interest Rate	12.25%	12.25%	12.25%	12.25%	12.25%
Interest on Working Capital	27.46	27.46	27.46	27.48	27.55

Water Charges, Security Deposit, Capital Spare

Petitioner Submission

- 6.74 The Petitioner submits that water requirement of the generating station of the petitioner is met from Subarnarekha River and the Petitioner has to make payment from FY 2023-24 based on the rate specified for the industries for using the water from water source as downstream, as specified in the notification dated January 17, 2023 of Water Resource department ("WRD") of Jharkhand. It is pertinent to mention here that prior to FY 2023-24 there was a dispute regarding the source of water and for that the Petitioner had escalated to the Hon'ble High Court at Ranchi, which is still subjudice before the Hon'ble High Court at Ranchi.
- 6.75 In the aforesaid notification of the WRD, it has been stated that from April 01, 2024 the water charges will be increased by 7.5% year on year.
- 6.76 It is important to mention here that in line with Clause 18 of the Water agreement and as per the request of the Petitioner to reduce the water quantity to 17.60 MCM per annum as compared to original allotment of 35.60 MCM per annum on the basis of installation of reduced capacity i.e. only 540 MW power plant as against the original plan of 1000 MW power plant, the Government of Jharkhand has agreed to consider approximately 17.60 MCM as water quantity with effect from April 01, 2023 with a provision for further reduction to 11.46 MCM per annum based on measurement of actual consumption with effect for signing of the renewed

agreement or from the date of joint measurement of water drawl.

- 6.77 In regard to quantity and source of water prior to April 01, 2023, both parties have agreed to abide by the final decision from the competent court for the existing disputes lying at the Hon'ble High Court of Ranchi, Jharkhand both for quantity and source of water, which will automatically determine the applicable rate of the water.
- 6.78 It is important to note that, from September 2024 onwards, the water allocation has been revised, as per the letter dated September 12, 2024 issued by the Office of the Executive Engineer, Suwarnrekha Dam Division, Saraikela-Kharsawan District, Jharkhand to the reduced quantity of 11.46 MCM as stated above.
- 6.79 Accordingly, in light of the above, the Petitioner has computed the water charges based on the revised quantity. The water agreement is renewed for 10 years applicable from April 01, 2023 to March 31, 2033

Table 81: Water Charge, Capital Spare, Security Expenses as submitted by the Petitioner.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Water Charges for Unit 1 and 2 each (For to contracted capacity of 122.85 MW)	2.02	2.17	2.33	2.51	2.70
Capital Spare for Unit 1 and 2 each (For to contracted capacity of 122.85 MW)	1.34	1.38	1.42	1.50	1.55
Security Expenses for Unit 1 and 2 each (For to contracted capacity of 122.85 MW)	0.35	0.36	0.37	0.38	0.39

Commission Analysis

- 6.80 The Commission has outlined clause 15.46 of JSERC Generation Tariff Regulation, 2025 for the approval of water charge, capital spare, security spare for a generating station as reproduced below:

“15.46. The Water Charges, Security Expenses and Capital Spares for thermal generating stations shall be allowed separately after prudence check:

Provided that Water Charges shall be allowed based on water consumption, depending upon type of plant, type of cooling water system, subject to prudent check. The details regarding the same shall be furnished along with the Petition.

Provided that the generating station shall submit the details of year wise actual capital spares consumed at the time of truing up with appropriate justification for incurring the same and substantiating that the same is not funded through special allowance as per Clause 14.11 and 14.12 of the Regulation or claimed as a part of additional capitalization or consumption of stores and spares and renovation and modernization”.

- 6.81 The Commission has scrutinized the detail as submitted by the Petitioner and observed that the matter related to water charge is sub-judice before the Hon’ble Jharkhand High Court. Accordingly, the Commission in the instant petition approve the water charges as per audited accounts of FY 2024-25 in proportion to power allocated to JBVNL. Further, the net water charges approved in this order is subject to final outcome of the above-mentioned petition before the Hon’ble Jharkhand High Court.
- 6.82 The Commission approves the security deposit in accordance with above mentioned regulation.

Table 82: Water Charge, Capital Spare, Security Expense as approved by the Commission.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Water Charges for Unit 1 and 2 each (For contracted capacity of 122.85 MW)	2.02	2.17	2.33	2.51	2.70
Capital Spare for Unit 1 and 2 each (For contracted capacity of 122.85 MW)	1.34	1.38	1.42	1.50	1.55
Security Expense for Unit 1 and 2 each (For contracted capacity of 122.85 MW)	0.35	0.36	0.37	0.38	0.39

Legal Expenses

Petitioner’s Submission

- 6.83 The Petitioner has projected legal expense separately for FY 2026-27 to FY 2030-31 considering the average actual legal expense incurred in FY 2020-21 to FY 2024-25 and then escalation it with the inflation of FY 2023-24 & 2024-25 to arrive at legal expense of base year FY 2025-26. The legal expense is the escalated by a factor of 3.13% for each year of control period FY 2026-27 to FY 2030-31.

Table 83: Legal Expense as submitted by the Petitioner.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Legal expenses for Unit-I and Unit-II each	5.90	6.09	6.28	6.48	6.68

(For contracted capacity of 122.85 MW)					
--	--	--	--	--	--

Commission’s Analysis

6.84 The Commission has already approved legal expenses in Operation and Maintenance portion of this order.

Ash Disposal Expenses

Petitioner’s Submission

6.85 In this regard, the Petitioner submits that, the ash disposal and transportation is a critical operational activity in the power plant. The Ministry of Environment, Forest & Climate Change (MOEFCC) has time and again been notifying the modalities for safe and efficient disposal of ash.

6.86 Accordingly, the Petitioner has to transport ash from its power station to various cement and brick manufacturing units for 100% utilization and only for the eco-friendly purposes, upon which the Petitioner has incurred the expenditure towards the same. Further, in this regard, the Ministry of Power (MoP) has issued the guidelines on March 15, 2024.

6.87 Further, the Petitioner is expected to undertake measures to ensure 100% ash utilization and accordingly, the Petitioner has been transporting ash from its power station to various cement and brick manufacturing units and incurred the expenditure towards the same. The details of quantity of ash disposal and its expenditure is given below:

Table 84: Ash Disposal Expense as submitted by the Petitioner.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Ash disposal and transportation expenses for Unit-I and Unit-II each (For contracted capacity of 122.85 MW)	1.26	1.30	1.34	1.38	1.43

Commission’s Analysis

6.88 On consideration of the facts and circumstance and submission of the petition, the Commission approves ash disposal expenses for Unit-I and unit-II each (attributed to contracted capacity of only 13%) subject to prudent check on the basis of actuals at the time of true-up.

Table 85: Ash Disposal Expense as approved by the Commission.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Ash disposal and transportation expenses for Unit-I and Unit-II each (Attributable to contracted capacity of only 13%)	1.26	1.30	1.34	1.38	1.43

Summary of Annual Fixed Charge (AFC) for MYT Control Period FY 2026-27 to FY 2030-31

Petition Submission

6.89 The table below provides the summary of the annual capacity charges claimed in the instant petition on account of Multi Year Tariff for FY 2026-27 to FY 2030-31:

Table 86: Summary of AFC for Unit-I as submitted by the Petitioner.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Depreciation	67.20	67.65	68.00	68.13	68.26
Interest on loan	30.20	18.96	7.31	0.77	0.43
O&M Expenses	87.84	89.83	91.98	94.07	96.17
Return on Equity	77.13	77.62	77.99	78.12	78.27
Interest on Working Capital	28.75	29.37	30.03	30.77	31.62
Less: Non-Tariff Income	6.40	6.40	6.40	6.40	6.40
Total Annual Fixed Charges (exc Water charge, ash handling, capital expenses)	284.73	277.02	268.91	265.46	268.34

Table 87: Summary of AFC for Unit-II as submitted by the Petitioner.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Depreciation	67.76	68.21	68.56	68.69	68.83
Interest on loan	34.96	23.61	11.86	3.02	0.43
O&M Expenses	87.83	89.82	91.96	94.05	96.14
Return on Equity	77.71	78.19	78.57	78.70	78.85
Interest on Working Capital	28.76	29.37	30.13	30.83	31.65
Less: Non-Tariff Income	6.40	6.40	6.40	6.40	6.40
Total Annual Fixed Charges (excluding Water charge, capital expenses)	290.72	282.91	274.68	268.89	269.50

Commission's Analysis

6.90 On perusal of material furnished by the Petitioner and the submission, the Commission approves the Annual Fixed Cost (AFC) for FY 2026-27 to

FY 2030-31 which as summarized below.

Table 88: Summary of AFC for Unit-I as approved by the Commission.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Depreciation	67.19	67.64	67.99	68.12	39.38
Interest on loan	17.70	11.11	4.29	0.46	0.00
O&M Expenses incl. Legal expenses	79.21	80.95	82.84	84.62	86.46
Return on Equity	77.13	77.62	77.99	78.12	78.27
Interest on Working Capital	27.48	27.51	27.50	27.54	27.19
Less: Non-Tariff Income	6.40	6.40	6.40	6.40	6.40
Total Annual Fixed Charges (excluding Water charge, ash handling, capital spare, security expenses)	262.31	258.44	254.20	252.46	224.91

Table 89: Summary of AFC for Unit-II as approved by the Commission.

Particulars	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Depreciation	67.75	68.21	68.56	68.68	68.56
Interest on loan	20.49	13.84	6.95	1.77	0.12
O&M Expenses incl. Legal expenses	79.40	81.15	83.04	84.81	86.65
Return on Equity	77.71	78.20	78.57	78.70	78.85
Interest on Working Capital	27.46	27.46	27.46	27.48	27.55
Less: Non-Tariff Income	6.40	6.40	6.40	6.40	6.40
Total Annual Fixed Charges (excluding Water charge, ash handling, capital spare, security expenses)	266.42	262.45	258.18	255.05	255.59

Approved Tariff for Unit-I and Unit-II

Petition Submission

6.91 In accordance with the provisions of PPA executed with DISCOM, out of total Contracted Capacity of 122.85 MW, APNRL will supply 63.882 MW capacity (i.e. 13% of the total net Capacity at Total Tariff (both fixed and Variable Charge) and the balance 58.968 MW capacity, i.e.12% of the Total Net capacity at variable cost i.e. Energy Charge as approved by the Commission. Accordingly, the tariff for supply of Regulated Capacity to DISCOM for FY 2026-27 to FY 2030-31 at Normative Availability as summarized below:

Business Plan, ARR and Tariff for MYT Period FY 2026-27 to FY 2030-31

Table 90: Tariff for 12% of total Net Capacity as submitted by the Petitioner (Variable Cost).

Particulars	UoM	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Variable cost (Unit-I)	Rs/kWh	3.648	3.763	3.880	4.002	4.127
Variable cost (Unit-II)	Rs/kWh	3.650	3.764	3.882	4.004	4.129

Table 91: Tariff for 13% of total Net Capacity for Unit-I as submitted by the Petitioner (Fixed Cost).

Particulars	Derivation	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Gross Capacity	A	270.00	270.00	270.00	270.00	270.00
Auxiliary Consumption	B	9.00%	9.00%	9.00%	9.00%	9.00%
Net Capacity	$C = A \times (1-B)$	245.70	245.70	245.70	245.70	245.70
12% of net capacity for supply to JUVNL at Energy Charge	$D = C \times 12\%$	29.48	29.48	29.48	29.48	29.48
Remaining Capacity from which Fixed Charges are to be recovered	$E = C - D$	216.22	216.22	216.22	216.22	216.22
Total Annual Fixed Charge	F	284.73	277.02	268.91	265.46	268.25
Annual Fixed Charges/MW	$G = F/E$	1.32	1.28	1.24	1.23	1.24
13% of Net Capacity for supply to JUVNL at full tariff	$H = C \times 13\%$	31.94	31.94	31.94	31.94	31.94
AFC for 13% of Net Capacity	$I = G \times H$ (Rs. Crs)	42.06	40.92	39.73	39.21	39.64

Table 92: Tariff for 13% of total Net Capacity for Unit-II as submitted by the Petitioner (Fixed Cost).

Particulars	Derivation	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Gross Capacity	A	270.00	270.00	270.00	270.00	270.00
Auxiliary Consumption	B	9.00%	9.00%	9.00%	9.00%	9.00%
Net Capacity	$C = A \times (1-B)$	245.70	245.70	245.70	245.70	245.70
12% of net capacity for supply to JUVNL at Energy Charge	$D = C \times 12\%$	29.48	29.48	29.48	29.48	29.48
Remaining Capacity from which Fixed Charges are to be recovered	$E = C - D$	216.22	216.22	216.22	216.22	216.22
Total Annual Fixed Charge	F	290.72	282.91	274.68	268.80	269.40
Annual Fixed Charges/MW	$G = F/E$	1.34	1.31	1.27	1.24	1.25

Business Plan, ARR and Tariff for MYT Period FY 2026-27 to FY 2030-31

Particulars	Derivation	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
13% of Net Capacity for supply to JUVNL at full tariff	$H = C \times 13\%$	31.94	31.94	31.94	31.94	31.94
AFC for 13% of Net Capacity	$I = G \times H$ (Rs. Crs)	42.95	41.79	40.58	39.72	39.81

Commission's Analysis

6.92 The tariff for 12% of the total net capacity shall be the variable cost (subject to fuel price adjustment in accordance with Generation Tariff Regulations 2025 approved by the Commission is given below.

Table 93: Tariff for 12% of total Net Capacity as approved by Commission (Variable charge).

Particulars	UoM	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Variable cost (Unit-I)	Rs/kWh	3.539	3.539	3.539	3.539	3.539
Variable cost (Unit-II)	Rs/kWh	3.541	3.541	3.541	3.541	3.541

6.93 The tariff for 13% of the total net capacity shall be the total tariff i.e. variable cost (subject to fuel price adjustment in accordance with Generation Tariff Regulations 2025 and fixed charges as approved by the Commission in this order as noted below.

Table 94: Tariff for 13% of total Net Capacity as approved by Commission (Variable charge).

Particulars	UoM	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Variable cost (Unit-I)	Rs/kWh	3.539	3.539	3.539	3.539	3.539
Variable cost (Unit-II)	Rs/kWh	3.541	3.541	3.541	3.541	3.541

Table 95: Tariff for 13% of total Net Capacity for Unit-I as approved by the Commission (Fixed Cost).

Particulars	Derivation	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Gross Capacity	A	270.00	270.00	270.00	270.00	270.00
Auxiliary Consumption	B	9.00%	9.00%	9.00%	9.00%	9.00%
Net Capacity	$C = A \times (1 - B)$	245.70	245.70	245.70	245.70	245.70

Business Plan, ARR and Tariff for MYT Period FY 2026-27 to FY 2030-31

Particulars	Derivation	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
12% of net capacity for supply to JUVNL at Energy Charge	D= C x12%	29.48	29.48	29.48	29.48	29.48
Remaining Capacity from which Fixed Charges are to be recovered	E=C-D	216.22	216.22	216.22	216.22	216.22
Total Annual Fixed Charge	F	262.31	258.44	254.20	252.46	224.91
Annual Fixed Charges/MW	G=F/E	1.21	1.20	1.18	1.17	1.04
13% of Net Capacity for supply to JUVNL at full tariff	H= C x13%	31.94	31.94	31.94	31.94	31.94
AFC for 13% of Net Capacity	I= G x H (Rs. Crs)	38.75	38.18	37.55	37.29	33.22

Table 96: Tariff for 13% of total Net Capacity for Unit-II as approved by the Commission (Fixed Cost).

Particulars	Derivation	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31
Gross Capacity	A	270.00	270.00	270.00	270.00	270.00
Auxiliary Consumption	B	9.00%	9.00%	9.00%	9.00%	9.00%
Net Capacity	C= A x (1-B)	245.70	245.70	245.70	245.70	245.70
12% of net capacity for supply to JUVNL at Energy Charge	D= C x12%	29.48	29.48	29.48	29.48	29.48
Remaining Capacity from which Fixed Charges are to be recovered	E=C-D	216.22	216.22	216.22	216.22	216.22
Total Annual Fixed Charge	F	266.42	262.45	258.18	255.05	255.59
Annual Fixed Charges/MW	G=F/E	1.23	1.21	1.19	1.18	1.18
13% of Net Capacity for supply to JUVNL at full tariff	H= C x13%	31.94	31.94	31.94	31.94	31.94
AFC for 13% of Net Capacity	I= G x H (Rs. Crs)	39.36	38.77	38.14	37.68	37.76



Chapter 7: DIRECTIVES



Chapter 7: DIRECTIVES

Development of a Fuel Procurement Plan

8.1 The Petitioner is directed to ensure strict monitoring of the Gross Calorific Value (GCV) of coal at loading and unloading points to avoid GCV slippage during transportation and handling. Appropriate measures such as joint sampling, third-party testing, and proper quality monitoring mechanisms shall be adopted to ensure that the coal received at the generating station conforms to the declared specifications. These measures are necessary to control fuel cost and reduce the tariff burden on consumers. Further, the petitioner shall take up the matter of GCV slippage with CCL more proactively.

Reduction of Interest on Loan

8.2 The Petitioner is hereby directed to explore options for refinancing or restructuring its existing loan portfolio in order to reduce the interest on loan to a commercially viable and market-aligned rate. The Commission observes that the currently claimed rate of interest is significantly higher than the prevailing lending rates in the power sector and may not be considered prudent for tariff determination. Accordingly, the Petitioner shall undertake necessary steps to renegotiate or refinance the high-cost loans with financial institutions or alternative lenders, so that the cost of debt is brought in line with prevailing market rates.

High Legal Cost

8.1 The Petitioner is directed to rationalize and reduce its legal expenses, ensuring that such costs are prudent, necessary, and kept at a reasonable level. Further, the Petitioner shall submit case-wise details and justification of legal expenses along with proof of payment in the next tariff filing. Any excessive or inadequately justified expenditure shall be liable for disallowance by the Commission.



Business Plan, ARR and Tariff for MYT Period FY 2026-27 to FY 2030-31

This Order is signed and issued by the Jharkhand State Electricity Regulatory Commission on March 30, 2026.

Date: 30.03.2026

Place: Ranchi

Sd/-

Mahendra Prasad

Member (Law)

Sd/-

Justice Navneet Kumar

Chairperson



Chapter 8: ANNEXURE

Table 97: List of participating members of the Public in the Public Hearing

Sl. No.	Name S/Shri	Address / Organization if any
1	S.K Parvez	APNRL
2	Rajesh Sharma	APNRL
3	Himanshu Kumar	APNRL
4	Arun Kumar Mishra	APNRL
5	Tarun Kumar	APNRL
6	A.N Choudhary	Tata Steel UISL
7	Nirmal Kumar Agarwal	APNRL
8	Radhakrishna Tripathy	JBVNL
9	Birendra Kisku	JBVNL
10	Sanjay Besra	JBVNL
11	Ravishankar Kumar	JBVNL
12	Amulya Sahoo	APNRL
13	S.M Khushru	APNRL
14	A.K Dash	APNRL
15	Ravi Singh	APNRL
16	Diwakar Upadhaya	Individual
17	Jiten Sardar	Individual
18	Manoj Hokra	Individual
19	Bhanesh Sahu	Individual
20	Muktinath Singh	Individual
21	Ajay Bangde	Individual
22	N.S.P Rao	Individual
23	Amul Baidya	Individual
24	Shikar Hembrom	Individual
25	Khirod Chandra Mahato	Individual



Business Plan, ARR and Tariff for MYT Period FY 2026-27 to FY 2030-31

Sl. No.	Name S/Shri	Address / Organization if any
26	Vikas Kumar	Individual
27	Sarla Majhi	Individual
28	Basanti Singh Sardar	Individual



Chapter 9: Details of Additional Capitalization Approved

Sl No	Details of Additional capitalization	Amount (Rs Cr)
FY 2026-27		
1	Boiler and Auxiliaries: <i>a. Boiler Drum</i>	0.51
2	Turbine Generator Island: <i>a. Cooling Water (CW) Pump Column Pipe set.</i> <i>b. The Complete Bowl Assembly.</i>	0.31
3	Electrical Equipments: <i>a. The 3200 Amp Low Tension (LT) Breaker.</i> <i>b. The 140 AH DC Battery Bank.</i> <i>c. The Battery Charger Card</i>	0.42
4	Stator Bars	10.00
5	PGCIL End Kiosk Installation	2.00
6	Vibration Analyzer	0.25
7	Vacuum Pump Assembly and associated equipment of the Ash Handling Plant	0.32
8	The PLC at the Intake Well and Stacker Reclaimer Pump House	0.77
9	Hydraulic pump for the bucket wheel and associated equipment for coal handling plant	0.21
10	1400 mm NN 630/4 and NN 1250/5 belting	0.46
11	Water treatment plant equipment: <i>a. Sulfuric Acid Unloading Pump and HCL unloading Pump</i> <i>c. Digital Balance 0-220gm</i>	0.11
Total		15.36
FY2027-28		
1	Superheater Safety Valve	0.25
2	Pressure Parts of Boiler system	0.65
3	Cooling Towers	0.30
4	GCB Spare and ST Bushing	0.30
5	BAPCON/ARECCA Controllers and LT Switchgear Relay	0.84
6	Exciter rotor	10.00
7	Generator Relay	0.20
8	Vacuum Pump Assembly and other auxiliary systems	0.38
9	Upgradation of PLC of Hydrogen Generation Plant	0.45
10	Stacker Slew Hydraulic Motor and Belting in CHP	1.16
11	Diaphragm Valves - WTP	0.03

Business Plan, ARR and Tariff for MYT Period FY 2026-27 to FY 2030-31

12	Sewage Treatment Plant	13.00
	Total	27.55
	FY2028-29	
1	Pressure Parts of boiler system	0.50
2	Burner Coal Nozzle Assemblies (24 Nos)	0.72
3	ID (Induced Draft) Fan Shaft and Impeller Assembly	0.30
4	Guillotine Gate assembly	0.20
5	High Pressure Governing System (HPCV & IPCV) Control Valves	0.24
6	1 MVA and 2 MVA dry type service transformer	0.72
7	Other Electrical equipment: <i>a. 6.6 kV Switchgear Relays</i> <i>b. Auxiliary Contactor and Spline Shaft for 400 kV Isolator.</i> <i>c. Battery Charger Card</i>	0.21
8	Vacuum Pump Assembly and other auxiliary systems	0.32
9	Controller and Control Valve Assemblies	0.65
10	Bucket Wheel Hydraulic Drive and Belting – Coal Handling Plant (CHP)	1.41
11	Ultra-Filtration (UF) Membranes and Caustic Unloading Pump	0.27
	Total	5.54
	FY2029-30	
1	Boiler Duct Expansion Bellows	0.86
2	Hot Air (HA) Gate	0.20
3	Oil Filtration Machine	0.10
4	Boiler Pressure Parts	0.20
5	Low Pressure Bypass (LPBP) System	0.12
6	BAPCON/ARECCA Controllers	1.28
7	ESP HVR Transformer and BTG Relays (MV & LV Panels):	0.40
8	Automatic Voltage Regulator (AVR) and Generator Relay Protection (GRP) systems	0.30
9	SCADA Software upgradation	0.70
10	400 kV Switchyard Relay	
11	Chimney Spares for Lift & Aviation and PGCIL End Isolator Spare	0.14
12	Vacuum Pump Assembly and other auxiliary systems	0.32
13	UPS Batteries – Ash Handling Plant	0.30
14	Stacker Luffing Cylinder and Belting – Coal Handling Plant (CHP)	0.71



Business Plan, ARR and Tariff for MYT Period FY 2026-27 to FY 2030-31

15	Spectrophotometer and Associated WTP Equipment	0.29
	Total	6.61
	FY2030-31	
1	Boiler Duct Expansion Bellows	0.41
2	ESP (Electrostatic Precipitator) Inlet Gate Frame	0.40
3	Boiler Pressure Parts – Reheater Front Coils & Platen Superheater Coil Assemblies	0.40
4	Monolithic Scanner Air Fan with Motor	0.06
5	BFP Voith	0.24
6	Other Electrical equipment: 1. FBT Relay 2. ABT Server 3. EMS Server- 400 kV Switchyard 4. PGCIL Line Analyzer	0.38
7	Automatic Voltage Regulator (AVR)	0.50
8	CVT Spares and 400 kV CT Spares	0.37
9	PGCIL CVT and CT Spares	0.37
10	400 kV Circuit Breaker (CB)	0.40
11	Lightning Arresters (LA) – GT / Line and 6.6 kV 2500 A Breaker – MV Switchgear	0.32
12	Variable Frequency Drive	0.60
13	Vacuum Pump Assembly and other auxiliary systems	0.38
14	Vibration Monitoring System Upgradation – CW/ACW Pumps	0.25
15	Conveyor Belting – CHP System	1.02
16	NAS Analyzer, Caustic Neutralization Tanks and HCL Neutralization Tanks	0.25
	Total	6.35