

We are India's No. 1 utility company according to Ministry of Power's 11th Annual Integrated Rating and Ranking for Power Distribution Utilities, a report prepared by McKinsey & Company.



adani
Electricity

INDIA'S
NO. 1
POWER
UTILITY





24th National Award for Excellence in
Energy Management 2023



About us



**2 X 250MW
COMM. YEAR –
JAN/MAR 1995**



**LOCATION – 120 KMS FROM
MUMBAI
24 KMS FROM NH48**



TOTAL LAND – 848.91 H



**SUPPLY POWER TO
MUMBAI**

ADTPS – Last 20 years Performance

Description

Plant Load Factor (PLF)	91.79 %
Availability	95.28 %
Specific Oil consumption	0.120 ml/kwh
Aux Consumption without FGD	7.857 %
Aux Consumption with FGD	9.176 %
Heat Rate	2284 Kcal/kwh



ADTPS achieved Plant load factor > 100% For 9 financial years

System Based Approach



01

Quality Management System
(ISO 9001:2015)

02

Asset Management System
(ISO 55001:2014)

03

Environment Management System
(ISO 14001:2015)

04

Energy Management System
(ISO 50001:2018)

05

Water Efficiency Management System (ISO 46001:2019)

06

Occupational & Health
(ISO 18001:2007)

07

Business Continuity Management System (ISO 22301:2012)

08

IRBC
(ISO/IEC 27031 : 2011)

09

Social Responsibility (ISO 26000 : 2010)

10

NABL Accreditation for coal testing laboratory (ISO/IEC 17025:2005)

11

Information Security (ISO 27001:2005)

12

Social Accountability (SA 8000:2014)

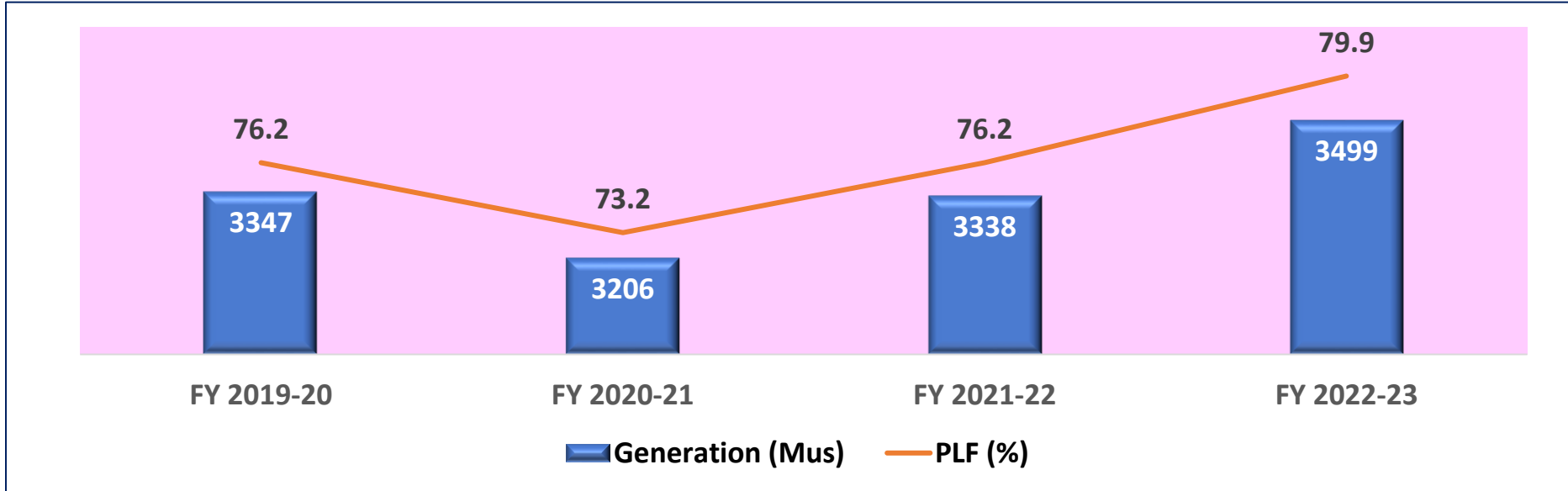
ADTPS is the utility to implement 12 nos of ISO management standards.

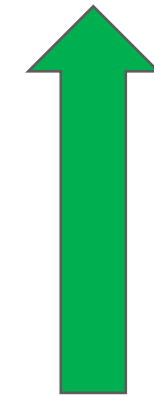
Current year performance

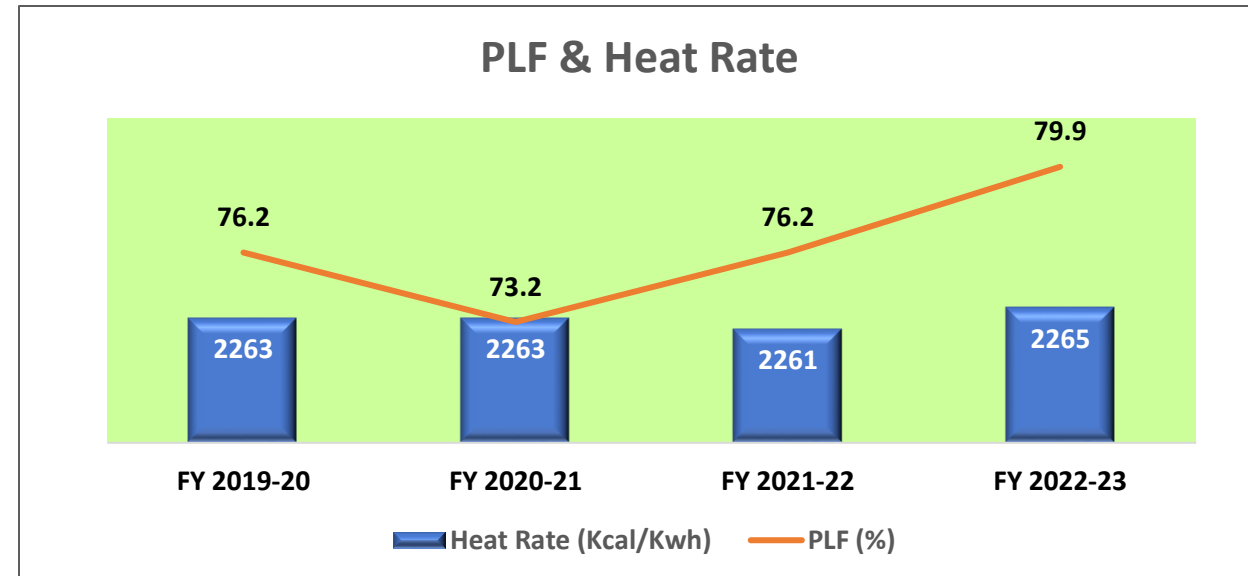
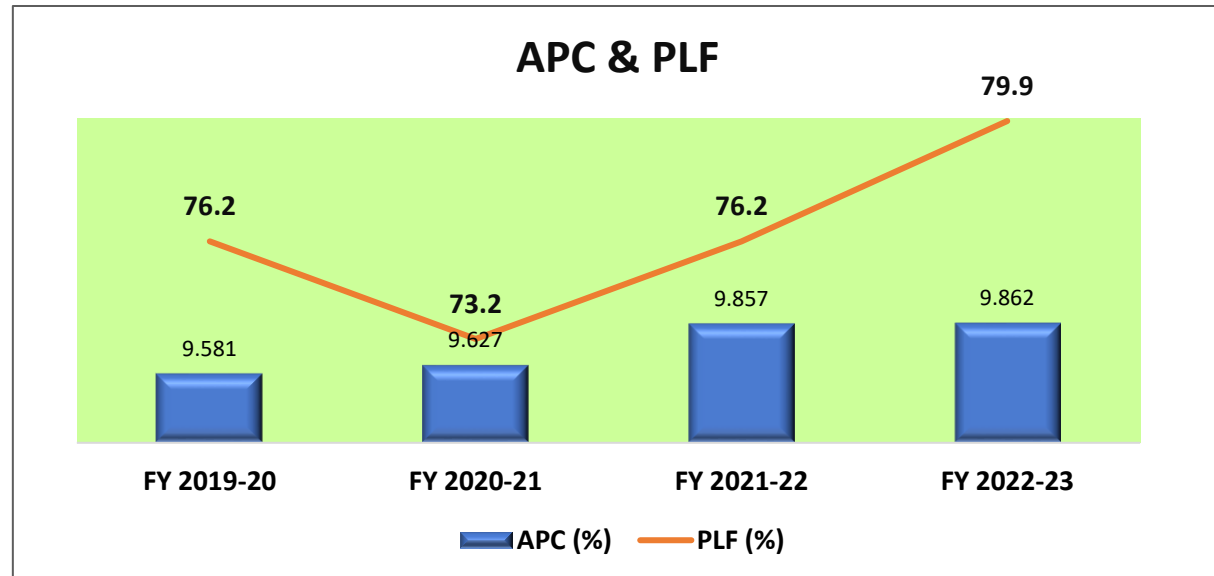


Parameters	UOM	Data
Annual Generation	Mus	1129
PLF	%	77.16
Availability	%	96.36
Gross Heat Rate	Kcal/Kwh	2276
Auxiliary Power excluding FGD	%	9.063
Boiler Efficiencies (station wise)	%	87.00
Turbine Heat Rates (station wise)	Kcal/Kwh	1980
DM Water consumption	%	0.362

Energy Consumption Overview

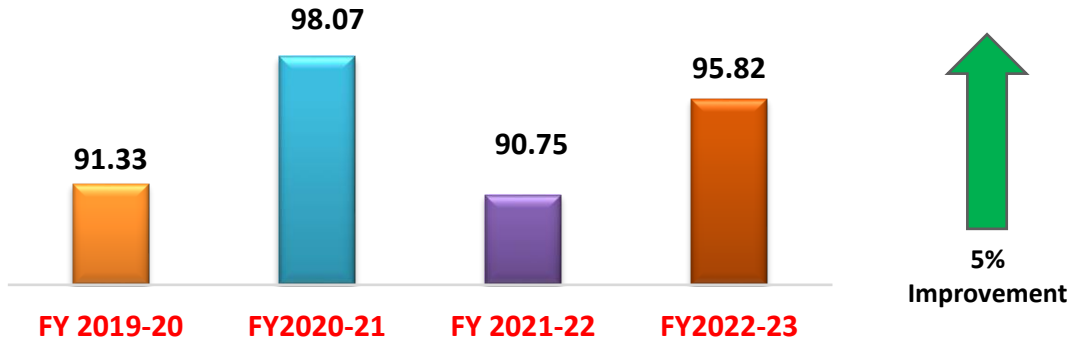



**4.5 %
Improvement**

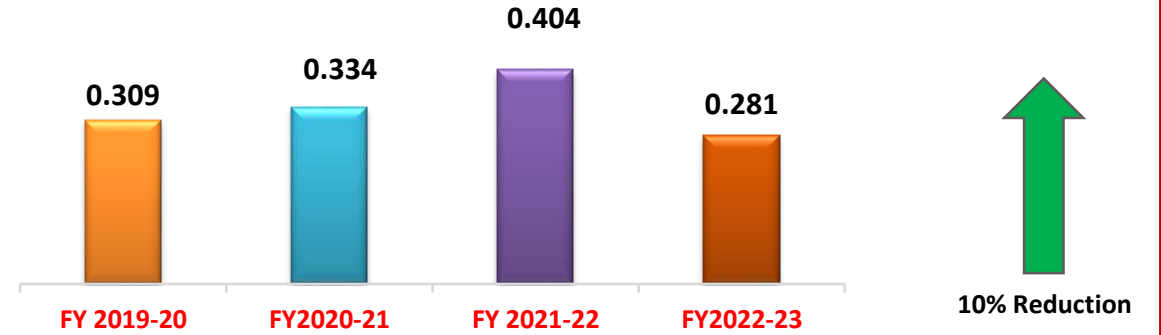


Energy Consumption Overview

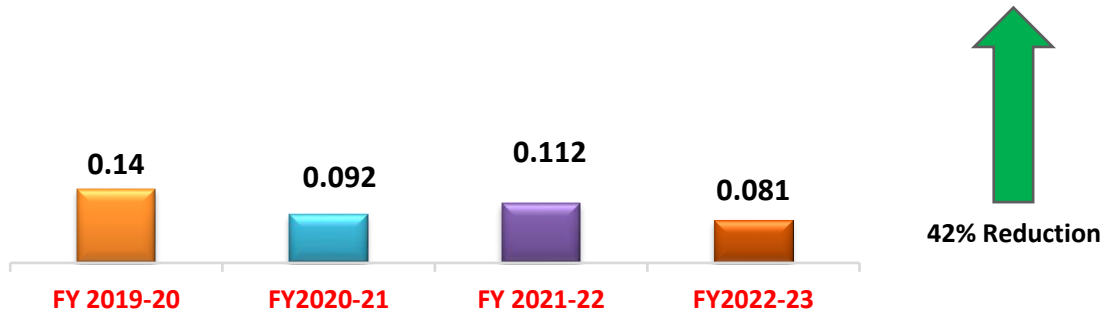
Availability (%)



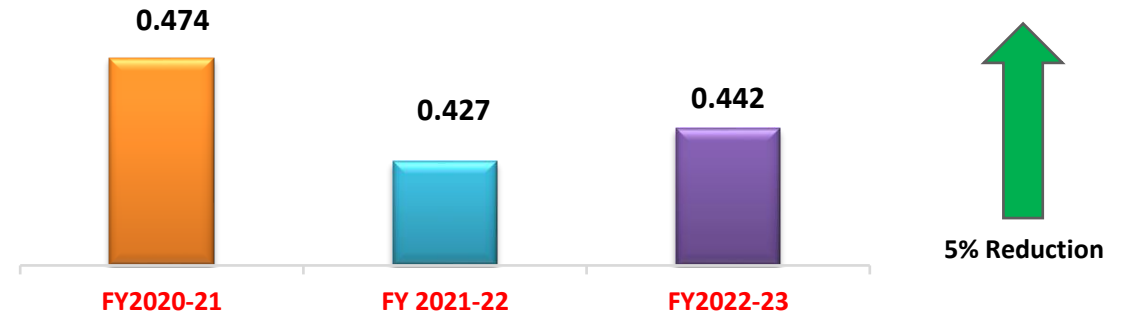
DM Water Cons.-%



Sp Oil Consumption –ml/kwh



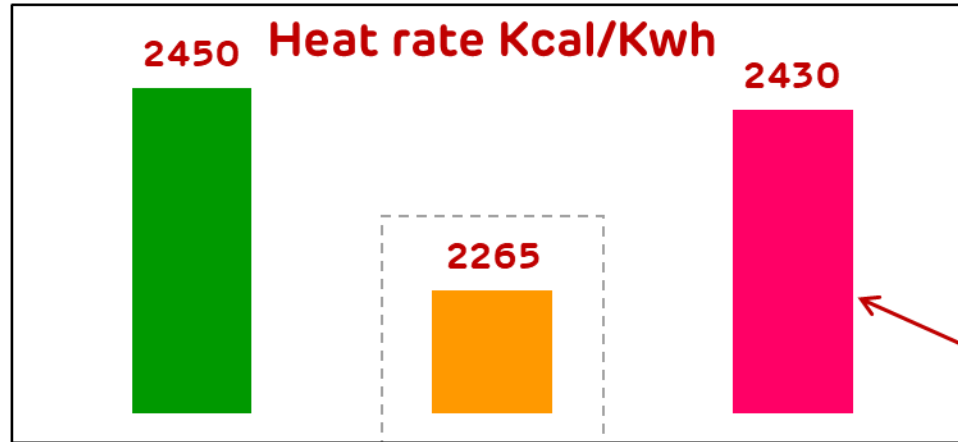
Raw Water Consumption–m3/wh



Unit-2 Overhaul deferred as per SLDC instruction due to Grid exigency

Benchmarking wrt Regulatory Norms

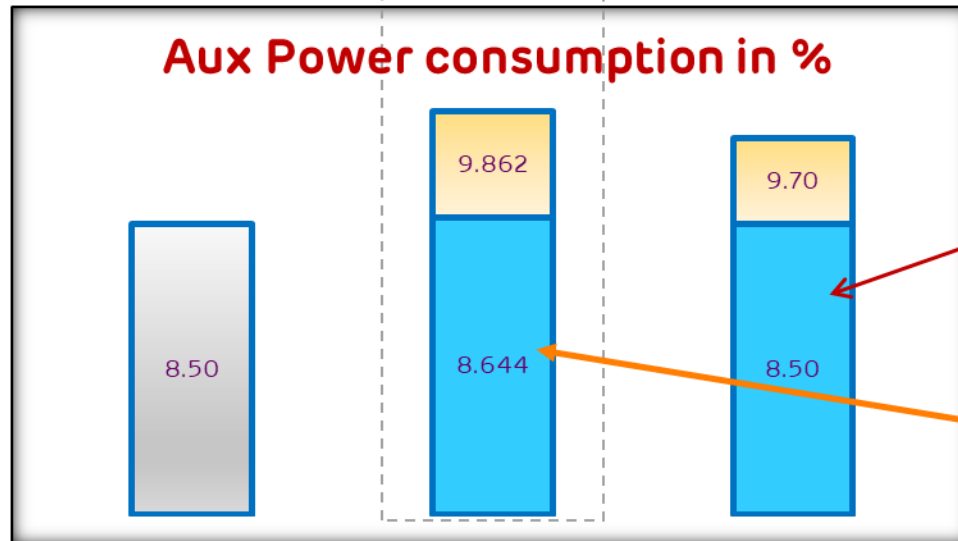
ADTPS FY 22-23



MERC MYT Target	
Heat rate	2430 kcal/kwh
Aux Power	8.5 % + 1.2 % for FGD

National SEC Benchmark

Source- CEA Recommendations for thermal generating stations for tariff period 2019-24



MERC SEC Target for FY Year 2022-23

Without FGD

Backing down by 666 MUs

Benchmarking With Peer Companies for FY 22-23

Description	UoM	ADTPS - Dahanu	GWEL- Warora	Reliance-Rosa	Lanco- Amarkantak	GKE-Kamalanga	RPG-Dhariwal
Availability	%	95.82	89.4	91.55	98.56	93.34	93.22
PLF	%	79.88	82.17	71.5	61.56	76.88	80.47
Loading Factor	%	83.365	91.91	78.1	62.46	82.37	86.32
Aux. Power consumption	%	8.644	7.61	7.64	8.63	7.01	7.71
Sp. Oil consumption	mL/Kwh	0.08	0.08	0.06	0.13	0.08	0.09
DM Water Make-up	%	0.281	0.16	0.5	0.29	0.14	0.33
Heat Rate	Kcal/Kwh	2265	2306	2336	2463	2332	

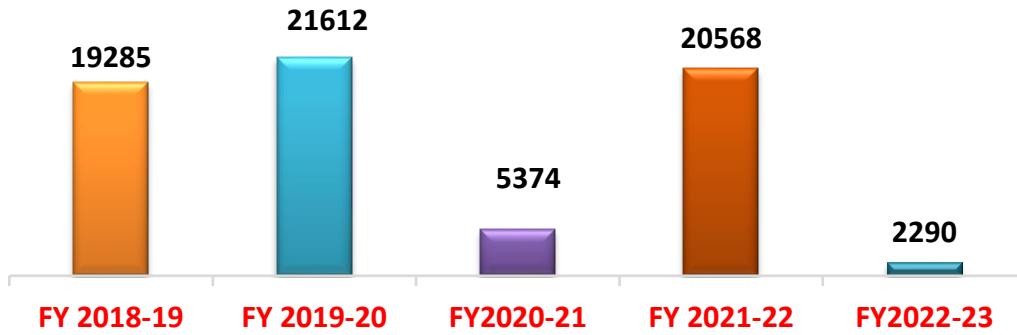
Benchmarking With Group Companies for FY 22-23

Thermal Stations Ranking - YTD			
Rank	Station	State	Achieved Score
1	ADTPS Dahanu	Maharashtra	88.00%
2	APRL Kawai	Rajasthan	83.50%
3	REGL Raigarh	Chhattisgarh	78.00%
4	REL Raipur	Chhattisgarh	70.00%
5	APML Tiroda	Maharashtra	68.00%

Impact of Implementation of Energy Saving Projects

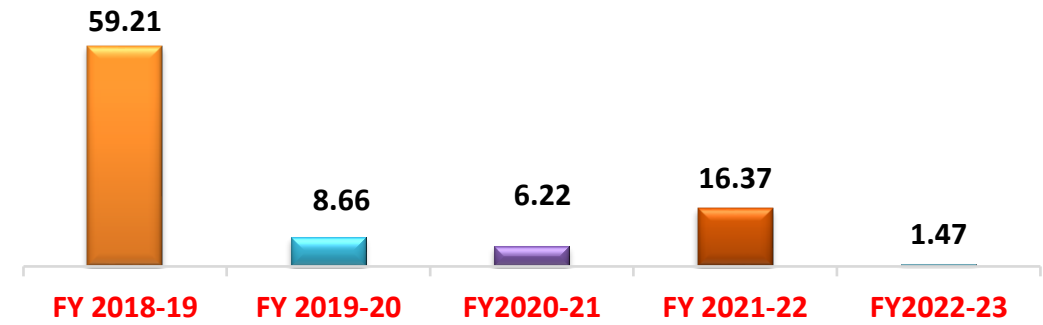
- Summary of investment & Energy Saving

Saving of Coal (MT)



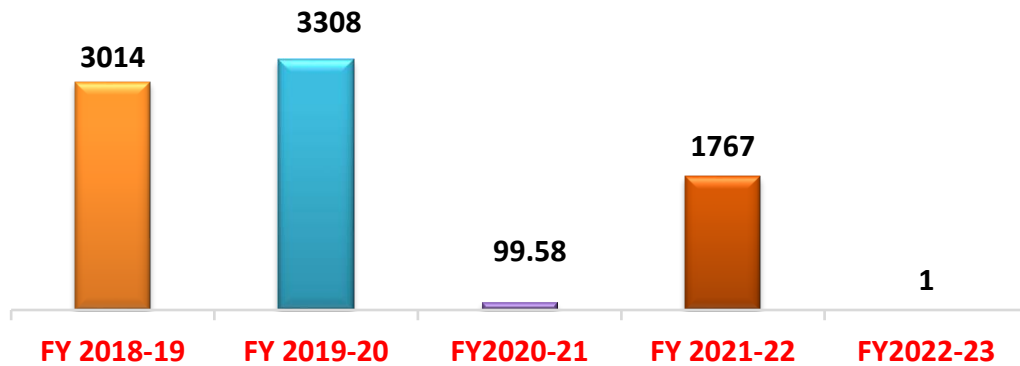
Saving of 70000MT of Coal

Energy Saving in Mus



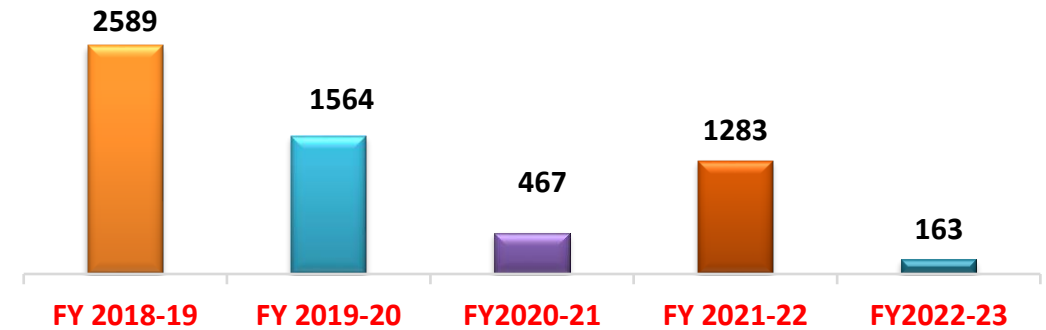
Saving of 92 Mus

Investment in Lacs



Investment of 82 Crs

Saving in Lacs



Saving of 62 Crs

Projects Proposed for Implementation

Description	Cost in Rs Crs
IP Turbine - New casing procurement & rotor refurbishment	27
HP Turbine – New casing procurement & seal refurbishment	3
Refurbishment of BFP system	2.00
Procurement of APH baskets	2.30
Refurbishment of flue gas duct	0.75
Renovation of lighting system	0.70
Energy efficient HT/LT motors	0.40
Energy efficient sump pumps for Conveyor tunnels	0.30
Replacement of LT VFDs	0.30
Total Cost	36.75



Expected Saving in Heat rate by 30-40 Kcal/Kwh and APC by 1000 KW

Energy Saving Projects

FY 2022-23

Energy Saving Project	Savings /Year (Rs. Lacs)	Investments (Rs. Lacs)
Improvement in feed water temperature after attending parting plate leakage in HP heater -6	112	0
Reduction in ID Fan Loading after attending flue gas duct leakage	51	1

FY 2021-22

Energy Saving Project	Savings /Year (Rs. Lacs)	Investments (Rs. Lacs)
Replacement of HP & IP Turbine - OH of LP Turbine	1657.00	1238.65
Reduction in slip loss of BFP 1B hydraulic coupling in U-1	101.00	0.63
De-staging -CEP 1B	3.54	9.0

Energy Saving Projects

FY 2020-21

Energy Saving Project	Savings /Year (Rs. Lacs)	Investments (Rs. Lacs)
HP Heater Performance improvement by attending parting plate leakage	249	0.25
Replacement of BFP Cartridge in BFP 1A	160.60	58
Installation of Energy Efficient Lighting	15.70	30.33

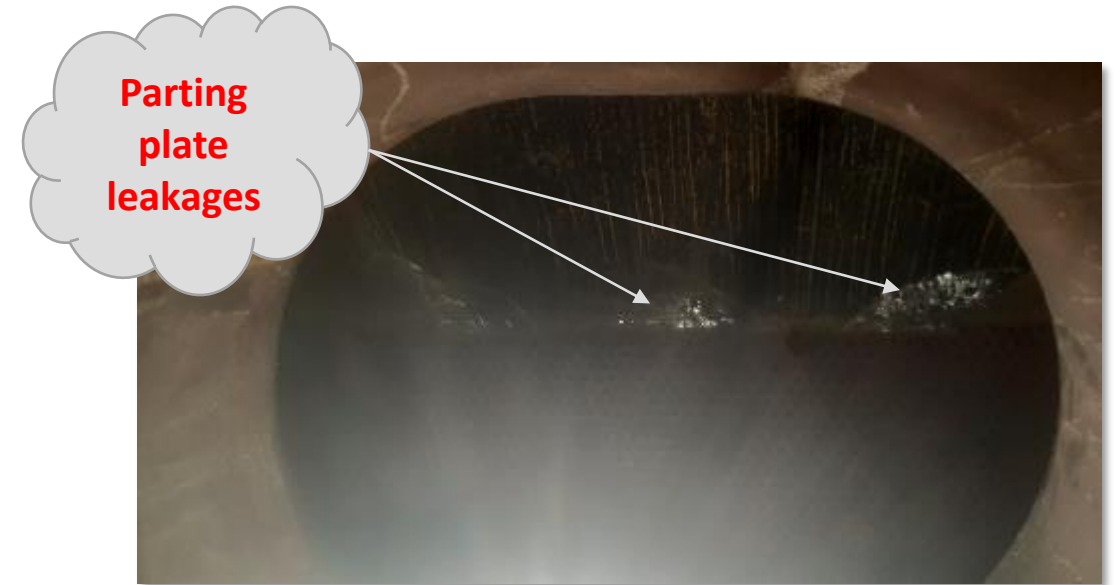
FY 2019-20

Energy Saving Project	Savings /Year (Rs. Lacs)	Investments (Rs. Lacs)
Replacement of IP turbine by new one and Overhauling of LP Turbine.	1007	3212
HP Heater Performance attending of parting plate leakage	75	1
Air Preheater – Seals are upgraded by double seal	265	44
De – staging of impeller Condensate Extraction Pump in Unit-2	1	10
Installation of CEP VFD in Unit-1	33	40
Improvement in Heat rate by jet cleaning of APH basket in unit-2	183	0.75

Opportunity Based Maintenance Practices

Unit-2 – Attending HP Heater 6 parting plate leakage to improve Heat rate

Parameters	UOM	Data
Net Saving in Unit Heat rate	Kcal/Kwh	5.77
Net Saving/Year	Crs/Year	1.122
CO ₂ Reduction	MT	2290



DATE	AVG LOAD	HPH 6 Outlet Temperature
Before shutdown 07/07/2022	245.61	235.9
After shutdown 03/08/2022	245.2	243.3

Opportunity Based Maintenance Practices

Unit -2- Reduction in ID Fan Loading after attending flue gas duct leakage

Parameters	UOM	Data
Net Saving/Year	MUs	1.47
Project Cost	Crs	0.013
Pay Back	Months	0.3
Saving Of coal	MT	341
Coal emission factor	kg CO2	1.269
CO2 Reduction in MT	tCO2	433



Parameters	UOM	Before Outage	After Outage	Reduction in loading
Improvement in ID fan 2A Current	Amps	181	168	13
Improvement in ID fan 2B Current	Amps	181	168	13



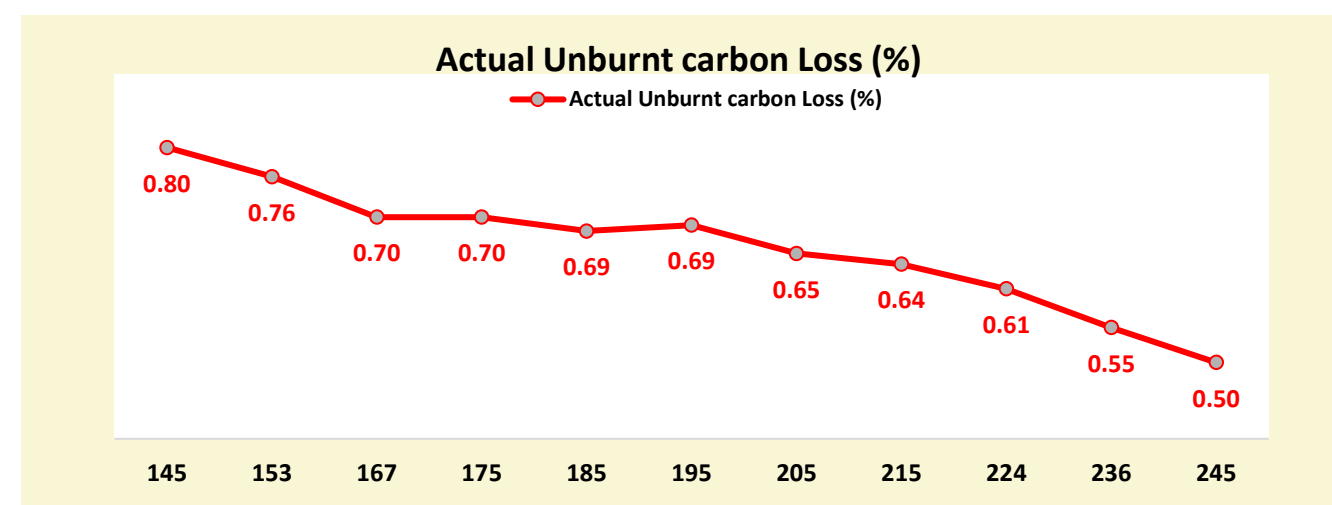
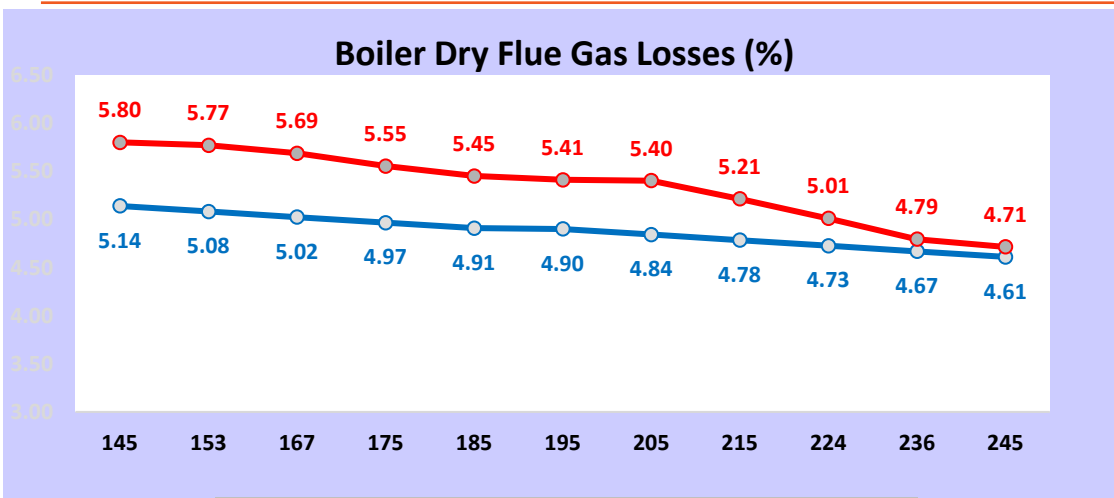
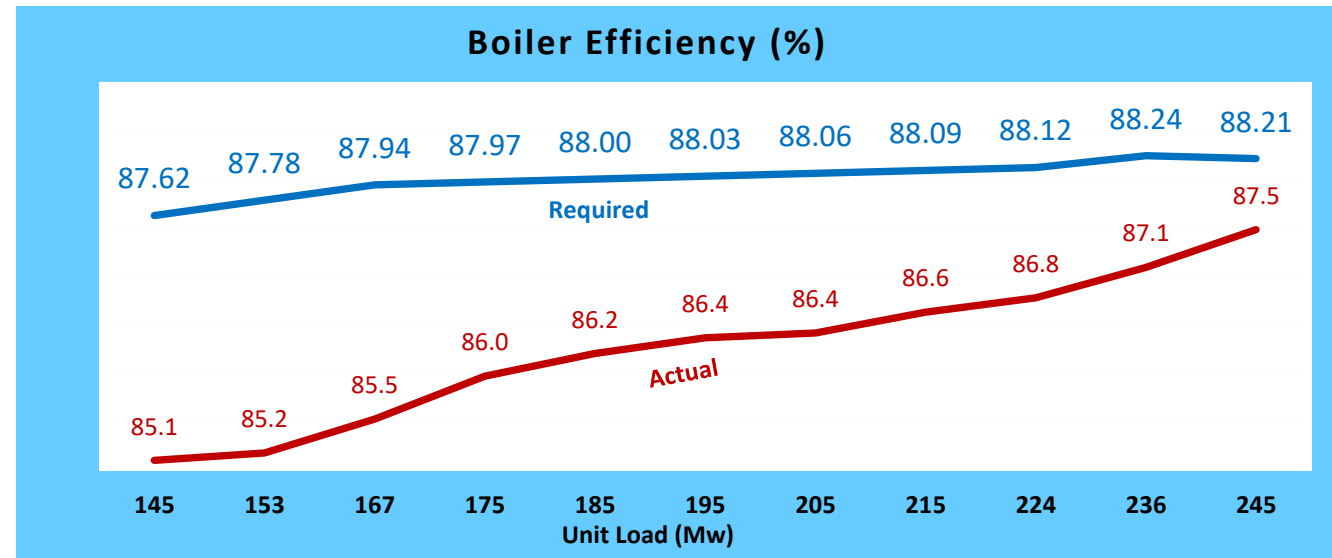
Innovative Projects



Project -1

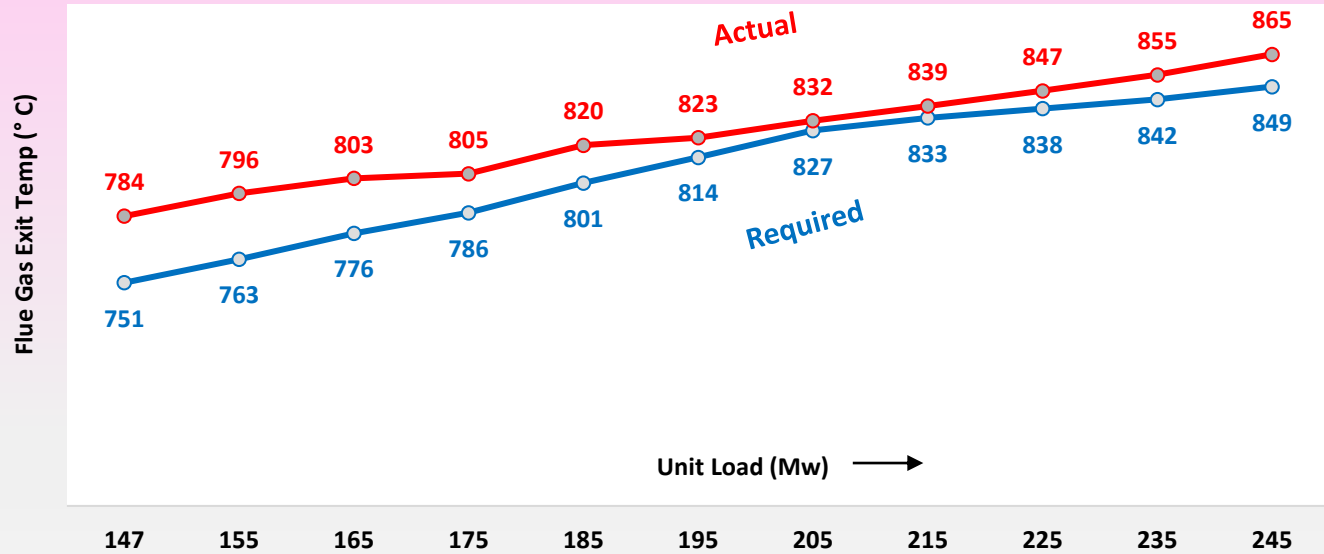
Boiler Efficiency Enhancement during Flexible Operations

Parameters	UOM
Unburnt carbon loss	0.8
Dry Flue gas loss	5.8
Moisture in fuel	2.9
Moisture in burning H2	4.2
Moisture in ambient air	0.3
Loss Due to Radiation/Convection	0.4
Sensible Heat in Fly Ash	0.2
Sensible Heat in Bottom Ash	0.3
Sum	14.9



Project -1

Boiler Efficiency Enhancement during Flexible Operations



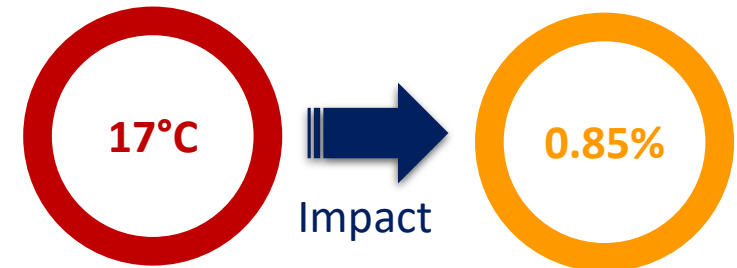
Unit Load (Mw)	FEGT (Before Platen SH) (°C)	
	Required	Actual
147	751	784
155	763	796
165	776	803
175	786	805
185	801	820
195	814	823
205	827	832
215	833	839
225	838	847
235	842	855
245	849	865

Trend Observations

- Avg 17°C deviation in furnace exit Flue gas temp observed leading to boiler efficiency loss of around 0.85 %.
- Precautions at lower loads are required to reduce the FEGT deviations and improve Boiler efficiency.

FEGT Deviation

Boiler Efficiency





Project -1

Boiler Efficiency Enhancement during Flexible Operations



Root cause

Action Plan

Reactive strategy - Grinding Media charging .

SOP/Guidelines prepared for charging the grinding media as per coal mill running Hours based on past data.

No SOP for- Mill outlet temperatures wrt. coal blending ratios.

SOP/Guidelines prepared for mill outlet temp control based on various combinations of coal blending ratios (viz Washed+ imported , Raw and Washed Coal) based on past data

No SOP for coal mill Air Fuel ratio wrt. Load

Mill Operation Strategy is to be made based on Air Fuel Ratio control wrt unit Load.

Lack of awareness regarding uniform mill loading.

Guidelines prepared to all the operation engineers to operate the mill with equal loading

No SOP for Excess air control wrt. Load.

SOP prepared for Excess air control wrt. Load.

No SOP for BT Positions wrt. Load.

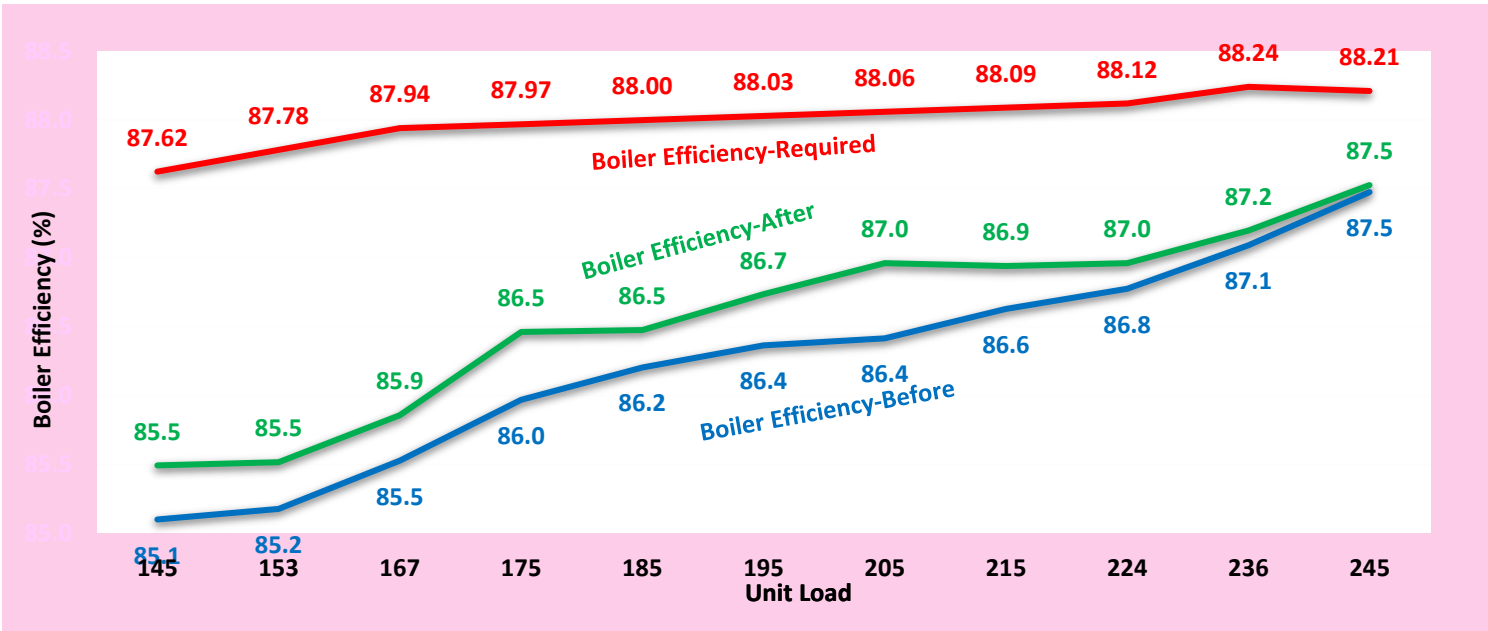
SOP prepared for BT Positions wrt. Load.

No SADC Position feedback as secondary air control is affected

SADC position feedback arrangement made at local to ensure required position of SADCs.

Project -1

Boiler Efficiency Enhancement during Flexible Operations



Unit Load (MW)	Boiler Efficiency (%)		
	Required	Before	After
145	87.62	85.1	85.5
155	87.78	85.2	85.5
165	87.94	85.5	85.9
175	87.97	86.0	86.5
185	88.00	86.2	86.5
195	88.03	86.4	86.7
205	88.06	86.4	87.0
215	88.09	86.6	86.9
225	88.12	86.8	87.0
235	88.24	87.1	87.2
245	88.21	87.5	87.5
Average		86.25	86.56

Overall Average Boiler efficiency has increased from 86.25 % to 86.56%, due to combustion quality enhancement.

Savings

- Improve Boiler Efficiency by 0.31 % - Rs 408 Lacs
- Station APC by 0.1% - Rs 113 Lacs
- Improved ROE - Rs 315 Lacs

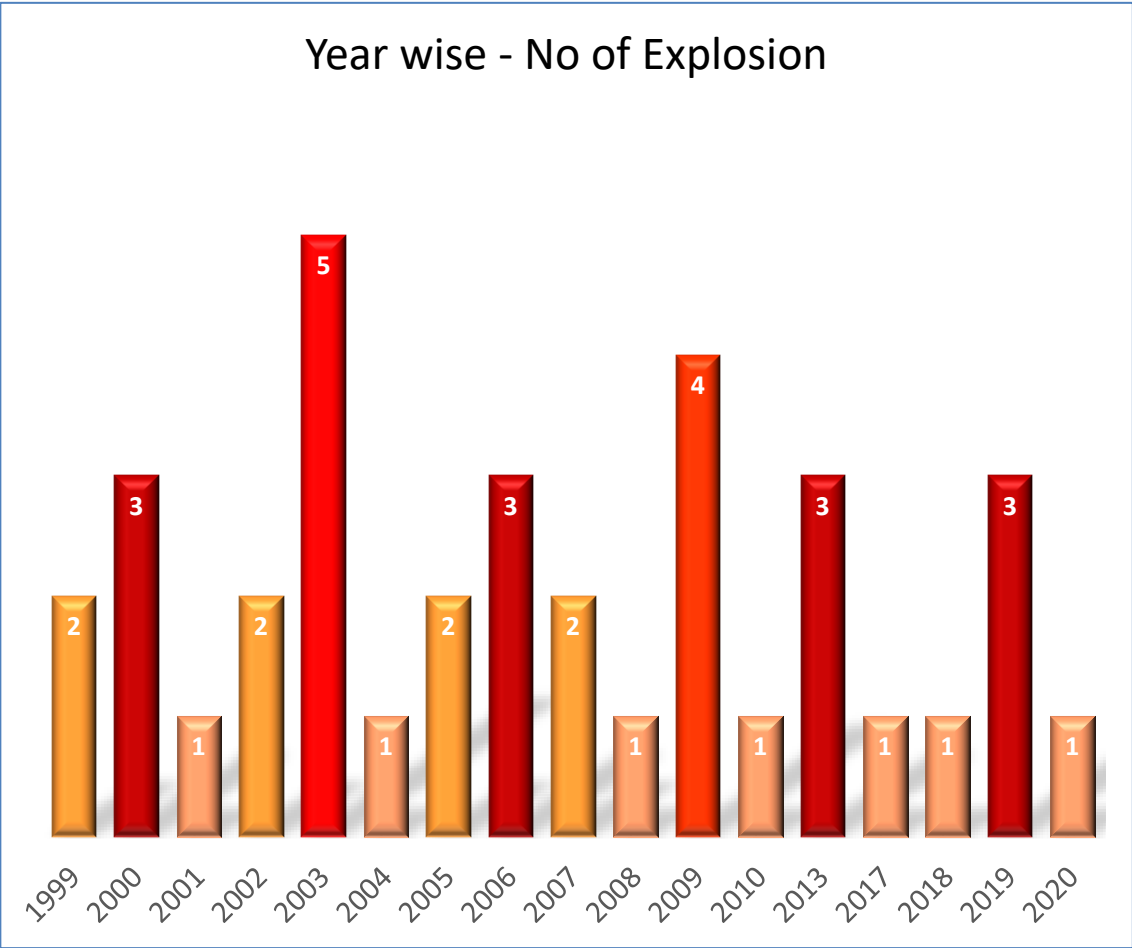
Total Financial Gain
836 Lakhs/Annum
recurring..

Achieved benefits just by changing the operation philosophy without additional Investment.

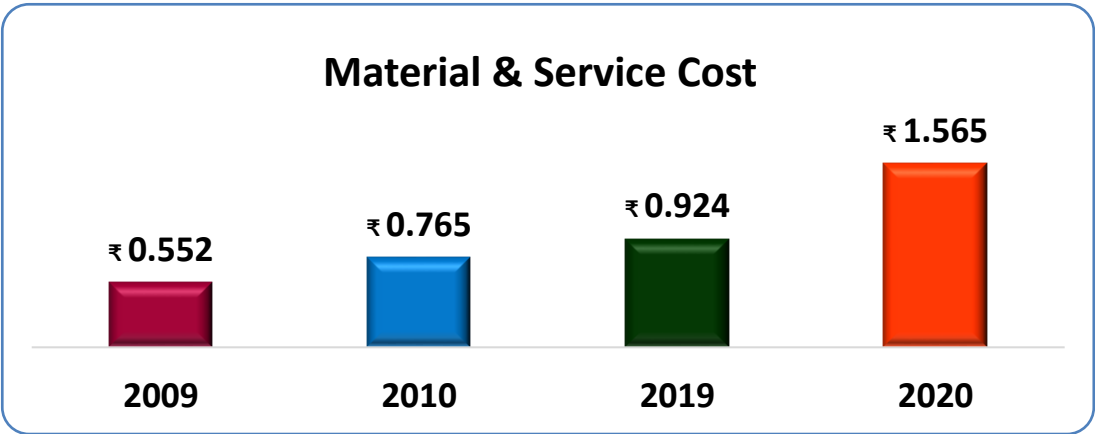
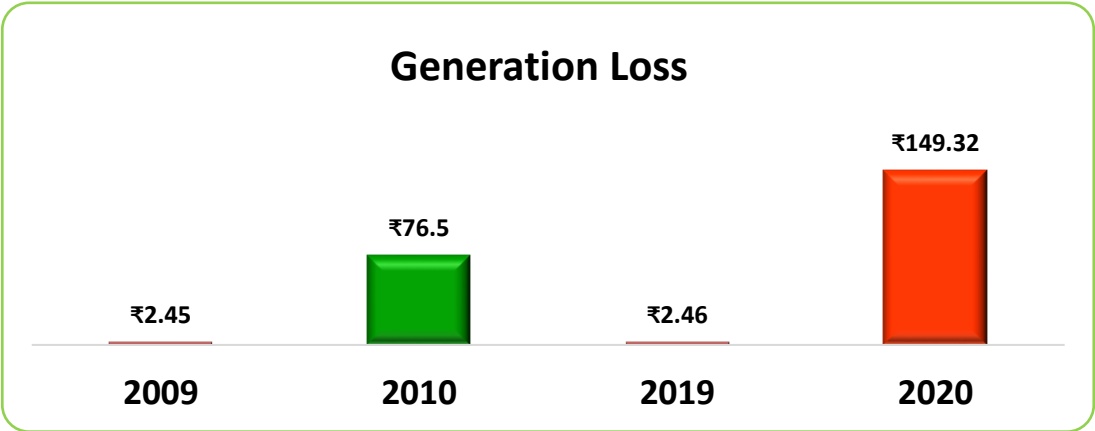
Project -2

Reduction in down time of Coal Mill

Mill Explosion

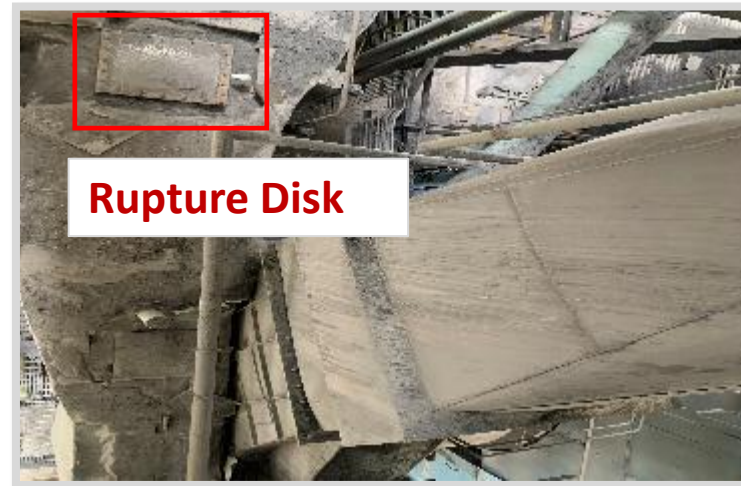


Financial Impact



Project -2

Reduction in down time of Coal Mill



- Overall Average Boiler efficiency has increased from 86.25 % to 86.56%, due to combustion quality enhancement. As per recommendation of QI team explosion vents are installed at inlet primary air duct
- During mill explosion no damage observed in duct & other mill components & rupture disc worked which prevented major damage.
- Mill downtime reduced significantly as rupture disc replacement took @3-4 hrs

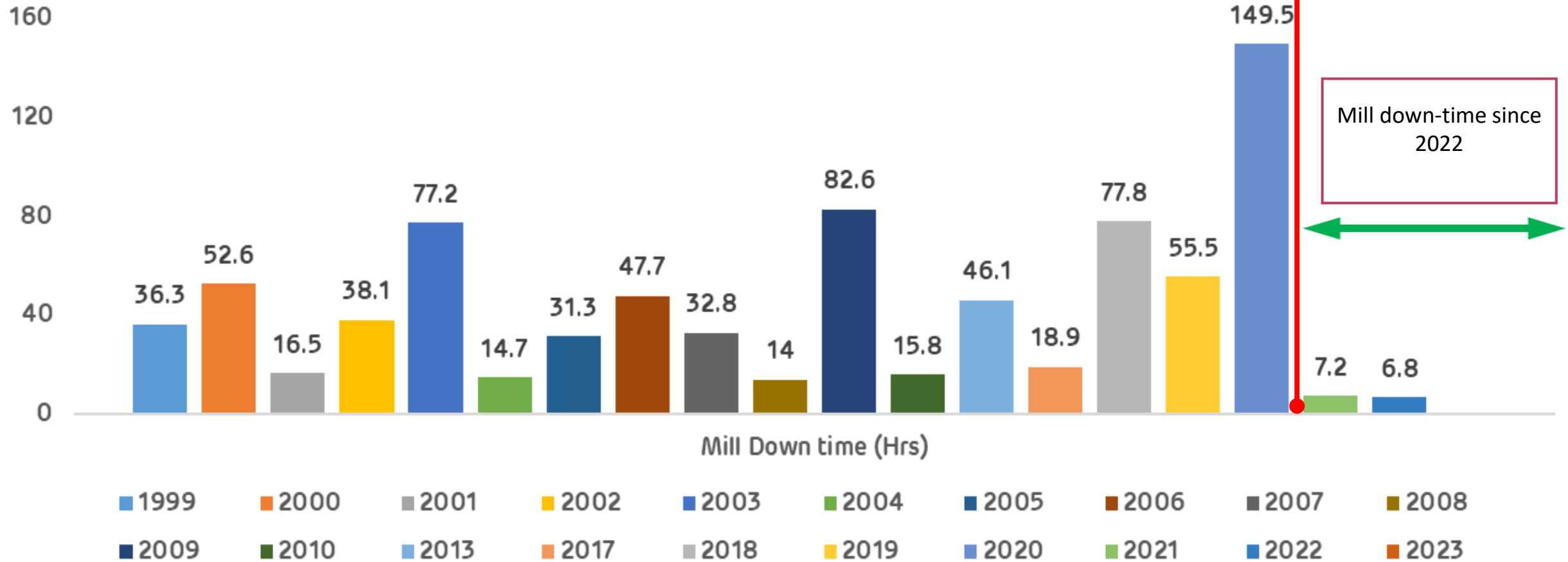
Explosion vent installed at our Tube Mill (BBD4772) -4 NOS per mill

2 sizes of rupture disc (400x400) and (500x500) installed at DE & NDE

Project -2

Reduction in down time of Coal Mill

Coal Mill Downtime (Hrs.)



Problem

Increase in demurrage time due to large size coal boulders of raw coal.

Problem statement

- As imported coal price shoot up, ADTPS forced to switchover to raw coal to maintain low generation cost.
- During unloading of raw coal, Coal Handling Plant (CHP) receives large size of coal boulders which cannot be passed through apron hopper grill (300x300 mm)
- Need to break boulders into small size. Time taken by breaking of coal boulders @ 10 to 15 hrs per rake therefore CHP department cannot unload all the rakes in stipulated time of 07 hours given by Indian railways which results in demurrage(penalty)@ 2.4 Rs Crs charges

Project -3

Reduction in Coal Demurrage cost by 25%

Poking of Raw coal



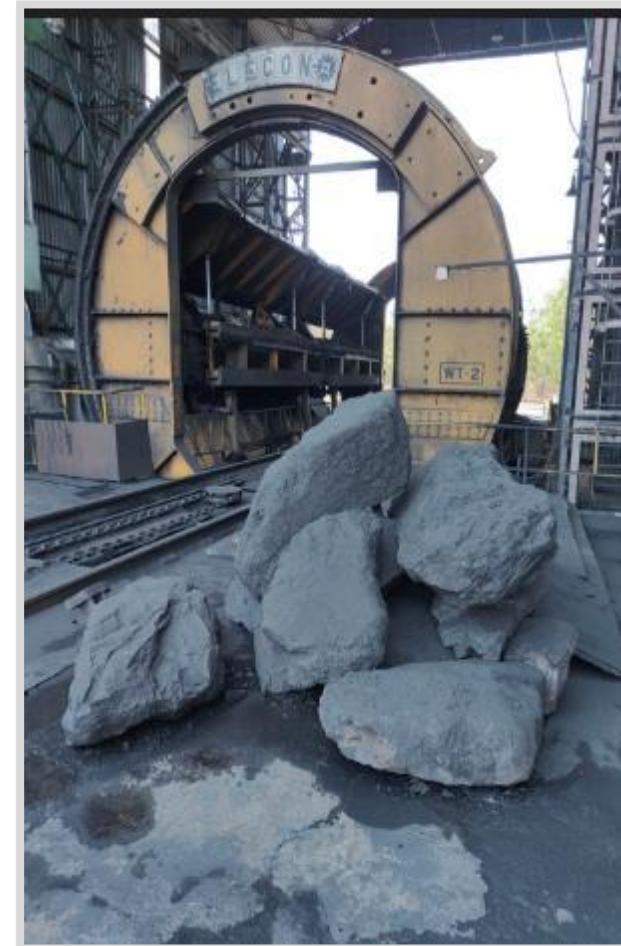
Apron Feeder Grill



Poking of Raw coal



Coal Boulder lifting



Coal Boulders

Project -3

Reduction in Coal Demurrage cost by 25%

Development of Solutions

Dry Blasting

- High Cost
- Dry Ice Shortages

Rejected

Water Jet Cutting Technology

- High Cost of equipment
- Slow cutting Speed

Rejected

Hydraulic Breaker

- Hydraulic systems require intensive and periodic maintenance
- System frequently require parts with a very high degree of precision

Rejected

Pneumatic Hammer

- O&M Cost for compressor
- High Noise (@115 dB)

Rejected

Concrete cutter saw

- High Consumable Cost for chain (Rs 35000 for 10 hr. operation)
- High petrol consumption (200ml for 10 minutes operation)

Rejected

Electric demolition hammer

- Provide more power for breaking the coal boulder
- Less time required to break any size coal boulder (02 min only)

Accepted

Modified Hammer

- No Electric power required.
- Long life & no maintenance cost

Accepted

Project -3

Reduction in Coal Demurrage cost by 25%

Developing solution



Electric Demolition Hammer



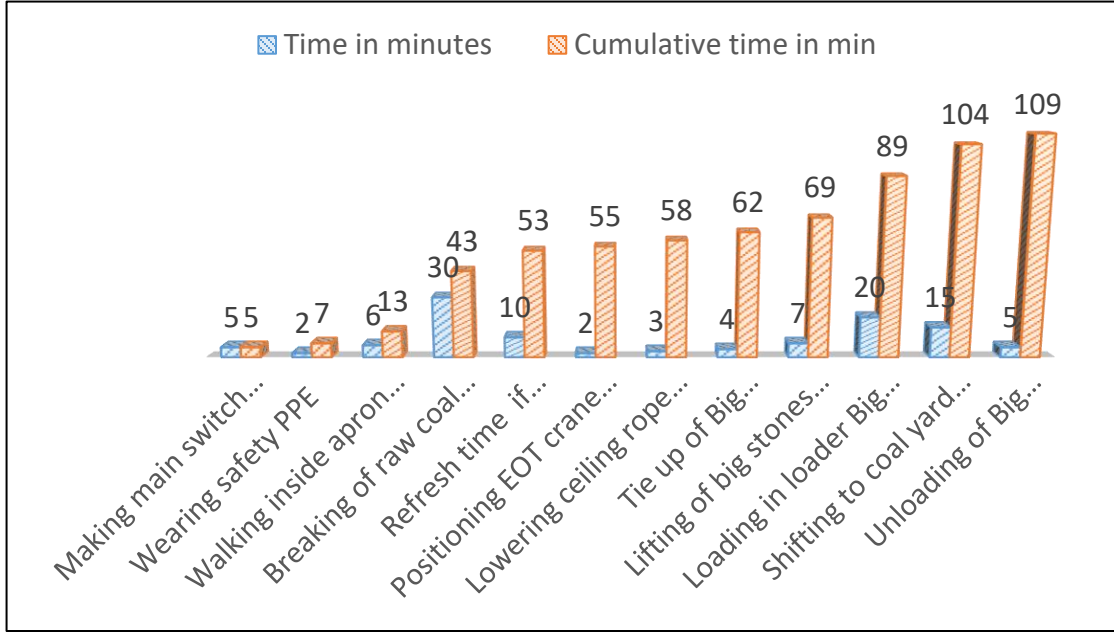
Modified Hammer

Project -3

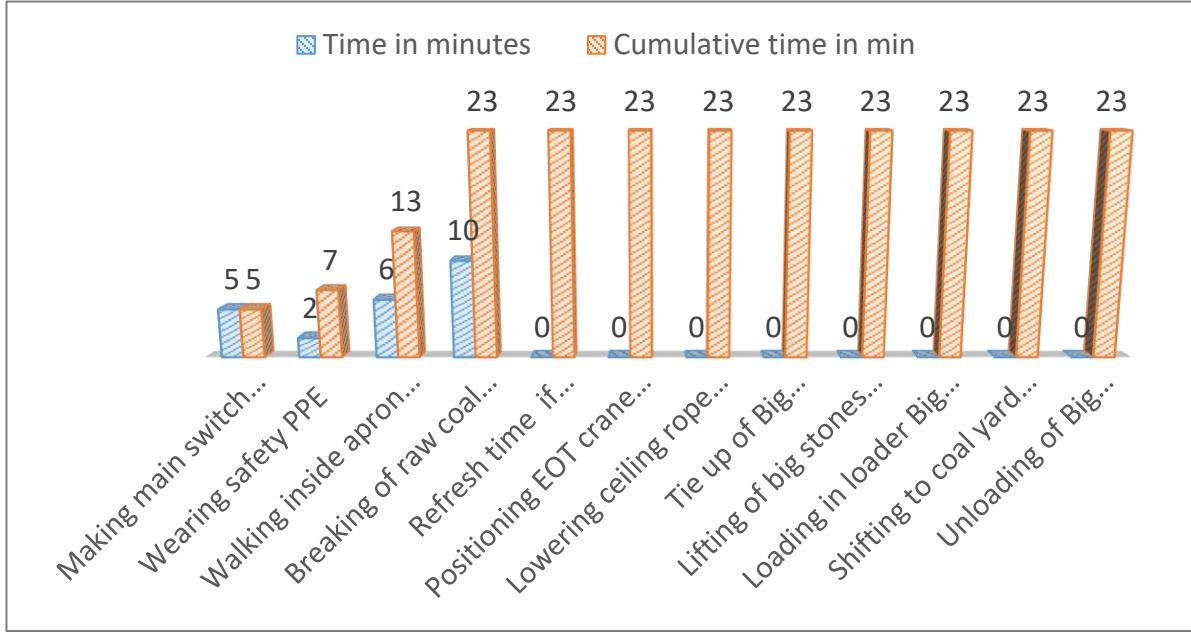
Reduction in Coal Demurrage cost by 25%



Benefits



Conventional Hammer
Average time is taken @ 180 min



Electric demolition hammer
Average time is taken @ 30 min

Demurrage time Reduction by 150 Min/Rake (83% reduction)

Demurrage cost Reduction by 22,500 Rs /Rake

Problem statement

- Persistent overheating of the ECWP motor winding, recorded for 5-6 years, has led to two motor failures. Each failure imposes a 30-day downtime for rewinding and restoration, disrupting the cooling water supply for power plant auxiliaries, necessitating a load reduction and thus posing a possible risk to the daily generation loss of 2 million units by the generator.

Low-cost solutions implemented through internal resources

Sr No	Solution	Implementation Details
1	Baffle plate modification for more air to bottom tubes	Baffle plate modified
2	Provision of additional 03 no of cooling fan to be provided on each motor cooler to increase air flow at top	03 fan installed on each motor

Project -4

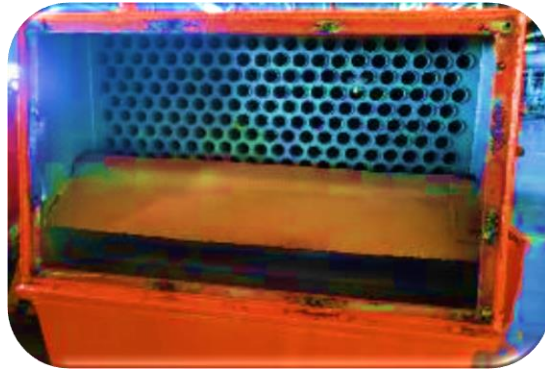
Cooling System Modification for Winding Temperature Reduction

Solutions Implemented

Cooler Assembly



Before Modification



Modification of Baffle Plates

Provision of Cooling Fans for ECW Cooler

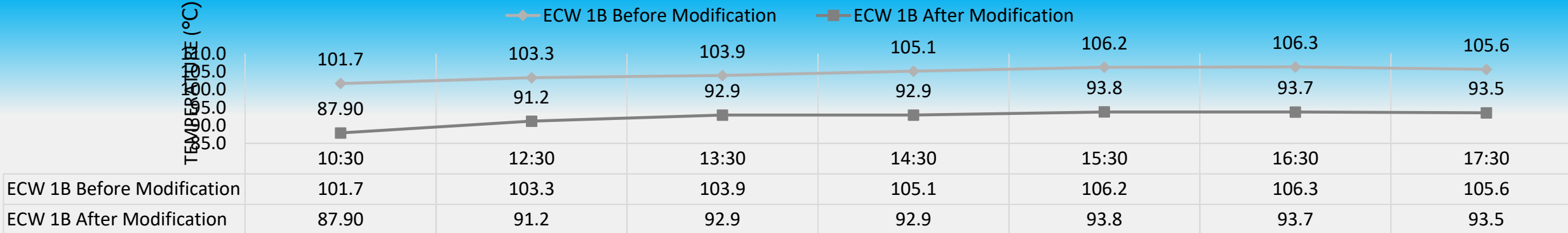


Before Modification



Provision of fan

TEMPERATURE (°C)



TIMING

Project -4

Cooling System Modification for Winding Temperature Reduction



Savings

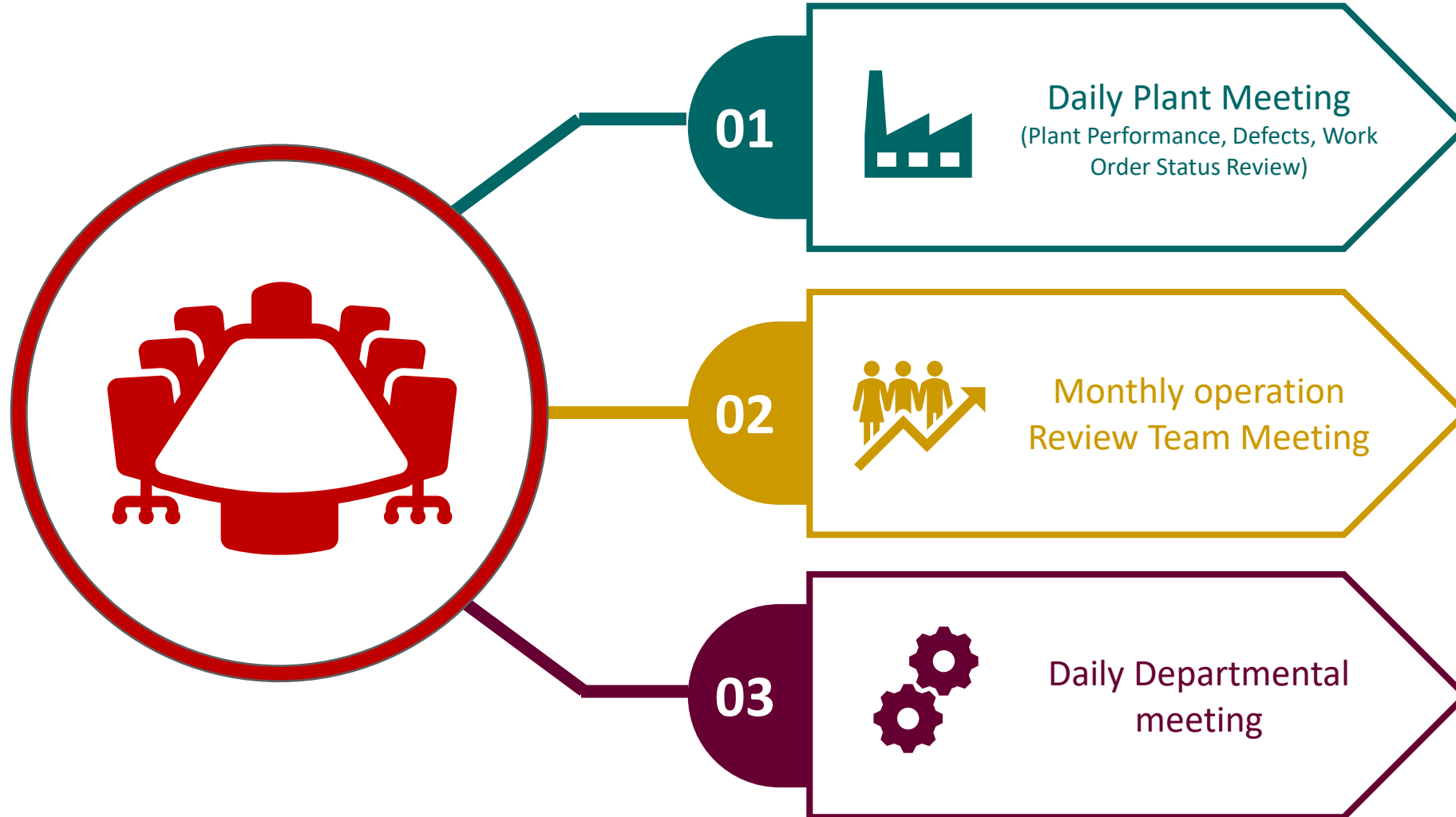
Sr No	Objective & Target Description	Before Implementation	Objective & Target Value	After Implementation
1	Reduced Equipment Non-Availability	300 Hrs.	<100Hrs.	0 Hrs.
2	Reduced Maintenance Cost	2.7 Lac/Annum	< 0.5 Lac/Annum	0.1 Lac
3	Reduction in No of Defects	14 Nos	<5 Nos	0 Nos
4	Reduction in ECW Winding Temperature	120 Deg C	<105 Deg C	95 Deg

Cost Saving

Manpower Cost Saving due to reduction in no of defects: Rs 20,000/-
Material Cost Saving due to reduction in Rewinding cost: Rs 5,00,000/-
Saving due to Elimination of Generator Partial Loading: Rs 15,00,000/-

Total Cost Saving till July-2023: Rs 20,20,000/-

Performance Review



MIS for Performance Monitoring

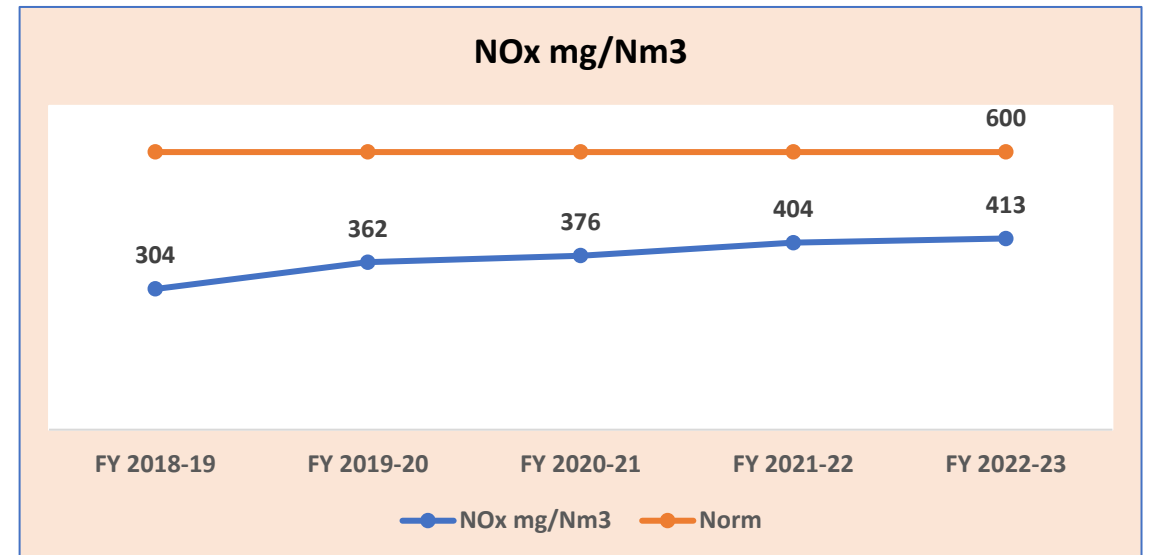
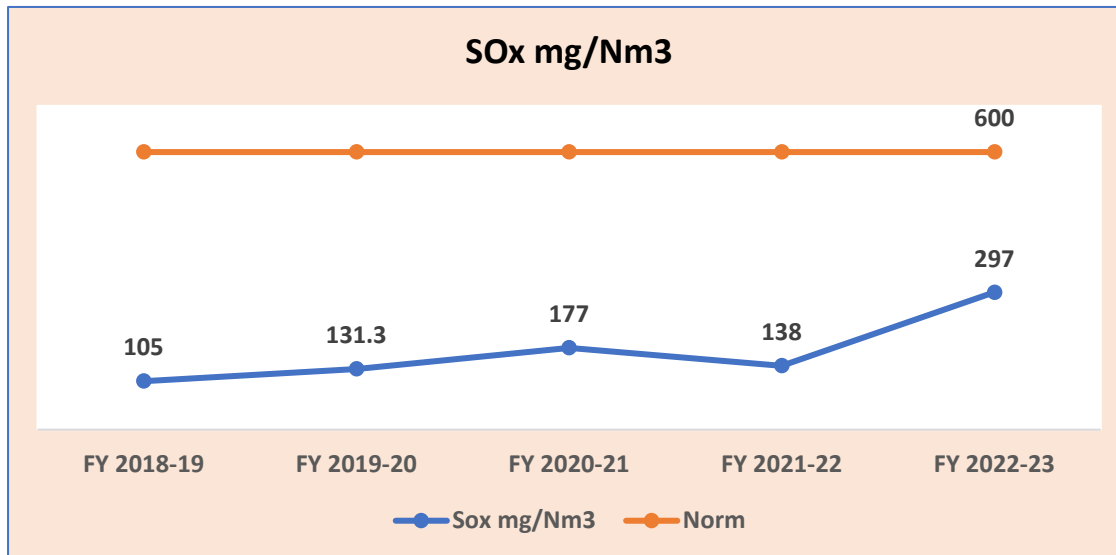
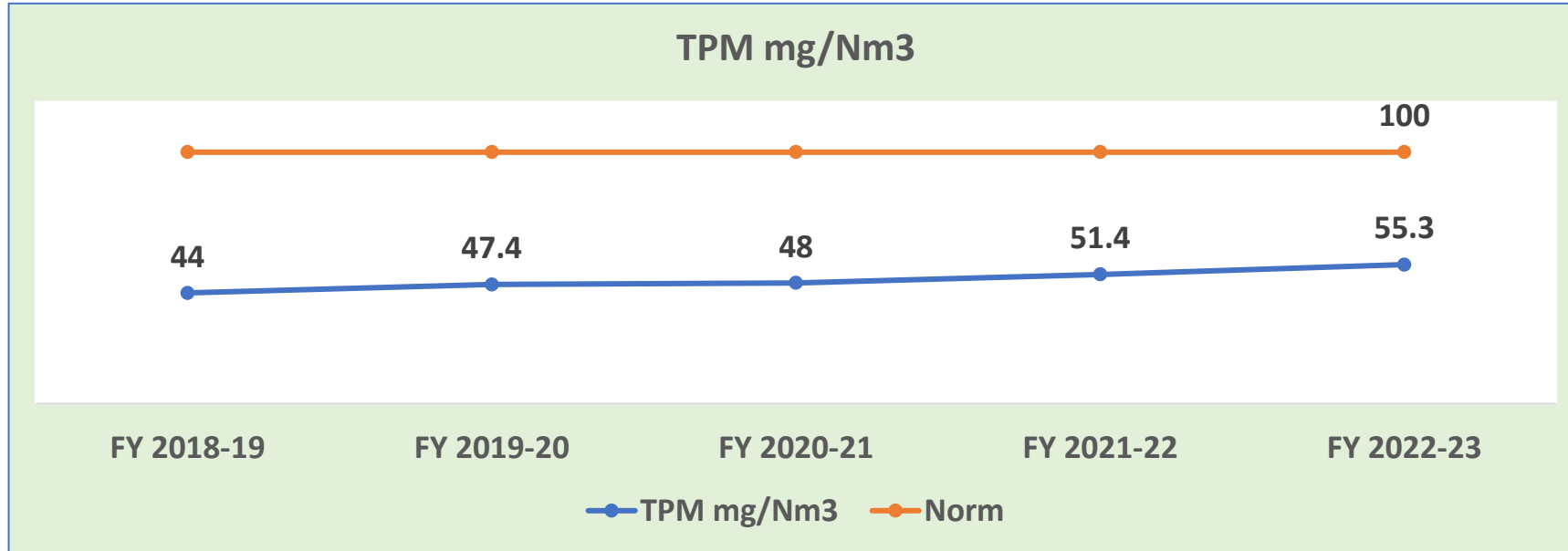




Environment Management



Environment Performance Monitoring:



Ash Management :

It is the first of its kind of system installed in India. In classifiers – mixture of fly ash is separated into fine ash

Dry Evacuation system

2005

2011

To counter day - to - day fly ash demand variation in availability of ash lifting vehicle

300 MT Ash Storage Silo

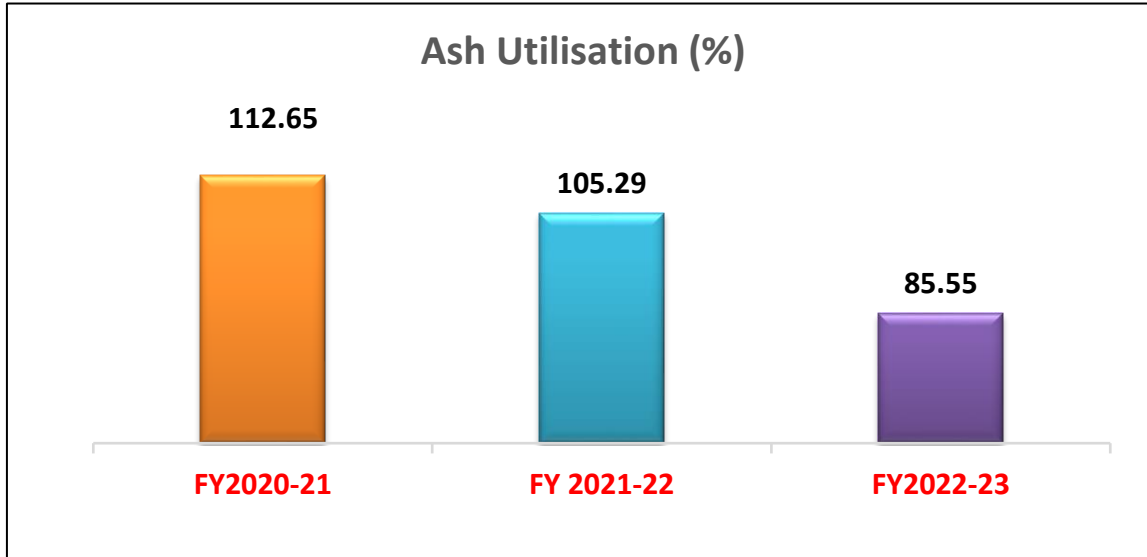
2014-15

Ash Gridding Unit

- First unit being used in the any power plant in Asia for improving coarse ash utilization
- To grind the coarse ash into finer size of less than 45 μm , thus improved total ash utilization

100% ash utilization since FY 2014

Ash Management :



Ash utilisation is in compliance with MoEF & CC Notification

The thermal power plant shall achieve average ash utilization of 100 per cent in a three years cycle. In any year utilization shall not be less than 80%.



Ash Management : Vegetation on Abandon Ash Pond



Vegetation / Plantation is completed on the abandoned Ash Ponds no 1 & 2 on legacy ash.
This has been done as per MoEF CC Fly Ash notification Dec-2021 and its amendment as on Dec-2022.

Ash Management : NABL Accreditation for Ash Testing Laboratory





National Accreditation Board for Testing and Calibration Laboratories
NABL

CERTIFICATE OF ACCREDITATION

DTPS COAL TESTING LABORATORY, ADANI ELECTRICITY MUMBAI LIMITED

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

4TH FLOOR, SERVICE BUILDING, DAHANU THERMAL POWER STATION, DAHANU, MAHARASHTRA, INDIA

in the field of

TESTING


Certificate Number: **TC-6307**

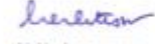
Issue Date: **15/11/2021** Valid Until: **14/11/2023**



This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Identity : Adani Electricity Mumbai Limited

Signed for and on behalf of NABL.




N. Venkateswaran
 Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories
NABL

SCOPE OF ACCREDITATION

Laboratory Name : DTPS COAL TESTING LABORATORY, ADANI ELECTRICITY MUMBAI LIMITED, 4TH FLOOR, SERVICE BUILDING, DAHANU THERMAL POWER STATION, DAHANU, MAHARASHTRA, INDIA

Accreditation Standard : ISO/IEC 17025:2017

Certificate Number : TC-6307 **Page No :** 1 of 1

Validity : 15/11/2021 to 14/11/2023 **Last Amended on :** 31/08/2022

S.No.	Description / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the Techniques / Equipment used
Relevant Facility				
1	CHEMICAL-BUILDING MATERIAL	Fly ash	Foamless by Sieving	IS 1721
2	CHEMICAL-BUILDING MATERIAL	Fly ash	Loss on ignition	IS 1721
3	CHEMICAL-SOLID FUELS	Coal	Ash	IS 1750 (Part I)
4	CHEMICAL-SOLID FUELS	Coal	Total Carbon	IS 1750 (Part I)
5	CHEMICAL-SOLID FUELS	Coal	Gross Calorific Value	IS 1750 (Part II)
6	CHEMICAL-SOLID FUELS	Coal	Moisture in Air Dried Sample	IS 1750 (Part I)
7	CHEMICAL-SOLID FUELS	Coal	Sulphur	IS 1750 (Part III)
8	CHEMICAL-SOLID FUELS	Coal	Total Moisture	IS 1750 (Part I)
9	CHEMICAL-SOLID FUELS	Coal	Intrinsic Water	IS 1750 (Part I)

AEML Sustainability KPIs & Status



AEML adopted Sustainability Linked Targets with following KPI's with financial penalty for non-achievement

KPI 1: Increase Renewable power mix in the overall power purchase

mix

- SPT 1: To Attain at least 30% by FY2023 and 60% of renewable power procurement mix by FY2027

	FY2019 (Baseline)	FY2022	FY2023	FY2024 - Q1
	3.01%	8.12%	30.04%	38.43%
			RE – 3002.41 MU Total – 9995.52 MU	RE – 1147 MU Total – 2986 MU

KPI 2: Reduction in GHG Emission

Intensity (Scope 1 and 2)

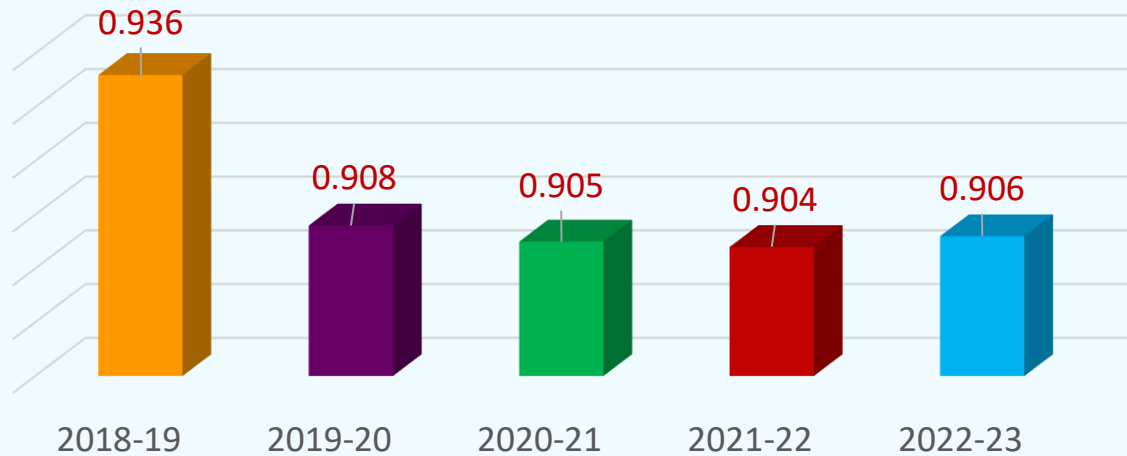
- SPT 2: To Reduce GHG Emission Intensity (Scope 1 and 2) by 40% by FY2025, 50% by FY 2027 and 60% by FY2029, compared with FY2019 (Baseline year)

	FY2019 (Baseline)	FY2020	FY2021	FY2022	FY2023	FY2024 – Q1 (Provisional)
GHG tCO ₂ e	3750069	3370013	3202020	3237826	3310159	845255
EBITDA Rs Cr	1664	1882	2078	2083	2381	521 (Provisional)
Emission Intensity (tCO₂e/ EBITDA in Rs Cr)	2254	1791	1541	1554	1390	1622
Reduction		20.55%	31.63%	31.04%	38.32%	28.03%

ESG Commitments on track through various Measures Taken

ADTPS GHG Emission

tCO₂/Mwh



 **3.2 % Reduction compared with base Year**

- Successfully completed and published AEML GHG Emissions & Renewable Energy Mix Assurance statement.
- Showcase our progress against committed sustainability KPI's.

PAT Cycle

Parameters	UOM	PAT-1	PAT-2
Target SNHR	Kcal/Kwh	2523	2519.42
Achieved SNHR	Kcal/Kwh	2511.71	2495.4
SNHR Gain	Kcal/Kwh	11.29	24.02

Successful completion of PAT-1 & PAT -2 Cycle with gain of 4591 and 8749 Escerts

Renewable Energy

Solar Roof Top Generation	Solar Generation
Admin building roof top solar - MWH	68.88
Vangaon AAQM Roof top - MWH	1.037
Ashagad AAQM Roof top - MWH	1.437
Total	71.36





Best Practices



Safety Initiatives – Video Analytics

Functionalities of Video Analytics

- ❖ Identify & capture the PPE related deviations through AI based application software
- ❖ Alerts immediately send to Monitoring PCs in Safety dept & PCR
- ❖ SMS / WhatsApp alert is be given to safety In-charge
- ❖ Auto Announcement is done in that area



Digitalization

SAP



Digital Logbooks



QR code-based Safety & Environment Data sheet.



Knowledge Management through MS teams



Digital approval portal - Esign



Remote Operation of Stack analyzer moisture removal system



Modular Concept to Reduce Maintenance Downtime



- Use of modular concept that allows the replacement of major assemblies in a minimum amount of time and expenditure (e.g. HP turbine module, CW debris filter, Primary & Secondary fans rotor, Boiler feed pump cartridge, vacuum pump, CW pump)
- Modular Scaffolding for Boiler Overhauling



LEGAL COMPLIANCE

Business Environment

- ❖ ADTPS Operates & complies all applicable laws
- ❖ Compliance through Legatrix Software
- ❖ All internal compliance also ensured through Legatrix

INDIA'S
No. 1
POWER
UTILITY
Rated by Ministry of Power

adani
Electricity



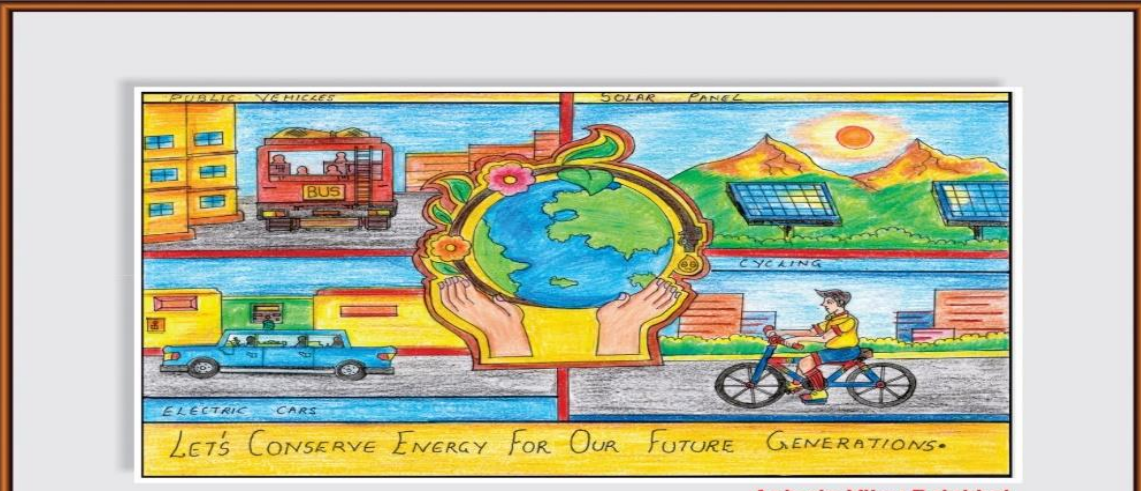
Since 2011

- 1st Plant in the world
- Energy aspects identification
- Operating limits & defined controls
- Realtime monitoring - ELAN system
- Building Energy Consumption Reduction by 25%
- Energy Audits by Accredited Energy Auditors
- BEE Certified Energy Auditors – 19 Nos

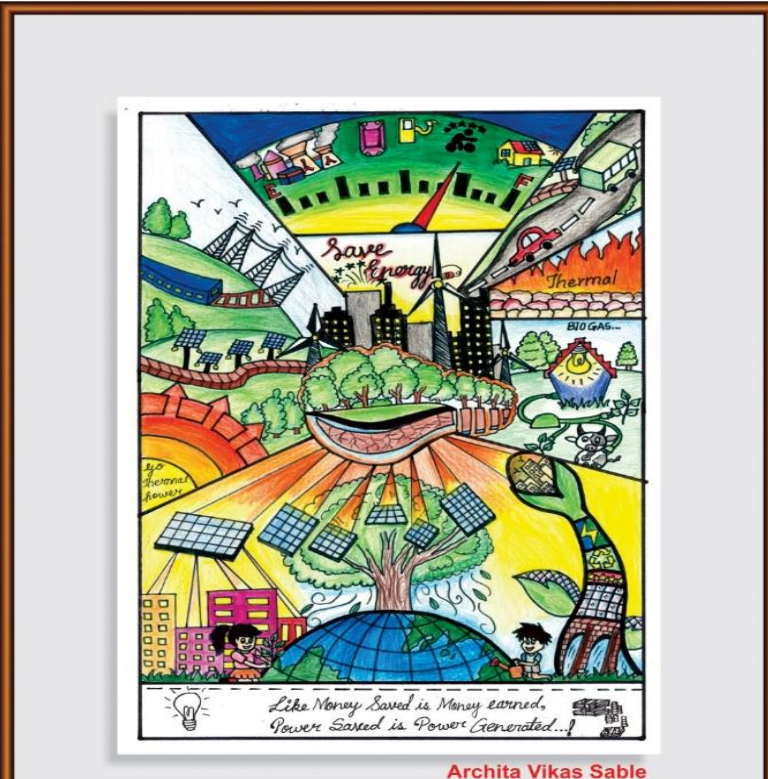
Celebration of Energy Conservation Week



EC Oath & Tree Plantation by Children



Drawing & Quiz Competition for Colony Children



Archita Vikas Sable

Celebration of Energy Conservation Week



Biodiversity Study by CII

- This is the three-season study carried out for biodiversity. Study was carried out from Sep 2021 to Aug 2022
- ADTPS recorded rich faunal and floral diversity and a score of 66/100 awarded
- 225 floral species and 144 faunal species recorded in ADTPS
- 25 migratory birds including flamingoes observed





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**HIGH DENSITY
PLANTATION -
Miyawaki
Plantation
Technique**



ISO 46001 CERTIFICATION

WATER-EFFICIENCY MANAGEMENT SYSTEMS

- ❖ Mapping of all usage of Water
- ❖ Defined limits & controls
- ❖ Metering
- ❖ FY Target - Reduction of 10% from Baseline

SAY NO TO SINGLE USE



SuP free Installation - Initiative
Certified Since 2021

- SuP Items are banned
- Identified 18 SuP items eliminated
- Balance will be eliminated by March'23
- Awareness sessions are conducted for employees, vendors, contract workers & colony residents

SuP free Installation - Initiative

- ❖ Recarpeting of bitumen road by use of Plastic & Polythene
- ❖ Ban on Plastic & Polythene since 2013
- ❖ Use of Biodegradable bags for saplings
- ❖ Vendors & contractors are also encouraged to follow SuP norms



Zero Waste To Landfill

Certified Since 2021

- ❖ Monitoring & segregation of waste generated
- ❖ Repair, Reuse & Recycle
- ❖ Diversion Ratio -99.96%
- ❖ Waste Disposal through Authorized Re-users





- ❖ Ash Utilisation more than 100% since 2014
- ❖ Condition based oil replacement
- ❖ Recycling of Oil
- ❖ Composting of Canteen, Domestic & Horticulture Waste and use as manure
- ❖ Use of reusable insulation pads for turbine

AWARDS & RECOGNITION

Recipient of More Than 140 National &
International Prestigious Awards



Awards



- ❖ ADTPS has received “Excellent Energy Efficient Unit” award in "22nd National Award for Excellence in Energy Management 2021" from CII
- ❖ ADTPS also declared as “National Energy Leader” for achieving Excellent Energy Efficient Unit Award consecutively for 3 years

Awards



ADTPS Received 1st Prize in Best Boiler User-2022 (Consecutive 2nd Year) by GOM Labour Department

- ❖ Ramkrishna Bajaj Award for Business Excellence – 2009
- ❖ Ramkrishna Bajaj Performance Excellence Award - 2008 & 2019
 - ❖ Vasundhara Purskar by MPCB – 2012 & 2018
 - ❖ Rajiv Gandhi National Environmental Award 2008-09
- ❖ National Awards for Meritorious Performance in Power sector in 2005, 2006-07, 2009-10 & 2010-11 by MOP
 - ❖ International Asia Pacific Quality Award 2010 cycle



We're listening

