Before the

MAHARASHTRA ELECTRICITY REGULATORY COMMISSION

World Trade Centre, Centre No.1, 13th Floor, Cuffe Parade, Mumbai – 400 005 Tel. No. 022 6987 6666

Email: mercindia@merc.gov.in Website: www.merc.gov.in

CASE No. 188 of 2024

In the matter of

Petition of Adani Power Limited for approval of Final True-up of Aggregate Revenue Requirement (ARR) for FY 2022-23 and FY 2023-24, Provisional True-up of ARR for FY 2024-25 and Approval of ARR for 5th Control Period from FY 2025-26 to FY 2029-30.

Coram

Sanjay Kumar, Chairperson Anand M. Limaye, Member Surendra J. Biyani, Member

ORDER

Date: 28 March, 2025

M/s Adani Power Limited (**APL**), having its registered office at Adani Corporate House, Shantigram, S G Highway, Ahmedabad- 382421, has filed a Multi-Year Tariff (**MYT**) Petition for approval of Final True-up of Aggregate Revenue Requirement (**ARR**) for FY 2022-23 and FY 2023-24, Provisional True-up of FY 2024-25 and determination of ARR and Tariff for 5th Control Period FY 2025-26 to FY 2029-30.

The Petitioner has sought for Final Truing-up of ARR for FY 2022-23 and FY 2023-24 and Provisional Truing-up of ARR for FY 2024-25 in accordance with MERC (Multi Year Tariff) Regulations, 2019 (**MYT Regulations, 2019**) and approval of ARR and Generation Tariff for respective years of 5th MYT Control Period i.e., FY 2025-26 to FY 2029-30 in accordance with MERC (Multi Year Tariff) Regulations, 2024 (**MYT Regulations, 2024**).

The Commission in the exercise of the powers vested in it under Sections 61 and 62 of the Electricity Act, 2003 (**EA**) and all other powers enabling it on this behalf, and after taking into consideration the submissions made by APL and in the public consultation process, and all other relevant material, has approved the Truing-up of ARR for FY 2022-23 and FY 2023-24, Provisional Truing-up of ARR for FY 2024-25 and approval of ARR and Tariff for 5th Control period from FY 2025-26 to FY 2029-30 in this Order.

TABLE OF CONTENTS

1	BACI	KGROUND AND BRIEF HISTORY	15
	1.1	BACKGROUND	15
	1.2	RELEVANT MYT REGULATIONS, TARIFF ORDERS, APPEALS AND MTR PETITION	15
	1.3	PENDING APPEALS FILED BEFORE HON'BLE SUPREME COURT OF INDIA AND HON'BLE APPELLATE TRIBUNAL FOR ELECTRIC	
	(ATE)	16	
	1.4	APL'S MAIN PRAYERS ARE AS FOLLOWS:	19
	1.5	ADMISSION OF THE PETITION AND PUBLIC CONSULTATION PROCESS	19
	1.6	ORGANISATION OF THE ORDER:	20
2	TRUI	NG-UP OF ARR FOR FY 2022-23 AND FY 2023-24	22
	2.1	BACKGROUND	22
	2.2	NORMS OF OPERATION	22
	2.3	AVAILABILITY FOR FY 2022-23 AND FY 2023-24	23
	2.4	PLF AND GROSS GENERATION FOR FY 2022-23 AND FY 2023-24	24
	2.5	AUXILIARY ENERGY CONSUMPTION AND NET GENERATION FOR FY 2022-23 AND FY 2023-24	26
	2.6	STATION HEAT RATE FOR FY 2022-23 AND FY 2023-24	29
	2.7	SECONDARY FUEL OIL CONSUMPTION FOR FY 2022-23 AND FY 2023-24	29
	2.8	OPERATIONAL PARAMETERS APPROVED BY THE COMMISSION	30
	2.9	Transit and Handling Loss for FY 2022-23 and FY 2023-24	31
	2.10	GCV FOR FY 2022-23 AND FY 2023-24	32
	2.11	LANDED COST OF FUEL FOR FY 2022-23 AND FY 2023-24	
	2.12	FUEL EXPENSES FOR FY 2022-23 AND FY 2023-24	
	2.13	FUEL UTILISATION PLAN	
	2.14	Annual Fixed Charges (AFC)	
	2.15	OPERATION & MAINTENANCE EXPENSES FOR FY 2022-23 AND FY 2023-24	
	2.16	CAPITAL EXPENDITURE AND CAPITALISATION FOR FY 2022-23 AND FY 2023-24	
	2.17	DEPRECIATION FOR FY 2022-23 AND FY 2023-24	
	2.18	INTEREST ON LOAN FOR FY 2022-23 AND FY 2023-24	
	2.19	FINANCING CHARGES FOR FY 2022-23 AND FY 2023-24	
	2.20	FOREIGN EXCHANGE RATE VARIATION FOR FY 2023-24	_
	2.21	RETURN ON EQUITY FOR FY 2022-23 AND FY 2023-24	
	2.22	INTEREST ON WORKING CAPITAL FOR FY 2022-23 AND FY 2023-24	
	2.23	INCENTIVES ON HIGHER PLF FOR FY 2022-23 AND FY 2023-24	
	2.24	SHARING OF GAINS AND LOSSES ON FUEL EXPENSES FOR FY 2022-23 AND FY 2023-24	
	2.25	Sharing of Gains and Losses on O&M Expenses for FY 2022-23 and FY 2023-24	_
	2.26	SHARING OF EFFICIENCY GAINS / LOSSES ON IOWC FOR FY 2022-23 AND FY 2023-24	
	2.27		
	2.28	REVENUE FROM SALE OF POWER FOR FY 2022-23 AND FY 2023-24	
	2.29	SUMMARY OF TRUING UP AND REVENUE GAP / (SURPLUS) FOR FY 2022-23 AND FY 2023-24	99
3	PRO	VISIONAL TRUING UP OF FY 2024-25	. 101
	3.1	Background	. 101
	3.2	NORMS OF OPERATION	. 102
	3.3	AVAILABILITY FOR FY 2024-25	
	3.4	PLANT LOAD FACTOR AND GROSS GENERATION FOR FY 2024-25	
	3.5	AUXILIARY CONSUMPTION AND NET GENERATION FOR FY 2024-25	
	3.6	STATION HEAT RATE FOR FY 2024-25	. 105

	3.7	SECONDARY FUEL OIL CONSUMPTION FOR FY 2024-25	 105
	3.8	OPERATIONAL PARAMETERS APPROVED FOR FY 2024-25	
	3.9	Transit and handling Loss for FY 2024-25	
	3.10	GCV OF FUEL FOR FY 2024-25	
	3.11	LANDED COST OF FUEL FOR FY 2024-25	111
	3.12	FUEL UTILISATION PLAN AND FUEL COST FOR FY 2024-25	
	3.13	FUEL COST	117
	3.14	Annual Fixed Charges (AFC) for FY 2024-25	117
	3.15	OPERATION & MAINTENANCE EXPENSES FOR FY 2024-25	
	3.16	CAPITAL EXPENDITURE AND CAPITALISATION FOR FY 2024-25	121
	3.17	DEPRECIATION FOR FY 2024-25	125
	3.18	INTEREST ON LOAN FOR FY 2024-25	126
	3.19	FOREIGN EXCHANGE RATE VARIATION (FERV)	128
	3.20	INTEREST ON WORKING CAPITAL FOR FY 2024-25	128
	3.21	RETURN ON EQUITY FOR FY 2024-25	131
	3.22	INCENTIVES ON HIGHER PLF FOR FY 2024-25	133
	3.23	Non-Tariff Income for FY 2024-25	134
	3.24	REVENUE FROM SALE OF POWER FOR FY 2024-25	134
	3.25	SUMMARY OF TRUE-UP AND REVENUE GAP / (SURPLUS) FOR FY 2024-25	136
4	ARR	AND TARIFF DETERMINATION FOR FY 2025-26 TO FY 2029-30	137
	4.1	Preamble	137
	4.2	TERM OF THE PPA	137
	4.3	NORMS OF OPERATION	138
	4.4	OPERATIONAL PERFORMANCE FOR THE 5 TH MYT CONTROL PERIOD	138
	4.5	FUEL EXPENSES FOR FY 2025-26 TO FY 2029-30 WITH GCV AND FUEL UTILISATION PLAN	141
	4.6	OPERATION & MAINTENANCE EXPENSES FOR 5 TH MYT CONTROL PERIOD	150
	4.7	CAPITAL EXPENDITURE AND CAPITALIZATION FOR 5 TH MYT CONTROL PERIOD	157
	4.8	DEPRECIATION FOR 5 TH MYT CONTROL PERIOD	161
	4.9	INTEREST ON LOAN AND OTHER FINANCE CHARGES FOR 5 th MYT CONTROL PERIOD	163
	4.10	INTEREST ON WORKING CAPITAL FOR 5 TH MYT CONTROL PERIOD	165
	4.11	RETURN ON EQUITY FOR 5 TH MYT CONTROL PERIOD	167
	4.12	NON-TARIFF INCOME FOR 5 [™] MYT CONTROL PERIOD	169
	4.13	REVENUE GAP TILL FY 2024-25 AND CARRYING / HOLDING COST	170
	4.14	REVISED ARR FOR 5 TH MYT CONTROL PERIOD	173
5	TARI	FF FOR 5 TH MYT CONTROL PERIOD FOR FY 2025-26 TO FY 2029-30	176
	5.1	Annual Fixed Charges for APL	176
	5.2	ENERGY CHARGES FOR APL	177
6	COM	PLIANCE OF DIRECTIVES AND ADDITIONAL DIRECTIVES	179
	6.1	CREDIT NOTE SETTLEMENT WITH SECL	
	6.2	EXECUTION OF DELAYED SCHEME APPROVED BETWEEN FY 2010-11 TO FY 2013-14:	
	6.3	DROP IN GCV OF WASHED COAL BELOW 4000 KCAL/KG	
	6.4	FUEL UTILISATION PLAN	
	6.5	SEGREGATION OF CAPEX AND R&M EXPENSES	
	6.6	COAL PROCUREMENT FROM DAHEJ PORT	
		ES GIVEN IN THIS ORDER	
	6.7	COMPETITIVE BIDDING FOR CONTRACTS	
	6.8	EXTENSION OF TERM OF FUEL SUPPLY AGREEMENT	

6.9	COMPETITIVE BIDDING FOR PROCUREMENT OF COAL	187
6.10	FUEL UTILISATION PLAN AND SOURCING OF COAL FROM ALTERNATE SOURCE	187
6.11	RETIREMENT OF ASSETS	187
6.12	PENDING SCHEME COMPLETION REPORT	187
6.13	EXECUTION OF DELAYED SCHEME APPROVED	188
6.14	Additional Capitalisation	188
6.15	Additional Claim of Railway Charges	189
ΛDE	PLICARILITY OF ORDER	190

LIST OF TABLES

Table 1-1: Publication of Notice for Public Hearing	20
Table 2-1: Availability Certified by MSLDC for FY 2022-23 and FY 2023-24 (%)	24
Table 2-2: Gross Generation Certified by MSLDC for FY 2022-23 and FY 2023-24	25
Table 2-3: PLF Certified by MSLDC for FY 2022-23 and FY 2023-24	25
Table 2-4: Auxiliary Consumption and Net Generation for FY 2022-23 and FY 2023-24 as approved by the Commission	28
Table 2-5: Station Heat Rate for FY 2022-23 and FY 2023-24 as approved by the Commission	n29
Table 2-6: Specific Fuel Consumption for FY 2022-23 and FY 2023-24 as approved by the Commission	30
Table 2-7: Summary of Operational Parameters for FY 2022-23 and FY 2023-24 as approved the Commission	
Table 2-8: GCV - As Billed, As Received GCV and As Fired GCV for FY 2022-23 and FY 2024 as per APL (kCal/kg)	
Table 2-9: GCV of Coal/Oil for FY 2022-23 and FY 2023-24 approved by the Commission	38
Table 2-10: Landed Cost of Coal and LDO for FY 2022-23 and FY 2023-24, as per APL	39
Table 2-11: Landed Cost of Washed Coal for FY 2022-23 and FY 2023-24	41
Table 2-12: Landed Cost of Imported Coal for FY 2022-23 and FY 2023-24	43
Table 2-13: Landed Cost of Raw Coal for FY 2022-23 and FY 2023-24	43
Table 2-14: Landed cost of Fuel for FY 2022-23 and FY 2023-24 approved by the Commission (Rs./MT and Rs./kL)	
Table 2-15: Total Fuel Cost claimed by APL (Rs. Crore)	
Table 2-16: Fuel Cost reconciliation as per audited accounts for FY 2022-23 and FY 2023-24 Crore)	(Rs.
Table 2-17: Comparative statement of imported coal procured through Dahanu Port and	49
Table 2-18: Actual Fuel Expenses and Energy Cost for FY 2022-23 and FY 2023-24 approved the Commission	•
Table 2-19: Estimated benefit from deviation in FUP as per APL	53
Table 2-20: Impact of Rs./kCal due to change in FUP	53
Table 2-21: Normative O&M Cost for FY 2022-23 and FY 2023-24 claimed by APL (Rs. Cro	
Table 2-22: O&M Expense as approved in MTR Order and actuals for FY 2022-23 and FY 2024 as per APL (Rs. Crore))23-
Table 2-23: Inflation Factor approved for FY 2022-23 and FY 2023-24	
Table 2-24: Water Consumption for past 5 years	
Table 2-25: Reconciliation of Regulatory O&M expenses with Audited allocated O&M expensor FY 2022-23 (Rs. Crore)	ises

Table 2-26: Reconciliation of Regulatory O&M expenses with Audited allocated O&M expenses Table 2-27: Capital Scheme considered under R&M expenses (Rs. Crore)63 Table 2-28: O&M expenses for FY 2022-23 approved by the Commission (Rs. Crore)......65 Table 2-29: O&M expenses for FY 2023-24 approved by the Commission (Rs. Crore)......66 Table 2-30: Proposed Capitailsation of FY 2022-23 and FY 2023-24 by APL (Rs. Crore).........67 Table 2-31: Justification for increase in Capitalisation compared to approved cost......67 Table 2-33: Scheme wise Capitalisation for FY 2022-23 (Rs. Crore)69 Table 2-34: Scheme wise Capitalisation for FY 2023-24 (Rs. Crore)70 Table 2-35: Additional NDPR scheme considered as R&M Expenses by the Commission (Rs. Table 2-36: Capitalisation approved by the Commission (Rs Crore)71 Table 2-37: Depreciation for FY 2022-23 and FY 2023-24 approved by the Commission (Rs Table 2-38: Interest on Loan for FY 2022-23 and FY 2023-24 as claimed by APL (Rs. Crore)...74 Table 2-41: Financing Charges for FY 2022-23 as claimed by APL (Rs. Crore)......76 Table 2-42: Financing Charges for FY 2023-24 as claimed by APL (Rs. Crore)......76 Table 2-43: Summary of Financing Charges for Long Term Loans for FY 2022-23 and FY 2023-24, as submitted by APL (Rs. Crore)......76 Table 2-44: Summary of Financing Charges for Long Term Loans for FY 2022-23 and FY 2023-Table 2-45: Summary of Financing Charges for Long Term Loans for FY 2022-23 and FY 2023-Table 2-46: Summary of Financing Charges for Working Capital Loans for FY 2022-23, as approved by the Commission (Rs. Crore)78 Table 2-47: Type of Hedging contracts made for \$ 300 Million Bond and \$ 282 Millon Sub-debt Table 2-48: Realised FERV loss for FY 2023-24 as claimed by APL (Rs. Crore)......79 Table 2-49: FERV claimed for APL, AEML-T and AEML-D for FY 2023-24 (Rs. Crore)......80 Table 2-50: Foreign Exchange Rate Variation on Loans for FY 2023-24, as approved by the Commission (Rs. Crore)80 Table 2-51: Summary of Foreign Exchange Rate Variation on Loans for FY 2023-24, as claimed by APL and as approved by the Commission (Rs. Crore)......81 Table 2-52: Return on Equity for FY 2022-23 and FY 2023-24 (Rs. Crore)......82 Table 2-53: Ramp Rate and MTBF for FY 2022-23 and FY 2023-24......83 Table 2-54: Additional Performance RoE for FY 2022-23 and FY 2023-24......84 Table 2-55: Pre-Tax Return on Equity for FY 2022-23 and FY 2023-24 approved by the Table 2-56: Return on Equity for FY 2022-23 and FY 2023-24 approved by the Commission (Rs Table 2-57: Interest on Working Capital as per APL for FY 2022-23 and FY 2023-24 (Rs. Crore)87 Table 2-58: Interest on working capital approved for FY 2022-23 and FY 2023-24 (Rs. Crore) ..88 Table 2-59: PLF Incentive as approved by the Commission for FY 2022-2389 Table 2-60: Net Entitlement in Fuel Expenses for FY 2022-23 and FY 2023-24.....90 Table 2-61: Sharing of gains/ (losses) on account of fuel parameters approved by the Commission (Rs. Crore)91 Table 2-62: Sharing of gains/ (losses) on account of O&M expenses for FY 2022-23 and FY Table 2-63: Actual Interest on working capital for FY 2022-23 and FY 2023-24 (Rs. Crore)......93 Table 2-65: Actual Interest on Working Capital for APL FY 2022-23 and FY 2023-24, as approved by the Commission (Rs. Crore)95 Table 2-66: Actual Interest on Working Capital for FY 2022-23 and FY 2023-24, as approved by the Commission (Rs. Crore)95 Table 2-67: Sharing of gains/ (losses) on account of Interest on Working Capital for FY 2022-23 and FY 2023-24 approved by the Commission (Rs. Crore)......96 Table 2-68: : Non Tariff Income for FY 2022-23 and FY 2023-24 (Rs. Crore)......96 Table 2-69: Reconciliation of Non-Tariff Income with Allocated statement for FY 2022-23 and Table 2-70: Non-Tariff Income for FY 2022-23 and FY 2023-24 approved by the Commission Table 2-71: Revenue from Sale of Power for FY 2022-23 and FY 2023-24 (Rs. Crore)98 Table 2-72: Revenue for FY 2022-23 and FY 2023-24 approved by the Commission (Rs. Crore)99 Table 2-73: Summary of Revenue Gap/(Surplus) approved by the Commission (Rs. Crore)99 Table 3-1: Estimated Availability for FY 2024-25 approved by the Commission102 Table 3-2: PLF Estimated for Provisional True-up of FY 2024-25 approved by the Commission Table 3-3: Summary of Operational Performance Parameters for FY 2024-25 approved by the Commission 105

Table 3-9: Fuel Expenses and Energy Cost for FY 2024-25 approved by the Commission	.117
Table 3-10: Provisional O&M Expenses for FY 2024-25 as per APL (Rs. Crore)	.119
Table 3-11: Provisional O&M Expenses approved for FY 2024-25 (Rs. Crore)	.120
Table 3-12: Cumulative Non-DPR Capitalization as % of cumulative DPR capitalization from 2020-21 to FY 2024-25 (Rs. Crore)	
Table 3-13: Capitalisaiton under DPR scheme for FY 2024-25 (Rs. Crore)	.123
Table 3-14: Cumulative Non-DPR Capitalization as % of cumulative DPR capitalization approfor FY 2024-25 (Rs. Crore)	
Table 3-15: Capitalization approved by the Commission for FY 2024-25 (Rs Crore)	.125
Table 3-16: Depreciation for FY 2024-25 as submitted by APL (Rs. Crore)	.125
Table 3-17: Depreciation for FY 2024-25 approved by the Commission (Rs. Crore)	.126
Table 3-18: Interest on loans for FY 2024 25 as claimed by APL (Rs. Crore)	.127
Table 3-19: Weighted Average Interest Rate for FY 2024-25	.128
Table 3-20: Interest on loan for FY 2024-25 as approved by the Commission (Rs. Crore)	.128
Table 3-21: Interest on working capital for FY 2024-25 as per APL (Rs. Crore)	.129
Table 3-22: Interest on working capital for FY 2024-25 approved by the Commission (Rs. Cro	re)
Table 3-23: Return on Equity for FY 2024-25 as submitted by APL(Rs. Crore)	.132
Table 3-24:Return on equity for FY 2024-25 approved by the Commission (Rs. Crore)	
Table 3-25: Non-Tariff Income for FY 2024-25 as submitted by APL(Rs. Crore)	.134
Table 3-26:Non-Tariff Income for FY 2024-25 approved by the Commission	
Table 3-27:Revenue for FY 2024-25 submitted by APL	.135
Table 3-28: Revenue for FY 2024-25 as approved by the Commission (Rs. Crore)	.135
Table 3-29: Revenue Gap/ (Surplus) for FY 2024-25 approved by the Commission (Rs. Crore)	
Table 4-1: No. of outage days (planned and unplanned) in 5 th Control Period	.138
Table 4-2: Operational parameters from FY 2025-26 to FY 2029-30 as per APL	.139
Table 4-3: Operational parameters for FY 2025-26 to FY 2029-30 approved by the Commission	
Table 4-4: As Billed and As Received GCV for FY 2025-26 to FY 2029-30 as per APL (kCal/	kg)
Table 4-5: Coal Requirement from FY 2025-26 to FY 2029-30 as per APL (Lakh/MT)	.143
Table 4-6: Coal cost from alternate mine of SECL	.144
Table 4-7: Coal Requirement and landed price as per APL	
Table 4-8: Fuel Cost and Energy Charges from FY 2025-26 to FY 2029-30 as submitted by A	
Table 4-9: Weighted average Landed cost of coal for FY 2025-26 approved by the Commissio (Rs./MT)	
Table 4-10: GCV of Coal/Oil for 5 th MYT Control Period FY 2025-26 to FY 2029-30 approve	ed

by the Commission (kCal/kg) / (kCal/kl)
Table 4-11: Fuel Cost for 5 th MYT Control Period as approved by the Commission
Table 4-12: Net Entitlement of O&M expense from FY 2019-20 to FY 2023-24 after including
wage revision arrears by APL (Rs. Crore)
Table 4-13: Escalation factor used for deriving normative O&M expense for next Control Period
Table 4-14: Base O&M expense as per APL for next Control Period (Rs. Crore)
Table 4-15: O&M expenses for FY 2025-26 to FY 2029-30 submitted by APL (Rs. Crore)154
Table 4-16: Net Entitlement of O&M expenses from FY 2019-20 to FY 2023-24 approved by the Commission (Rs. Crore)
Table 4-17: O&M expenses for 5 th MYT Control period FY 2025-26 to FY 2029-30 approved by the Commission (Rs. Crore)
Table 4-18: Capitalisation for 5 th MYT Control Period FY 2025-26 to FY 2029-30 as per APL (Rs. Crore)
Table 4-19: Existing DPR scheme capitalised in 5 th MYT Control Period (Rs. Crore)159
Table 4-20: NDPR Scheme as proposed by APL for 5 th MYT Control Period (Rs. Crore)159
Table 4-21: Average capitalization for past three years (Rs. Crore)161
Table 4-22: Capitalisation - 5 th MYT Control Period approved by the Commission (Rs. Crore) 161
Table 4-23: Depreciation for FY 2025-26 to FY 2029-30 as per APL (Rs. Crore)162
Table 4-24: Depreciation approved by Commission for 5 th MYT Control Period (Rs. Crore)163
Table 4-25: Interest on Loan for FY 2025-26 to FY 2029-30 as per APL (Rs. Crore)164
Table 4-26: Interest on Loan for MYT Control Period approved approved by the Commission (Rs.
Crore)
Table 4-27: Interest on Working capital from FY 2025-26 to FY 2029-30 as per APL (Rs. Crore)
Table 4-28: Interest on Working Capital for 5 th MYT Control Period approved by the Commission (Rs. Crore)
Table 4-29: Return on Equity for FY 2025-26 to FY 2029-30 as per APL (Rs. Crore)168
Table 4-30:Return on equity for 5 th MYT Control Period approved by the Commission (Rs. Crore)
Table 4-31: NTI from FY 2025-26 to FY 2029-30 by APL (Rs. Crore)170
Table 4-32:Non-Tariff Income for 5 th MYT Control Period approved by the Commission (Rs. Crore)
Table 4-33: Carrying cost on incremental Revenue gap/ (surplus) for FY 2022-23 to FY 2025-26 as per APL (Rs. Crore)
Table 4-34: Carrying cost on Revenue gap/ (surplus) for FY 2023-24 to FY 2025-26 as per APL (Rs. Crore)
Table 4-35: Revenue gap/ (surplus) till FY 2024-25 as per APL (Rs. Crore)171
Table 4-36: Carrying / Holding Cost on Revenue Surplus approved by the Commission (Rs.

Table 4-37: Revenue Surplus of Previous Years & Holding Cost approved by the Commission Table 4-38: ARR for FY 2025-26 to FY 2029-30 as submitted by APL (Rs. Crore)173 Table 4-39:ARR for 5th MYT Control Period FY 2025-26 to FY 2029- approved by the Table 5-1:Approved AFC for 5th MYT Control Period FY 2025-26 to FY 2029-30 (Rs. Crore).176 Table 6-1: Actual grade of coal lifted from SECL in H1 of FY 2022-23181 Table 6-3: Energy charge considering approved and actual blending ratio in FY 2022-23 and FY Table 6-4: Comparative statement of imported coal procured through Dahanu port and through Table 6-5: Comparative statement of imported coal procured through Dahanu port and through Table 6-6: Comparative statement of imported coal procured through Dahanu port and through LIST OF APPENDIX Appendix - I - List of persons who attended the TVS on 28 November 2024......191 Appendix - II - List of persons who attended the E-Public Hearing on 18 February 2025.......192 Appendix - III - Details of DPR Scheme allowed for FY 2022-23 (Rs. Crore)......193 Appendix - IV - Details of DPR Scheme allowed for FY 2023-24 (Rs Crore)......199 Appendix - V - Details of NDPR Scheme allowed for FY 2022-23 (Rs. Crore)......203 Appendix - VI - Details of NDPR Scheme allowed for FY 2023-24 (Rs. Crore)......206 Appendix - VII - Details of NDPR Scheme for FY 2024-25 as submitted by APL (Rs. Crore) .209

LIST OF ABBREVIATIONS

Abbreviations		
ADTPS	Adani Dahanu Thermal Power Station	
AEML	Adani Electricity Mumbai Ltd	
AEML-G	Adani Electricity Mumbai Ltd - Generation Business	
AEML-T	Adani Electricity Mumbai Ltd - Transmission Business	
AEML-D	Adani Electricity Mumbai Ltd - Distribution Business	
AFC	Annual Fixed Charges	
APL	Adani Power Ltd	
ARR	Aggregate Revenue Requirement	
ARB	As Received Basis	
APTEL	Appellate Tribunal for Electricity	
ATMF	At the Money Forward	
ATL	Adani Transmission Limited	
Aux.	Auxiliary	
A&G	Administrative and General	
BEWU	Bombay Electric Worker's Union	
BSES Ltd	Bombay Suburban Electric Supply Ltd.	
CA	Chartered Accountant	
CAPEX	Capital Expenditure	
CENVAT	Central Value Added Tax	
CCS	Cross Currency Swap	
CERC	Central Electricity Regulatory Commission	
CEA	Central Electricity Authority	
CBEC	Central Board of Excise and Customs	
CFR	Cost and Freight	
CIL	Coal India Limited	
CIMFR	Central Institute of Mining and Fuel Research	
Commission/ MERC	Maharashtra Electricity Regulatory Commission	

Abbreviations	
СРІ	Consumer Price Index
CSR	Corporate Social Responsibility
CWIP	Capital Work in Progress
DA	Dearness Allowance
DPR	Detailed Project Report
DTPS	Dahanu Thermal Power Station
EA, 2003	Electricity Act, 2003
EB	Equilibrated Basis
FAC	Fuel Adjustment Cost
FDA	Fixed Dearness Allowance
FGD	Flue Gas Desulphurisation
FOB	Free on Board
FoR	Forum of Regulators
FSA	Fuel Supply Agreement
FY	Financial Year
GCV	Gross Calorific Value
GFA	Gross Fixed Assets
GGH	Gas-gas Heater
GMTN	Global Medium-Term Note
H1	First Half of Financial Year (April-19 to September-19)
H2	Second Half of Financial Year (October-19 to March-20)
HBA Indices	Harga Batubara Acuan Indices
HFO	Heavy Fuel Oil
ICI	Indonesian Coal Index
IDC	Interest During Construction
IoWC	Interest on Working Capital
IT	Income Tax
Kcal	kilo Calories
kJ	kilo Joule
Kl	kilo Liter

Abbreviations	
Km	Kilo Meter
kW	kilo Watt
kWh	kilo Watt hour
LDO	Light Diesel Oil
LoA	Letter of Assurance
MAT	Minimum Alternate Tax
MCLR	Marginal Cost of funds-based Lending rate
ML	Milli Liter
MoC	Ministry of Coal
MOD	Merit Order Despatch
MoEF	Ministry of Environment, Forest and Climate Change
MSLDC	Maharashtra State Load Despatch Centre
MSPGCL	Maharashtra State Power Generation Company Limited
MT	Metric Tonne
MTBF	Mean Time Between Failure
MTR	Mid-Term Review
MU	Million Units
MW	Mega Watt
MYT	Multi Year Tariff
NABL	National Accreditation Board for Testing and Calibration Laboratories
NAPAF	Normative Annual Plant Availability Factor
NCD	Non-Convertible Debenture
NIT	Notice Inviting Tender
NTI	Non-Tariff Income
OPEX	Operational Expenditure
O&M	Operation & Maintenance
PAF	Plant Availability Factor
PBT	Profit Before Tax

Abbreviations	
PLR	Prime Lending Rate
POS	Principal Only Swap
PPA	Power Purchase Agreement
RBI	Reserve Bank of India
R&M	Repair & Maintenance
REC	Rate of Energy Charge
RLA	Residual Life Assessment
RoE	Return on Equity
RTL	Rupee Term Loan
SBI	State Bank of India
SBAR	State Bank Advance Rate
SECL	South Eastern Coalfields Limited
SERC	State Electricity Regulatory Commission
SFOC	Secondary Fuel Oil Consumption
SHR	Station Heat Rate
SLDC	State Load Despatch Centre
TPS	Thermal Power Station
TM	Total Moisture
USD	United State Dollar
WPI	Wholesale Price Index

BACKGROUND AND BRIEF HISTORY

1.1 Background

1

- 1.1.1 Adani Dahanu Thermal Power Station (**ADTPS**) is a Coal-fired Thermal Power Plant at Dahanu, Maharashtra with an installed capacity of 500 MW consisting of two units of 250 MW each.ADTPS is supplying power to Adani Electricity Mumbai Limited-Distribution Business (AEML-D) for the Distribution License area in Mumbai. The two Units of ADTPS were commissioned on 6 January 1995 and 29 March, 1996 respectively. ADTPS had been a part of Adani Electricity Mumbai Limited (AEML).
- 1.1.2 In order to improve resource management and ensure effective supply of power from ADTPS, AEML in its board meeting held on 24 July 2024 decided to divest the ownership of ADTPS to another company within the Adani group, i.e. APL. The divestment has been carried out on 30 September, 2024. Pursuant to the transfer of ADTPS, AEML-D and APL filed Case No 154 of 2024 before the Commission for approval of the Power Purchase Agreement (PPA) between APL and AEML-D till 31 March 2025. The Commission approved the PPA in its Order dated 6 January 2025, allowing procurement of power from 500 MW ADTPS subject to conditions as specified in the said Order.

1.2 Relevant MYT Regulations, Tariff Orders, Appeals and MTR Petition.

- 1.2.1 MYT Regulations, 2019: The Commission notified the MYT Regulations, 2019 on 1 August, 2019. These Regulations are applicable for MYT 4th MYT Control Period, i.e., from FY 2020-21 to FY 2024-25.
- 1.2.2 MYT Order for the 4th Control Period FY 2020-21 to FY 2024-25: Vide its Order dated 30 March 2019 in Case No 298 of 2019, the Commission approved the Tariff for 4th MYT Control Period from FY 2020-21 to FY 2024-25. In the said Order, the Commission had also approved the final Truing-up for FY 2017-18 and FY 2018-19.
- 1.2.3 Mid-Term Review (MTR) Order for the 4th Control Period FY 2020-21 to FY 2024-25: Vide its Order dated 31 March, 2023 in Case No 229 of 2022, the Commission has approved the final True-up of ARR for FY 2019-20 in accordance with MYT Regulations, 2015, final True-up of ARR for FY 2020-21 and FY 2021-22, Provisional True-up of ARR for FY 2022-23 and Revised ARR for FY 2023-24 and FY 2024-25, in accordance with MYT Regulations, 2019.
- 1.2.4 On 2 January 2025, APL filed revised MYT Petition for Final Truing-up of ARR for FY 2022-23 and FY 2023-24, Provisional Truing-up of ARR for FY 2024-25 and for determination of ARR and Tariff for 5th Control Period viz., FY 2025-26 to FY 2029-30.
- 1.2.5 The Commission has taken into consideration the above-referred Orders and Regulations issued from time to time for this Final Truing-up for the period FY 2022-23 and FY 2023-24, Provisional Truing-up of FY 2024-25 and for determination of ARR and Tariff for respective years of 5th Control Period viz., FY 2025-26 to FY 2029-30.

1.3 Pending Appeals filed before Hon'ble Supreme Court of India and Hon'ble Appellate Tribunal for Electricity (ATE)

- 1.3.1 Certain appeals are pending before the Hon'ble ATE, which were preferred by APL erstwhile AEML-G against the MTR Order dated 26 June 2015, MYT Order dated 18 August 2016, MTR Order dated 12 September 2018, MYT Order dated 30 March 2020, and MTR Order dated 31 March 2023 issued by the Commission has been highlighted below:
- 1.3.2 Civil Appeal No 4825 of 2012: APL ,erstwhile AEML-G/RInfra-G, filed a Civil Appeal No. 4825 of 2012 before the Hon'ble Supreme Court of India on the issue of Transit loss on imported coal, which is presently sub-judice.
- 1.3.3 Appeal No 225 of 2015 against Case No 222 of 2014: APL, erstwhile AEML-G/RInfra-G, filed an Appeal before the Hon'ble APTEL in Appeal No. 225 of 2015 on the following issues, which is sub-judice before APTEL:
 - Disallowance of Carrying Cost on Income-Tax claimed for the period FY 2009-10, FY 2010-11 and FY 2011-12.
 - Disallowance of Carrying Cost on compounded interest basis (i) in respect of revised capitalization for FY 2010-11 and FY2011-12, reassessment of interest on loan and revenue gap on truing up for FY2012-13 and FY2013-14 on which carrying costs was allowed on simple interest basis and (ii) in respect of income-tax.
- 1.3.4 Appeal No. 315 of 2016 against Case No. 14 of 2016: APL ,erstwhile AEML-G/RInfra-G, filed an Appeal before the Hon'ble APTEL in Appeal No. 315 of 2016 on the following issues, which is sub-judice before Hon'ble APTEL:
 - Disallowance of Impact of wage revision over and above the benchmark for O&M expenses for the control period FY 2016-17 to FY 2019-20;
 - Consideration of payables for fuel in the computation of working capital and interest thereon.
 - Disallowance of Carrying Cost on compounded interest basis in respect of revenue surplus on which carrying costs were allowed on a simple interest basis
- 1.3.5 Appeal No. 442 of 2019 against Case No. 202 of 2017: APL, erstwhile AEML-G/RInfra-G, has filed an Appeal before Hon'ble APTEL in Appeal No. 442 of 2019 against the MTR Order in Case No. 202 of 2017 on the following issues and said appeal is sub-judice before the Hon'ble APTEL.
 - Actual Interest on Working Capital for FY 2016-17 was considered as Nil and difference between normative and actual Interest on Working Capital was considered as efficiency gains.
 - Consideration of normative Fuel cost, O&M expenses & Interest on Working Capital while computing Profit Before Tax (PBT) for FY 2015-16 and FY 2016-17.
- 1.3.6 Appeal No. 395 of 2022 against Case No 298 of 2019: APL, erstwhile AEML-G, has filed an Appeal before Hon'ble APTEL in Appeal No. 395 of 2022 against the MYT Order in Case No. 298 of 2019 on the following issues and said appeal is sub-judice

before the Hon'ble APTEL:

- Disallowance of additional auxiliary energy consumption of 0.80% for tube type coal mill.
- Disallowance of Auxiliary Energy consumption of Flue Gas Desulphurisation (FGD) of FY 2018-19 and FY 2019-20.
- With respect to non-consideration of Provident Fund as uncontrollable expenses pursuant to Hon'ble Supreme Court Judgment in Civil Appeal No 6221 of 2011 and batch
- Disallowance of capital cost on account of cost and time over-run for FY 2017-18 and FY 2018-19.
- Grossing up Return on Equity (RoE) with Effective Tax rates for the MYT Control Period.
- Disallowance with respect to the Income tax for FY 2019-20.
- Non-consideration of refinancing charges of Rs. 14.83 Cr. and consideration of net refinancing charges proportionate to regulatory debt
- Computation of Net savings on account of refinancing
- Consideration of regulatory depreciation equivalent to repayment.
- Consideration of discount rate as pre-tax cost of debt.
- Additional rate of Return for the Control Period FY 2020-21 to FY 2024-25.
- Disallowance of actual O&M expense for FY 2018-19 (Corporate expense for FY 2018-19).
- Impact of GST on O&M expenses from FY 2017-18 onwards.
- Efficiency Factor for FY 2018-19 and FY 2019-20.
- Revised normative O&M of previous year considered as base expenses for allowing normative O&M expense for next year.
- Consideration of only actual Interest on short-term loans as interest on working capital, without considering cost of capital deployed from internal resources to fund working capital.
- Consideration of normative Fuel cost, O&M expenses & Interest on Working Capital while computing Profit Before Tax for FY 2015-16 and FY 2016-17.
- Non-Consideration of impact of wage revision for FY 2017- 18 and FY 2018-19 over and above the normative O&M cost.
- 1.3.7 Appeal No. 543 of 2023 against Case No 229 of 2022: APL, erstwhile AEML-G, has filed an Appeal before Hon'ble APTEL in Appeal No 543 of 2023 against the MTR Order dated 31 March, 2023 in Case No 229 of 2022 on the following issues and said appeal is sub-judice before the Hon'ble APTEL:
 - a) Disallowance of a portion of RoE for FY 2020-21 and FY 2021-22 by considering Minimum Alternate Tax (MAT) rate as the Effective Tax Rate instead of Corporate Tax Rate claimed by the Appellant.

.. .

- b) Disallowance of inclusion of penalty in actual Fuel expense
- c) Disallowance of request to consider maximum GCV loss in transit of 300 kCal/kg separately for raw coal, instead of considering the same on blended basis in FY 2020-21 and FY 2021-22.
- d) Disallowance of transit loss of 0.8% for imported coal procured through Dahej port in FY 2022-23.
- e) Disallowance of additional Auxiliary Energy consumption of 0.80% for tube type coal mill from FY 2020-21 onwards.
- f) Deduction of Efficiency Factor of 1% from the Escalation rate derived on the basis of CPI and WPI inflation for FY 2019-20.
- g) Disallowance of a portion of Corporate Expense (part of actual O&M Expense) for FY 2019-20 and FY 2021-22.
- h) Disallowance of impact of GST in O&M Expense for FY 2019-20, FY 2020-21 and FY 2021-22.
- i) Disallowance in O&M expense claimed for the period during COVID-19 pandemic in FY 2020-21.
- j) Disallowances in allowing the expense shifted from Capitalization claimed for FY 2021-22 to O&M expense for FY 2021-22 separately.
- k) Disallowance of impact of Provident Fund as Uncontrollable Expenses.
- 1) Disallowance of impact of wage revision (which was made in FY 2016-17) for FY 2019-20 to FY 2021-22 over and above the normative O&M cost
- m) Disallowance of Finance Charges for New Capex Loans (part of Financing Charges) for FY 2019-20.
- n) Disallowance of a portion of Finance Charges for External Commercial Borrowing (ECB) for FY 2019-20
- o) Disallowance of a portion of Bank Charges (part of Financing Charges) for FY 2019-20
- p) Disallowance of a portion of Financing Charges for Working Capital Loans for FY 2019-20.
- q) Disallowance of a portion of Forex loss on Financing Charges for FY 2019-20 and FY 2020-21.
- r) Disallowance of a portion of Forex loss on loans for FY 2019-20 and FY 2021-22.
- s) Non-Consideration Refinancing charges incurred for availing overseas loans of Bond and Sub-debt proportionate to Regulatory Debt.
- t) Non-Consideration of computation of Net savings on account of refinancing of Indian Loans with overseas loans by considering regulatory depreciation equivalent to repayment and by considering discount rate as pre-tax cost of debt.
- u) Non-Consideration of normative Fuel cost, normative O&M expense and normative Interest on Working Capital in the expense side and deduction of efficiency gains from revenue while computing Profit Before Tax for FY 2019-20.

.. .

- v) Disallowance of Interest on Working Capital for FY 2020-21
- 1.3.8 As the appeals before the Hon'ble APTEL and the Hon'ble Supreme Court are pending, the Commission has not considered their impact in this Order.

1.4 APL's main prayers are as follows:

- 1. Approve the actual revenue gap/ surplus arising on account of truing-up for FY 2022-23 and FY 2023-24 along with the carrying / holding cost as worked out in this petition;
- 2. Approve the provisional ARR and revenue gap/ surplus for FY 2024-25 as worked out in this petition;
- 3. Approve the Aggregate Revenue Requirement (ARR) and Tariff for the FY 2025-26 and FY 2029-30, as projected in this Petition;
- 4. Allow the recovery of cumulative revenue gap/surplus till FY 2024-25 as worked out in this Petition by including it in the ARR of FY 2025-26;
- 5. Allow specific deviations from the MYT Regulations, 2019 and MYT Regulations, 2024, wherever sought in this Petition;
- 6. Grant specific prayers, wherever made in this Petition, for reconsideration / relaxation of rulings made in previous Tariff Orders;

1.5 Admission of the Petition and Public Consultation Process

- 1.5.1 The PPA between APL/AEML-G with AEML-D was expiring on 31 March, 2025, APL had filed MYT Petition on 31 October, 2024 with scope of Truing up of FY 2022-23 and FY 2023-24 and Provisional True up of FY 2024-25 only.
- 1.5.2 Accordingly, data gaps on APL's Petition were forwarded vide e-mails dated 8 November, 2024 and 21 November 2024 to which APL submitted its replies on 15 November, 2024, 20 November 2024, 27 November, 2024 and 30 November, 2024 respectively.
- 1.5.3 The Technical Validation Session (**TVS**) was held on 28 November, 2024. The list of persons who attended the TVS is annexed herewith as **Appendix 'I'**.
- 1.5.4 Meanwhile, AEML-D had filed Petitions seeking approval for deviations under Long-Term procurement of power 1500 MW in Case No. 140 of 2024 and approval of PPA between AEML-D and APL in Case No. 154 of 2024.
- 1.5.5 On 26 December, 2024, the Commission in Case No. 140 of 2024 directed AEML-D to enter into PPA with APL for supply of 500 MW power from ADTPS on the same terms and conditions of existing PPA for the period 1 April 2025 till 31 March 2030. The Commission also directed APL to revise its MYT Petition after including the ARR and Tariff projections for the next control period i.e. FY 2025-26 to FY 2029-30 and submit the revised Petition within a week of this Order.
- 1.5.6 Further, the Commission in Order dated 6 January 2025 in Case No. 154 of 2024 has

- approved the PPA between AEML-D and APL, subject to several conditions, including that there will be no adverse tariff impact on consumers and that APL will assume all existing obligations related to the operation of APL.
- 1.5.7 Subsequently, APL filed the revised Petition on 2 January 2025 incorporating replies given to data gaps raised by the Commission.
- 1.5.8 Further data gaps on APL's revised Petition were forwarded vide e-mail dated 7 January 2025 to which APL submitted its replies on 11 January, 2025.
- 1.5.9 The Commission admitted the revised Petition on 14 January, 2025. In accordance with Section 64 (2) of the EA, 2003, the Commission directed APL to publish its Petition in an abridged form inviting comments/objections on its Petition and to reply expeditiously to all suggestions and objections received from the public on its Petition.
- 1.5.10 APL published a Public Notice inviting comments/suggestions/objections on its Petition. The Public notice was published in the following newspapers inviting public suggestions/objections and intimating the date of the Public Hearing.

Newspaper	Date
Indian Express (English)	
Free Press Journal (English)	19 January 2025
Loksatta (Marathi)	- 18 January, 2025
Navshakti (Marathi)	

Table 1-1: Publication of Notice for Public Hearing

- 1.5.11 Copies of the Petition and its Executive Summary were made available to the public at APL's office in Dahanu and on APL's website (www.adanipower.com). The Public Notice and Executive Summary of the Petition were also made available on the website of the Commission (www.merc.gov.in) in downloadable format.
- 1.5.12 The Commission has not received any suggestion or objection on the Petition. An E-Public Hearing was held on 18 February, 2025 through virtual mode on MS-Teams platform. The list of persons who participated inthe Public Hearing is annexed at **Appendix 'II'**.
- 1.5.13 The Commission has ensured that the due process contemplated under the law to ensure transparency and public participation was followed at every stage and adequate opportunity was given to all concerned to present their say.

1.6 Organisation of the Order:

- 1.6.1 This Order is organized in the following Sections;
 - Section 1 provides a brief history and sets out the quasi-judicial regulatory process undertaken by the Commission. A list of abbreviations with their expanded forms is included.
 - o Section 2 deals with the approval of Final Truing-up of ARR for FY 2022-23 and

FY 2023-24 as per MYT Regulations, 2019.

- Section 3 deals with the Provisional Truing-up of ARR for FY 2024-25 as per MYT Regulations, 2019.
- Section 4 deals with the approval of ARR and determination of Tariff for FY 2025-26 to FY 2029-30 as per MYT Regulations, 2024.
- o **Section 5** deals with the Tariff for the 5th MYT Control Period
- o **Section 6** deals with the compliance of previous directives issued to APL, and further directives issued in this Order.
- o **Section 7** deals with the applicability of the Order.