

Petition for New Conveying System and Construction of Space frame structure raw coal storage shed at BTPS

(Form I)

BEFORE THE HONOURABLE

TELANGANA ELECTRICITY REGULATORY COMMISSION

TGERC HYDERABAD INWARD

13 AUG 2025

Sign

Vidyut Niyantran Bhavan, G.T.S. Colony, Kalyan Nagar, Hyderabad 500 045

IN THE MATTER OF:

Filing of the petition for additional capital cost towards New Conveying System and Construction of Space frame structure raw coal storage shed at BTPS under section 62/64 and 86 (1) (a) of the Electricity Act, 2003 read with Telangana Electricity Regulatory Commission (Multi Year Tariff) Regulation No. 2 of 2023.

AND IN THE MATTER OF:

Telangana Power Generation Corporation Limited,

Vidyut Soudha, Hyderabad – 500082.

... Applicant/Petitioner

AND

1. Southern Power Distribution Company of Telangana Ltd. (TGSPDCL), #6-1-50, Corporate office, Mint Compound, Hyderabad – 500 063.
2. Northern Power Distribution Company of Telangana Ltd. (TGNPDCL), H.No.2-5-31/2, Corporate Office, Vidyut Bhavan, Nakkalagutta, Hanmakonda, Warangal – 506001.

..... Respondents

Filing of the petition for additional capital cost towards New Conveying System and Construction of Space frame structure raw coal storage shed at BTPS under section 62/64 and 86 (1) (a) of the Electricity Act, 2003 read with Telangana Electricity Regulatory Commission (Multi Year Tariff) Regulation No. 2 of 2023.

1. Telangana Power Generation Corporation Limited (hereinafter referred to as "TGGENCO" or as the "Applicant") was established as a company registered

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under the Companies Act 2013, on 19th May 2014 upon coming into force of the Andhra Pradesh Reorganization Act, 2014 with effect from 2nd June 2014.

2. Hon'ble Commission vide notification dated 30.12.2023 has issued TGERC Regulation No. 2 of 2023 viz., Telangana Electricity Regulatory Commission (Multi Year Tariff) Regulation, 2023 (hereinafter referred to as "TGERC Regulation No. 2 of 2023").
3. It is to submit that, TGGENCO has proposed New Conveying System and Construction of Space frame structure raw coal storage shed at BTPS in Multiyear Tariff petition filed before Hon'ble TGERC for the Control Period (FY: 2024-25 to FY: 2028-29) .
4. The Hon'ble Commission in the Order, Dated.28.10.2024 stated that the proposed work was not supported by the documentary evidence and in the light of the limited information available to the Commission, it considered the additional capitalization as approved in the Capital Investment Plan and Business Plan for FY: 2024-25 to FY: 2028-29 of Order, Dt. 29.12.2023 and the Additional Capital cost towards subject work was not approved.
5. In this regard, the technical justification and cost benefit analysis report prepared by an independent Agency i.e. M/s. TCE, Ltd, Bangalore is herewith enclosed as Annexure-A.

6. Details of Proposal

6.1) The brief details of the report is mentioned below.

- a) Bhadradri Thermal power station (4X270MW) was established with 4 units of 270 MW each. It is situated in the Ramanujavaram village near Manuguru in the Bhadradri Kothagudem district of Telangana. COD of unit-1, unit-2, unit-3 & unit-4 conducted on 05.06.2020, 07.12.2020, 26.03.2021 & 09.01.2022 respectively.
- b) The coal is being transported from Manuguru open cast mines to BTPS by the trucks only as the railway track and marshalling yard works still not completed. Alternative arrangement at wagon tippler grid and Track Hopper has been made to feed the coal received by

trucks to the unit bunkers. Additional contingency arrangement has also been made to meet the coal requirement for all the four units by installing & commissioning of Two (2) numbers of chain conveyors with capacity of 600T.

6.2) NEED AND JUSTIFICATION OF THE PROPOSAL

- a) Presently there is no raw coal storage shed in BTPS. Considerable generation loss has been occurred during the operation of units from 2021-22 to 2024-25 due to the receipt of wet coal during monsoon season.
- b) The coal supplied from OC mines by trucks in the BTPS plant is very much wet during the monsoon period. Coal is feeding to the bunkers through the conveying system. CHP equipment are originally designed only for feeding the dry coal. In view of wet coal being fed during monsoon, Crusher jam, chute jam, belt snapping and equipment damages are occurring frequently. Due to these frequent interruption in coal feeding, considerable generation loss is being incurred.
- c) A raw coal storage shed that can accommodate at least 10 days coal stock (i.e. 1.0 lakh MT) was proposed to store the raw coal near chain conveyors by diverting the raw coal before the existing crusher house to avoid the generation loss due to the wet coal.

7. JUSTIFICATION ON NECESSITY OF RAW COAL STORAGE SHED

7.1 Reduced Dust Emissions:

The covered coal shed reduces the dust emissions in the air and improves air quality. It also minimizes health risks for workers and surrounding communities.

7.2 Storing of Excess Coal:

Excess coal can be stored in the raw coal storage shed, when it is received from SCCL.

7.3 Less Dozer Movement:

Dozing activities are very difficult to feed the wet coal at chain conveyor during the rainy season. If the raw coal storage shed is constructed, the coal will remain in dry condition and dozer activities would be easier. Moreover, coal heap along the stockpile will be developed by the travelling tripper. So, the dozer movement will be less during the operation. So, operation cost for Dozer movement will be less.

8. CONCLUSIONS AND RECOMMENDATIONS

- a. Coal storage shed is being used by TGGENCO and other power company in their power plants to minimize the generation loss.
 - b. There is rapid and continuous rainfall during the monsoon season and wet coal from the mines directly entered to the BTPS by trucks. This wet coal causes frequent tripping and increases the generation loss.
 - c. The analysis data clearly indicate that generation loss during the rainy season is huge due to wet coal in BTPS. Whereas the generation loss is comparatively less in KTPS as coal storage shed is being used in KTPS.
 - d. As per the cost analysis, the generation loss cost due to wet coal and excess oil consumption is above Rs. 300 cr for the period of 2021-2025.
 - e. Average generation loss per year is approx. Rs. 42.84 Cr. the construction cost of new conveying system along with raw coal storage shed would be recovered with-in 4 years from the date of operation and after that it will have cost benefit for the BTPS plant.
9. Hon'ble Commission has approved vide Table No.4.6 of Mid-Term Review Order, dated. 23.03.2023 for Rs. 138.76 Cr. and Rs. 1466.57 Cr. under the Common Works E&M and Civil other than BHEL respectively. The total estimated cost of the present proposal is of Rs.135.87 Cr. will be met by re-appropriating the common works of E&M and civil works other than BHEL of Rs.70 Cr. and 65.87 Cr. respectively.
10. It is to submit that, the last Unit of the BTPS was commissioned on Dt. 09.01.2022, as per the TGERC Regulation 1 of 2019, the cut-off date is 31.03.2025. In accordance with the Clause No. 22.3 of TGERC Regulation 2

Petition for New Conveying System and Construction of Space frame structure raw coal storage shed at BTPS

of 2023, the capital expenditure, in respect of existing generating Station incurred or projected to be incurred beyond the original scope, may be admitted by the Commission subject to prudence check.

11. Prayer

For the above reasons and for such other and/or further reasons and grounds as may be urged at the time of hearing, the Applicant prays that the Hon'ble Commission may be pleased to

- a. Accept and take on record the Petition for **additional capital cost towards New Conveying System and Construction of Space frame structure raw coal storage shed at BTPS under section 62/64 and 86 (1) (a) of the Electricity Act, 2003 read with Clause No. 22 of Telangana Electricity Regulatory Commission (Multi Year Tariff) Regulation No. 2 of 2023;**
- b. Approve the Additional Capital Cost of Rs.135.87 Cr. proposed to be incurred towards New Conveying System and Construction of Space frame structure raw coal storage shed at BTPS;
- c. To grant suitable opportunity to TGGENCO within reasonable time frame to file additional material information, if required;
- d. Condone any error/ omission and give opportunity to rectify the same;
- e. To pass such order, as the Hon'ble Commission may deem fit and proper in the facts and circumstances of the case.

TELANGANA POWER GENERATION CORPORATION LIMITED

Through

Hyderabad,

Dated:07-08-2025.

(APPLICANT)

Signature of the applicant

Chief Engineer
Coal & Commercial
TGGENCO, V.S. Hyderabad-82.

Petition for New Conveying System and Construction of Space frame structure raw coal storage shed at BTPS

(Form II)

BEFORE THE HONOURABLE

TELANGANA ELECTRICITY REGULATORY COMMISSION

At Its Office at Vidyut Niyantran Bhavan, G.T.S. Colony, Kalyan Nagar, Hyderabad 500 045

Filing No. ____/2025

Case No. ____/2025

IN THE MATTER OF:

Filing of the petition for additional capital cost towards New Conveying System and Construction of Space frame structure raw coal storage shed at BTPS under section 62/64 and 86 (1) (a) of the Electricity Act, 2003 read with Telangana Electricity Regulatory Commission (Multi Year Tariff) Regulation No. 2 of 2023.

AND IN THE MATTER OF:

Telangana Power Generation Corporation Limited,

Vidyut Soudha, Hyderabad – 500082.

... Applicant/Petitioner

AND

1. **Southern Power Distribution Company of Telangana Ltd. (TGSPDCL),**
#6-1-50, Corporate office, Mint Compound, Hyderabad – 500 063.
2. **Northern Power Distribution Company of Telangana Ltd. (TGNPDCL),**
H.No.2-5-31/2, Corporate Office, Vidyut Bhavan, Nakkalagutta, Hanmakonda,
Warangal – 506001

..... Respondents.

Affidavit verifying the Petition

Filing of the petition for additional capital cost towards New Conveying System and Construction of Space frame structure raw coal storage shed at BTPS under section 62/64 and 86 (1) (a) of the Electricity Act, 2003 read with Telangana Electricity Regulatory Commission (Multi Year Tariff) Regulation No. 2 of 2023.

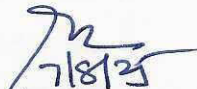
Petition for New Conveying System and Construction of Space frame structure raw coal storage shed at BTPS

I, Chalicheemala Jeeva Kumar, son of Sri C. Venugopal Naidu, aged about 60 years working at Telangana Power Generation Corporation Ltd., do solemnly affirm and say as follows:

- a) I am working as the Chief Engineer, Coal & Commercial in Telangana Power Generation Corporation Ltd., being a company in the business of generating electricity in state of Telangana. I am competent and duly authorized by Telangana Power Generation Corporation Ltd., to affirm, swear, execute and file this affidavit in the present proceedings.
- b) I have read and understood the contents of the accompanying **the petition for additional capital cost towards New Conveying System and Construction of Space frame structure raw coal storage shed at BTPS under section 62/64 and 86 (1) (a) of the Electricity Act, 2003 read with Telangana Electricity Regulatory Commission (Multi Year Tariff) Regulation No. 2 of 2023.**
- c) statements made in paragraphs of the petition accompanying affidavit now shown to me true to the best of my knowledge derived from the official records made available to me and are based on information and advice received which I believe to be true and correct.

VERIFICATION:

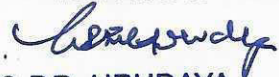
I, the above-named Deponent solemnly affirm at Hyderabad on this 07 Day of August, 2025 that the contents of the above affidavit are true to my knowledge, no part of it is false and nothing material has been concealed there from.


7/8/25
Deponent
Chief Engineer
Coal & Commercial
TGGENCO, V.S. Hyderabad-82.

Solemnly affirmed and signed before me at Hyderabad
On this 07 August, 2025


7/8/25
Deponent
Chief Engineer
Coal & Commercial
TGGENCO, V.S. Hyderabad-82.

ATTESTED


G.P.R. HRUDAYA
Company Secretary
TGGENCO, Vidyut Soudha,
HYDERABAD - 500 082

Appendix 1: Tariff Filing Forms (Generation)

<Name of the Generating Entity>
 <Name of the Generating Station>
 Tariff Filing Formats - Generation
 Checklist

S. No.	Form	Title	Tick
1	Form 1	Summary Sheet	
2	Form 2	Operation and Maintenance Expenses	
3	Form 2.1	Employee Expenses	
4	Form 2.2	Administration & General Expenses	
5	Form 2.3	Repair & Maintenance Expenses	
6	Form 3	Summary of Capital Expenditure and Capitalisation	✓
7	Form 3.1	Statement of Additional Capitalisation after COD	✓
8	Form 3.2	Financing of Additional Capitalisation	✓
9	Form 4	Fixed Assets & Depreciation	
10	Form 5	Interest and finance charges on loan	
11	Form 6	Interest on working capital	
12	Form 7	Return on Equity	
13	Form 8	Non-Tariff Income	
14	Form 9	Planned & Forced Outages	
15	Form 10	Operational parameters	
16	Form 11	Fuel Details for computation of Energy Charge Rate	
17	Form 12	Energy Charge Rate	
18	Form 13	Sales	
19	Form 14	Revenue from Sale of Electricity	
20	Form 15	Revenue Reconciliation	
21	Form 16	Summary of true-up	
		Capital Cost Approval*	
22	Form 17	Plant Characteristics (Thermal)	
23	Form 18	Plant Characteristics (Hydel)	
24	Form 19.1	Project Schedule	
25	Form 19.2	Abstract of Capital Cost	
26	Form 19.3	Breakup of Capital Cost	
27	Form 19.4	Breakup of Construction/Supply/Services/Packages	
28	Form 19.5	Financial Package	
29	Form 19.6	Details of Loans	
30	Form 19.7	Phasing of Expenditure, Debt and Equity upto COD	
31	Form 19.8	Interest During Construction and Finance Charges upto COD	

Note: * Applicable only for new Generating Station/Unit for which Provisional/Final tariff approval is being sought

TGGENCO

Form 3: Summary of Capital Expenditure and Capitalisation

BTPS (4X270MW) Project

(Rs.Crore)

S. No.	Particulars	FY 2025-26	FY 2026-27
1	Opening Capital Works in Progress	0	60.87
2	Capital Expenditure during the year	60.87	75.00
3	Capitalisation during the year	0.00	135.87
4	Closing Capital Works in Progress	60.87	0.00

TGGENCO
BTPS(4X270MW)
Form 3.1: Statement of Additional Capitalisation for BTPS(4X270MW) Project

Rs in Crores										
S. No.	FY	Name of the package (BTG, BoP, Civil Works etc.)	Name of the work	Total estimated cost* (Rs. Crore)	Capital expenditure during the year (Rs. Crore)	Capitalisation during the year (Rs. Crore)	Asset group under which the capitalisation has been accounted (Land, Buildings, etc.)	Scope of work	Relevant Clause of the TSERC MYT Regulation, 2023 under which the capitalisation has been claimed	Justification
1	FY 2025-26	Non EPC(E&M works) and Non EPC Civil works	New conveying system for diversion of raw coal from the existing crusher house to stock the raw coal near chain conveyors area and construction of space frame structure raw coal storage shed at BTPS(4X270MW) Project.	135.87	60.87	0.00	CHP	Design, engineering, manufacture, supply, assembly, testing at manufacturers works, inspection, packing for inland freight, forwarding, transit insurance, delivery FOR site, erection, supervision, testing and commissioning of new conveying system for diversion of raw coal including modification works in the existing crusher house and construction of new raw coal storage shed with all accessories, Mandatory Spares, Tools & Tackles including all mechanical, electrical, C&I, civil, structural works, dust suppression, dust extraction and fire fighting system at BTPS(4X270MW) project*.	Clause no.22.3 of TSERC Regulation 2 of 2023	It is very essential to have raw coal storage shed as the rainfall in Manuguru mandal consistently exceeding the normal level resulted to receipt of higher wet coal, consequently Generation loss and operational issues impacting the performance of the units. Hence, construction of Raw coal storage shed is essential.
	Total				60.87	0				
2	FY 2026-27				75.00	135.87				
	Total			135.87	135.87	135.87				

Note: The common works E&M and Civil other than BHEL approved vide Table No.4.6 of MYT Dt:23.03.2023 is of Rs.138.76 Crs and 1466.59 Crs respectively. The total estimated cost of Rs.135.87 Crs will be met by reappropriating the common works of E&M and civil works other than BHEL of Rs.70 Crs and 65.87 Crs respectively.

TGGENCO

Form 3.2: Financing of Additional Capitalisation for BTPS (4x270MW) project

(Rs in Cr.)

S. No.	Particulars	FY 2025-26	FY 2026-27
1	Additional capitalisation	0.00	135.87
2	Financing Details		
	Loan 1	0.00	0.00
	Loan 2	0.00	0.00
	Total Loan	0.00	0.00
3	Equity	0.00	0.00
4	Internal Resources	60.87	75.00
5	Others (Please Specify)	0.00	0.00
6	Total (2+3+4+5)	60.87	75.00

ANNEXURE - A

TATA CONSULTING ENGINEERS LIMITED



**Technical Justification and Cost benefit analysis for the proposed
Construction of Raw Coal storage shed at BTPS (4X270 MW) project**



**BHADRADRI THERMAL POWER STATION
TELANGANA POWER GENERATION CORPORATION LIMITED,
HYDERABAD**

JULY 2025

FILE NAME: F-023-Rev-R3.docx

Chief Engineer/TPC/TGGENCO
Inward No: 2025-1943
6 AUG 2025
SE/TPC-1/3/6
ADE/Tech CE/TPC



TCE FORM NO. 023 R3

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<u>ANNEXURES</u>	
No.	TITLE
I.	PROPOSED ARRANGEMENT AT BTPS FOR RAW COAL STORAGE SHED
II.	RAINFALL DATA OBTAINED FROM TAHASILDAR OF MANUGURU MANDAL
III.	WET COAL GENERATION LOSS DATA FOR KTPS - V/VI/VII & BTPS
IV.	LOSS OF GENERATION AND TRIPLING DETAILS
V.	GENERATION LOSS COST ANALYSIS

REVISION STATUS SHEET

<u>REVISION No.</u>	<u>DATE</u>	<u>DESCRIPTION</u>
P0	20-06-2025	For Client's review
R0	15-07-2025	For Client's review
R1	25-07-2025	For Client's review



ABBREVIATIONS USED

BCN	Belt Conveyor
BTPS	Bhadradi Thermal power station
CHP	Coal Handling Plant
COD	Commercial Operation Date
JNT	Junction Tower
KTPP	Kakatiya Thermal Power Station
KTPS	Kothagudem Thermal Power Station
OC	Open Cast
PQC	Poor Quality of Coal
SCCL	Singareni Collieries Company Limited
TP	Transfer Point
TSGENCO	Telangana State Power Generation Corporation Limited
VGf	Vibrating Grizzly Feeder



1. INTRODUCTION

- 1.1 Bhadradi Thermal power station (4X270MW) was established with 4 units of 270 MW each. It is situated in the Ramanujavaram village near Manuguru in the Bhadradi Kothagudem district of Telangana. COD of unit-1, unit-2, unit-3 & unit-4 conducted on 05.06.2020, 07.12.2020, 26.03.2021 & 09.01.2022 respectively.
- 1.2 The coal is being transported from Manuguru open cast mines to BTPS by the trucks only as the railway track and marshalling yard works still not completed. Alternative arrangement at wagon tippler grid and Track Hopper has been made to feed the coal received by trucks to the unit bunkers. Additional contingency arrangement has also been made to meet the coal requirement for all the four units by installing & commissioning of Two (2) numbers of chain conveyors with capacity of 600T.
- 1.3 M/s. TSGENCO has retained services of Tata Consulting Engineers Limited (TCE) for preparation of Technical Justification and Cost benefit analysis for the proposed Construction of Raw coal storage shed at BTPS (4X270 MW) project

2. NEED AND JUSTIFICATION OF THE PROJECT

- 2.1 Presently there is no raw coal storage shed in BTPS. BTPS plant is situated nearby the Manuguru open cast mines of SCCL. Considerable generation loss has been occurred during the operation of units from 2021-22 to 2024-25 due to the receipt of wet coal during monsoon season.
- 2.2 The coal supplied from OC mines by trucks in the BTPS plant is very much wet during the monsoon period. Coal is feeding to the bunkers through the conveying system. CHP equipment are originally designed only for feeding the dry coal. In view of wet coal being fed during monsoon, Crusher jam, chute jam, belt snapping and equipment damages are occurring frequently. Due to these frequent interruption in coal feeding, considerable generation loss is being incurred.
- 2.3 A raw coal storage shed that can accommodate at least 10 days coal stock (i.e 1.0 lakh MT) was proposed to store the raw coal near chain conveyors by diverting the raw coal before the existing crusher house to avoid the generation loss due to the wet coal. Proposed arrangement at BTPS site for raw coal storage shed is shown at Annexure-1.



3. SCOPE

The scope of this justification report covers the following:

- 3.1 Studying the issues occurring due to the use of wet coal mainly during rainy season.
- 3.2 Analyzing the generation loss occurred due to the use of wet coal and comparing the generation loss with nearby other power station where raw coal is stored in covered shed.
- 3.3 Analyzing the excess generation loss due to the use of wet coal and requirement of the excess oil.

4. LIST OF INPUT DATA:

Input data received from M/s TGGENCO is listed here and this is the basis for the study

- 4.1 Monthly rainfall data for the peak rainy season are furnished in **Annexure – II**
- 4.2 Wet coal generation loss data for KTPS - V/VI/VII & BTPS in **Annexure - III**
- 4.3 Data for Loss of generation and tripping details for the units of BTPS during the monsoon season are furnished in **Annexure – IV**
- 4.4 Generation loss cost analysis in **Annexure – V**

5. BRIEF DESCRIPTION OF EXISTING CHP SYSTEM AT BTPS

Coal (-) 250 mm received by BOX/BOXN wagons, is envisaged to be unloaded in Wagon Tippler Hoppers by two (2) nos. of Wagon Tipplers. Coal from Wagon Tippler Hoppers is conveyed by Apron Feeder along with Dribble Feeder and fed to underground conveyors BCN-2A/2B for onward conveying to underground transfer point TP-2. Further coal is conveyed to Crusher House through conveyor BCN-3A/3B.

Coal received by bottom discharge (BOBR) type wagons, is envisaged to be unloaded in one (1) no. Track Hopper. Coal from track hopper is scooped by two (2) no.'s of rotary discharge machine (RDM) provided per stream and fed to underground Conveyor BCN-1A/1B. From BCN-1A/1B conveyor coal is fed to underground conveyors BCN-2A/2B at TP-1 for onward conveying to underground transfer point TP-2. Further coal is conveyed to Crusher House through conveyor BCN-3A/3B. BCN-3A and BCN-3B feed the coal to the conveyor Belt Feeder BF-1/2 and Belt Feeder BF-3/4 respectively through gates, Grizzly Feeder Screen, Crusher. Then the (-) 20 mm size coal feed to the conveyor



BCN-4A / 4B from the conveyor Belt Feeder BF-1/2 and Belt Feeder. conveyor Belt Feeder BF-1/2 and Belt Feeder

At present, coal is being transported to site by the trucks only as the railway track and marshalling yard works still not completed. Received coal at site is unloaded in the Wagon Tippler Hopper / Track Hopper. So, some contingency arrangement of wagon tippler grid and Track Hopper has been made. From Hopper, coal is conveyed to Crusher House.

6. BRIEF DESCRIPTION OF PROPOSED SYSTEM

New conveying system with covered coal storage shed is being planned. Tapping of coal for the new conveying system shall be from the connecting chute between existing BCN-3A/3B conveyor and grizzly feeder. Then the uncrushed coal will be feed to NBCN-2 at crusher house. Then NBCN-2 will feed the coal to NBCN-3 at new junction tower NJNT-1 to stacked at covered storage shed. Proposed arrangement for raw coal storge shed is shown in Annexure-1.

7. JUSTIFICATION ON NECESSITY OF RAW COAL STORAGE SHED

7.1 Reduced Dust Emissions:

The covered coal shed reduces the dust emissions in the air and improves air quality. It also minimizes health risks for workers and surrounding communities.

7.2 Storing of Excess Coal:

Excess coal can be stored in the raw coal storage shed, when it is received from SCCL.

7.3 Less Dozer Movement:

Dozing activities are very difficult to feed the wet coal at chain conveyor during the rainy season. If the raw coal storage shed is constructed, the coal will remain in dry condition and dozer activities would be easier. Moreover, coal heap along the stockpile will be developed by the travelling tripper. So, the dozer movement will be less during the operation. So, operation cost for Dozer movement will be less.

7.4 Coal Storage Shed in Other Power Plants:



Covered coal storage shed is being used now in TGGENCO Power Plants and other power company's power plants.

Table-I: Coal storage shed provided for following TGGENCO Power Plants:

Name of the station	Arrangement for raw coal storage
KTPP (1X500MW+1X600MW) KTPS Stage-VII (1X800MW) KTPS Stage-V&VI (2X250MW+1X500MW)	Raw coal yard with covered shed with storage capacity of 1.0 Lakh Tones (approx.) are available at KTPP, KTPS Stage-VII CHP and raw coal storage shed with capacity of 2.0 lakh MT at KTPS-V&VI are available.

7.5 Heavy Rainfall:

BTPS site is subjected to continuous and rapid rain particularly in monsoon season. The rain-water collected on surface unable to percolate into the ground as the existing ground soil is stiffed clay with black in nature and due to this coal gets more wetted.

The rainfall details obtained from Tahasildar of Manuguru madal is tabulated as follows:
(Details enclosed as Annexure-2).

Table-II: Rainfall details in mm

Month	Normal rainfall in mm for the month	2016	2017	2018	2019	2020	2021	2022	2023	2024
1	2	6	7	8	9	10	11	12	13	14
MAY	68.2	24.2	84.4	19.2	18.8	23.6	60.8	53.2	44.6	52.2
JUNE	156.7	408.0	380.6	106.4	32.6	161.8	112.2	308.0	43.2	267.4
JULY	374.5	464.6	235.2	402.2	468.4	363.6	441.2	761.0	675.4	749.8
AUG	289.1	182.4	289.8	599.0	534.0	1038.2	88.4	273.8	162.4	364.0
SEPT	169.7	377.0	60.8	75.4	362.0	329.4	555.2	296.4	153.0	370
OCT	83.6	62.8	130.6	95.8	34.4	141.6	56.6	89.4	1.4	4.8
For above months only	1142	1519	1181	1298	1450	2058	1314	1781	1080	1808
Total year	1213.0	1562	1181	1393	1472	2191	1422	1807	1444	
Generation loss in MU in 2021, 2022, 2023 & 2024							12.42	328	212	134



From the rainfall table, it is very much obvious that the total rainfall in Manuguru Mondal is always above normal levels. There is heavy rainfall during the monsoon season i.e June to September. During this monsoon season, all the open cast mines of M/s. SCCL filled with rainwater. BTPS is situated at approx. 20 km distance from Manuguru coal mines. So, there is no chance of coal getting dried during the transport of coal. The coal remains in wet condition even it reached the BTPS. Then this wet coal is being fed to unit bunkers through the conveying system. Conveyor chutes, crushers, VGFs and other equipment is getting jammed frequently due to this wet coal and rat holes are being formed in the coal bunkers, which is affecting the generation.

7.6 Generation Loss Data of BTPS :

Loss of Generation due to Poor Quality of Coal (PQC) is furnished by CE/BTPS to CE/Commercial through Monthly Back Down report. Generation loss in MU (millions units) is furnished for the unit-1 to 4 of the BTPS for the month of Aug-24 & Sept.-24. Tripping details for unit-1 to unit-4 of BTPS for the month of Aug-24 & Sept.-24 is also furnished (Details enclosed as Annexure-III). It can be concluded that there is huge loss of generation at BTPS during the months of monsoon season i.e June to September.

7.7 Analysis of Generation Loss of BTPS

KTPS plant is very nearby to the BTPS plant. KTPS plant has been considered for analysis of generation loss due to the wet coal. The Generation loss (in MU) details due to wet coal at KTPS - V, VI & VII and BTPS are furnished in Annexure-III. The loss of generation due to wet coal during the monsoon (i.e. from June to September) arrived duly deducting the average annual loss of generation due to PQC of a particular power station from the monthly loss of generation due to combination of PQC & wet coal during monsoon months. Further, excess oil consumption during monsoon season is considered to maintain flame stability due to wet coal.

The generation loss (MU) due to wet coal in the monsoon season (i.e June to September) for the period of 2021-22 to 2024-25 for BTPS is tabulated below:



Table-III: Generation loss in Million units of BTPS

Month / Year	2021-22	2022-23	2023-24	2024-25	TOTAL
JUNE	1.54	0.0	13.21	15.17	29.92
JULY	10.88	83.48	44.35	8.13	146.84
AUGUST	0.0	130.17	38.93	47.08	216.18
SEPTEMBER	0.0	114.35	116.16	64.52	295.03
TOTAL (MU)	12.42	328.00	212.66	134.91	687.99

- Tarpaulins were provided on the coal heaps since 2023-24 during the rainy season to minimize the generation loss but still there is generation loss due to wet coal.
- Generation loss was more in the year 2022-2023 because of heavy flood occurred on 16.07.2022 and during that period 3 units were taken out of service in phased manner.
- During the year 2023-24, Unit-2 was under Annual Over-Haul from 25-06-2023 to 16-07-2023 & Unit-3 under Annual Over-Haul from 26-07-2023 to 24-08-2023 for a period of 20 & 30 days respectively. If all the units had been in operation, then the generation loss would have been higher than 212.66 MU for the period of June-September of 2023-24.
- Unit-1 was not in service from July-24 to September-24 due to Generator Transformer-I failure during the year 2024-2025. If unit-1 had been in operation, then the generation loss would have been higher than 134.91 MU for the mentioned rainy season.

7.8 Comparison of Generation Loss between Covered and Open Coal Storage

Coal storage sheds are available in KTPS-V, VI & VII stages. That's why the generation loss due to wet coal for KTPS units was comparatively less than BTPS units. Comparison of Generation loss (in MU) among the KTPS and BTPS units is tabulated below.



Table-IV: Generation loss in MU due to wet coal between 2021-22 to 2024-25

Month / Year	KTPS-V (2X250MW)	KTPS-VI (1X500MW)	KTPS-VII (1X800MW)	BTPS (4X270MW)
June	18.69	6.856	1.98	29.9
July	35.45	41.78	0.0	146.841
August	85.22	72.76	12.452	216.18
September	36.04	176.60	228.56	295.03
Total	175.40	297.996	242.99	687.997
Generation loss due to wet coal /MW	0.35 MU/MW	0.59 MU/MW	0.30 MU/MW	0.64 MU/MW

Stored dry coal was utilized in initial days of August itself, and the wet coal which received from SCCL was fed directly to coal bunkers. This pattern is being followed in all KTPS units for the month of September every year. That's why generation loss in KTPS was high in September months in the years of 2023 & 2024.

8. Generation Loss Cost Analysis Due to Wet Coal and Oil

The cost of generation loss due to wet coal and excess oil consumption in BTPS arrived based on Fixed cost is as follows (Refer Annexure – V for details).

Table-V: Excess oil cost (in Rs. Crores) in crores due to wet coal in BTPS

Month/Year	2021-22	2022-23	2023-24	2024-25	TOTAL
JUNE	6.34	8.56	1.65	1.07	17.62
JULY	7.57	49.04	2.65	0.63	59.89
AUGUST	5.83	35.41	1.46	0.66	43.36
SEPTEMBER	6.44	23.36	1.89	1.54	33.24
TOTAL	26.18	116.37	7.66 *	3.91 **	154.11

* Unit-2 & 3 was under Annual Over-Haul for around 20 & 30 days respectively.

** Only three units are in service during 2024-25



Table-VI: Generation Loss Cost (in Rs. Crores) considering wet coal and excess oil consumption in BTPS

Month/Year	2021-22	2022-23	2023-24	2024-25	Total
June	6.60	8.56	4.06	4.24	23.46
July	9.44	65.90	13.21	2.88	91.43
August	5.83	61.70	10.02	14.84	92.39
September	6.44	46.46	25.94	25.03	103.87
Total	28.32	182.62	53.23	46.98	311.15

The total Generation loss cost for last four years 2021-25 including oil consumption due to wet coal is Rs.311.15 crores (considering the fixed cost). So, it can be easily stated that there is huge generation cost due to the wet coal and excess oil consumption.

9. Cost Benefit Analysis

As per the Table-VI, total generation loss in the rainy season considering the wet coal and excess oil consumption is Rs. 311.15 Cr for the period of 2021-2025. So, the Average generation loss is coming to $(311.15/4 =) 77.79$ cr. per year.

BTPS experienced greater generation loss during 2022–2023 due to severe flooding in the month of July. Accordingly, total generation loss in the monsoon season is Rs. 128.53 cr. considering the year 2021-2022, 2023-2024 & 2024-2025. So, the average generation loss is Rs. $(128.53/3 =) 42.84$ Cr. per year. So, Rs. **42.84 Cr. per year** generation loss is considered for cost benefit analysis.

The following cost estimation for the total scope of work of New Conveying System including the Raw Coal Storage Shed was provided at the time of Specification released in September, 2023.



Table-VII: Estimated Costing for the New Conveying System Along-with Raw Coal Storage Shed in BTPS as on Sept'23

Sl. No.	Item description	Estimate Cost (Rs Crores)	Statutory Provisions & GST (Rs Crores)	Total (Rs Crores)
1	Civil	Rs. 91.80 cr.	Rs 23.26 cr.	Rs. 115.06 cr.
2	Mechanical	Rs. 15 cr.	Rs. 3.18 cr.	Rs. 20.81 cr.
3	Electrical	Rs. 1.5 cr.		
4	C&I	Rs. 1.125 cr.		
	Grand Total	Rs. 109.43 cr.	Rs. 26.44 cr.	Rs. 135.87 cr.

Considering the Escalation (6% per year) and contingency cost, the estimated cost in July'25 is as follows:

Table-VIII: Estimated Costing for the New Conveying System Along-with Raw Coal Storage Shed in BTPS as on July'25

Sl. No.	Item description	Estimate Cost in Sept.'23 (Rs. Crores)	Considering Escalation Cost in July'25 (Rs. Crores)	Contingency Cost (Rs. Crores)	Estimate Cost in July'25 (Rs. Crores)
1	Total Cost	Rs. 135.87 cr.	Rs. 151.31 cr.	Rs. 5.0 cr.	Rs. 156.31 cr.

So, the total estimated cost for the total scope of work of New Conveying System Along-with raw Coal Storage Shed is Rs. 156.31 cr. as on July'25. Average generation loss due to the use of wet coal and excess coal consumption during rainy season is Rs. 42.84 cr. per year.

Sl. No.	Estimate Cost in July'25 (Rs. Crores)	Avg. Generation Loss per Year (Rs. Crores)	Generation Loss for 4 Years (Rs. Crores)	Nos. of Years Required to Recover the Cost
1	Rs. 156.31 cr.	Rs. 42.84 cr.	Rs. 171.36 cr.	4 Years

Considering the above the fact, it can be stated that the Generation loss for 4 years will be Rs. 171.36 cr., whereas the estimated cost for construction of new conveying system including the raw coal storage shed is Rs. 156.31 cr. So, the construction cost for new conveying system

including the raw coal storage shed will be recovered in 4 years. It can be easily concluded that it will have cost benefit for the BTPS plant after 4 years from the starting of the operation of raw coal storage shed. Construction of raw coal storage shed is very much recommended as it is having cost benefit.

N.B: Budget for construction of this coal shed along with new conveying system will be met by in house and hence borrowing from lenders not considered as confirmed by TGGENCO, BTPS.

10. CONCLUSIONS AND RECOMMENDATIONS

As per the above justification and cost benefit analysis, the following can be concluded:

- a. Coal storage shed is being used by TGGENCO and other power company in their power plants to minimize the generation loss.
- b. There is rapid and continuous rainfall during the monsoon season and wet coal from the mines directly entered to the BTPS by trucks. This wet coal causes frequent tripping and increases the generation loss.
- c. The analysis data clearly indicate that generation loss during the rainy season is huge due to wet coal in BTPS. Whereas the generation loss is comparatively less in KTPS as coal storage shed is being used in KTPS.
- d. As per the cost analysis, it can be clearly observed that generation loss cost due to wet coal and excess oil consumption is above Rs. 300 cr for the period of 2021-2025.
- e. Average generation loss per year is approx. 42.84cr. From the cost benefit analysis, it is very much clear that the construction cost of new conveying system along with raw coal storage shed would be recovered with-in 4 years from the date of operation and after that it will have cost benefit for the BTPS plant.

Based on the above, it can be easily stated that the construction of coal storage shed is very much recommended. So, it is recommended to construct a raw coal storage shed of approx. 1 lakh MT.



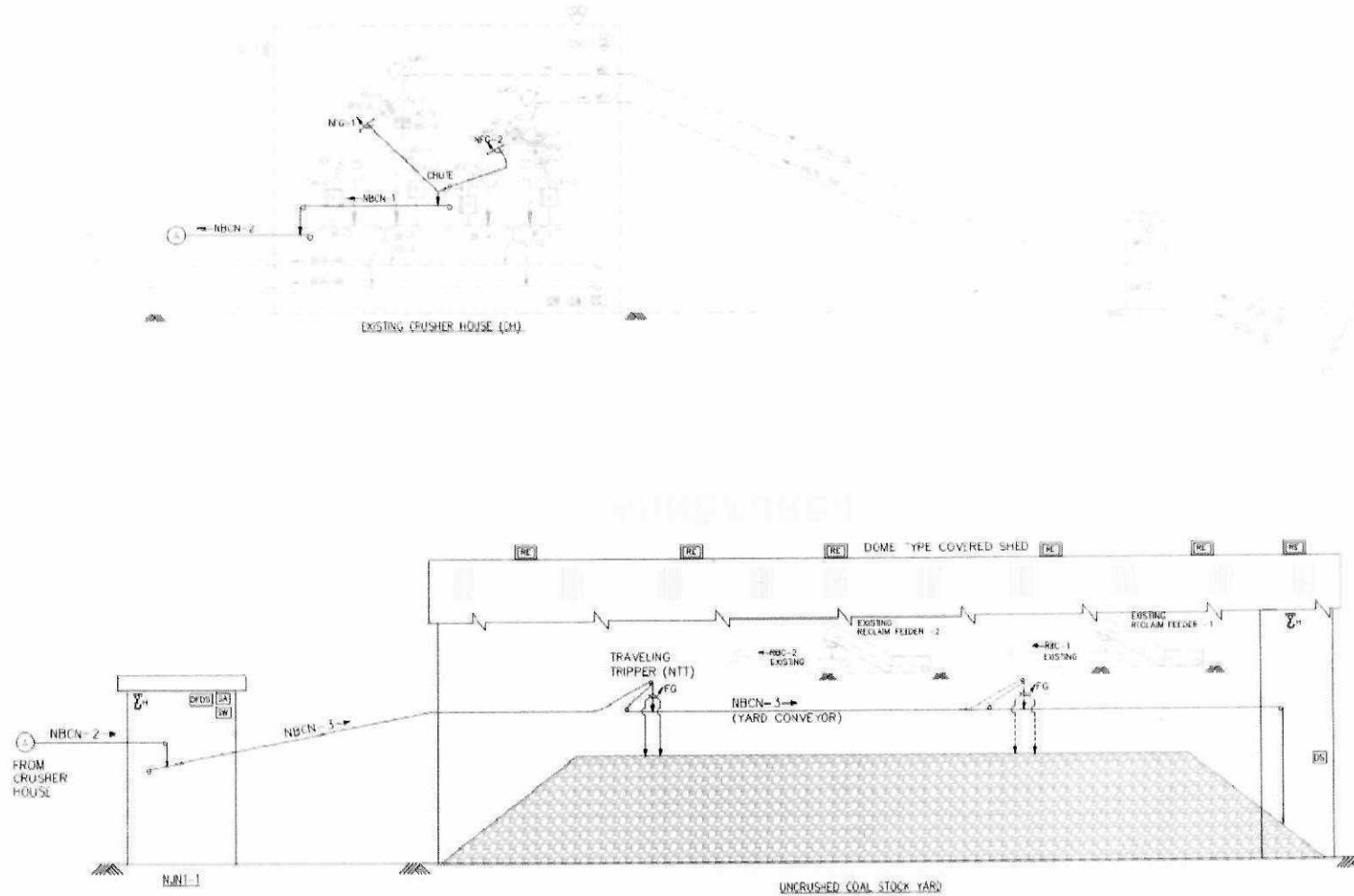


ANNEXURE-I





ANNEXURE-I: PROPOSED ARRANGEMENT AT BTPS FOR RAW COAL STORAGE SHED

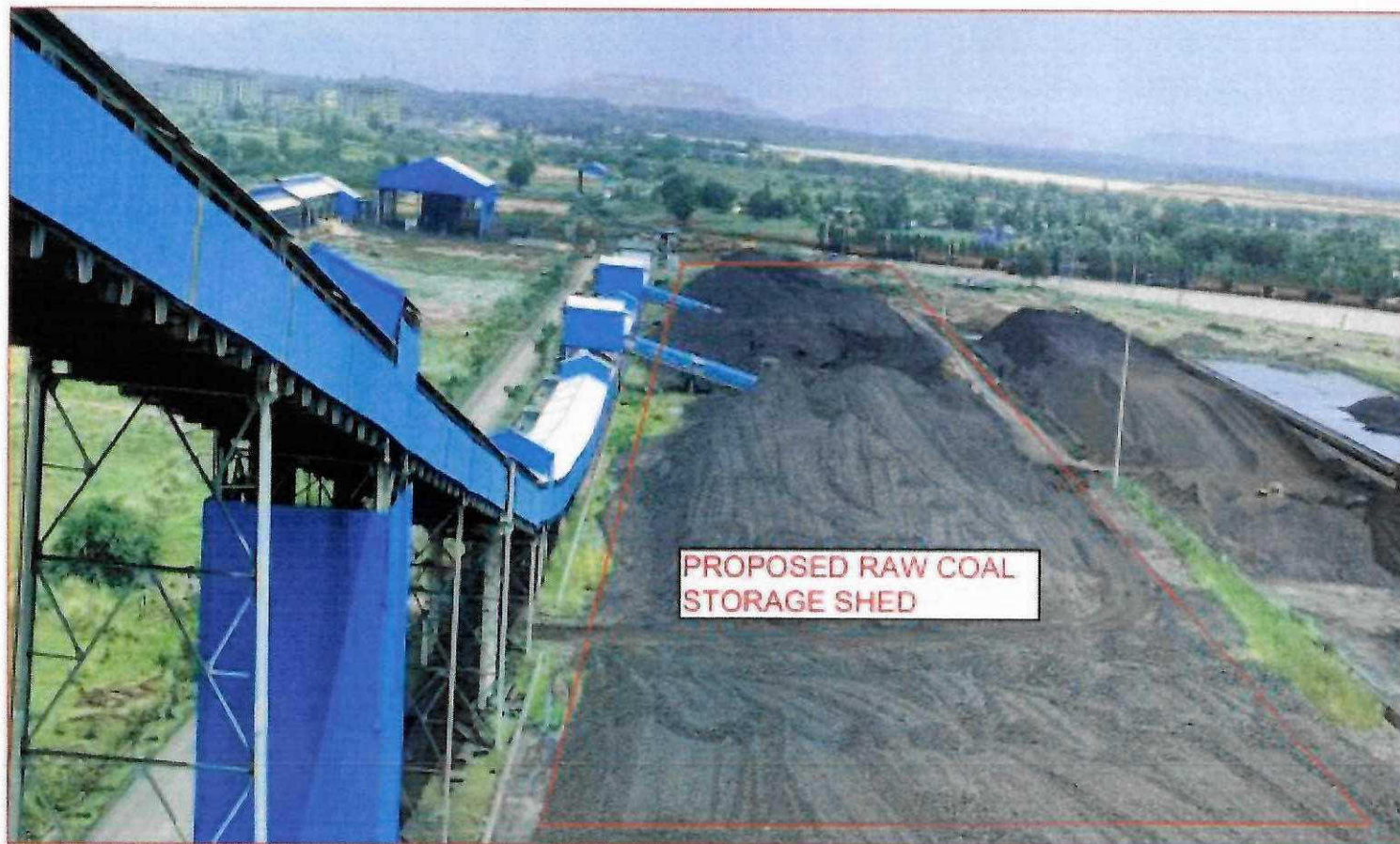


Source: TCE Specification NO. TCE.12885A-ME-6028-6002





Proposed Raw Coal Shed



Source: TGGENCO mail dated 14.07.2025





ANNEXURE-II



ANNEXURE-II: RAINFALL DATA OBTAINED FROM TAHASILDAR OF MANUGURU MANDAL

MONTHLY RAINFALL REPORT FROM 2013 TO 2024 OF MANUGURU MANDAL

Rainfall Received in mm

Sl No	NAME OF THE MONTH	NORMAL RAINFALL FOR THE MONTH	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	JANUARY	12.6	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.4	0.0	16.0	0.0	0.0
2	FEBRUARY	14.1	14.6	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3	MARCH	13.3	0.0	0.0	0.0	24.6	0.0	0.0	0.0	73.0	0.0	1.4	118.8	
4	APRIL	27.6	34.0	0.0	72.6	18.4	0.0	14.0	9.8	43.8	68.8	8.6	75.4	
5	MAY	68.2	5.4	98.8	57.0	24.2	84.4	19.2	18.8	23.6	60.8	53.2	44.6	
6	JUNE	156.7	155.8	22.6	589.6	408.0	380.6	106.4	32.6	161.8	112.2	308.0	43.2	
7	JULY	374.5	498.2	281.0	288.2	464.6	235.2	402.2	468.4	363.6	441.2	761.0	675.4	
8	AUGUST	289.1	229.4	250.4	247.2	182.4	289.8	599.0	534.0	1038.2	88.4	273.8	162.4	
9	SEPTEMBER	169.7	174.4	273.0	334.8	377.0	60.8	75.4	362.0	329.4	555.2	296.4	153.0	
10	OCTOBER	83.6	181.6	81.4	20.2	62.8	130.6	95.8	34.4	141.6	56.6	89.4	1.4	
11	NOVEMBER	2.1	0.0	3.4	3.2	0.0	0.0	0.0	8.8	13.2	23.4	0.0	18.6	
12	DECEMBER	1.5	0.0	0.0	0.8	0.0	0.0	81.0	0.0	0.0	15.4	0.0	152.0	
TOTAL		1213.0	1293.4	1022.2	1613.6	1562.0	1181.4	1393.0	1472.4	2191.6	1422.0	1807.8	1444.8	0.0

Source: TGGENCO mail dated 19.05.2025





ANNEXURE-II: RAINFALL DATA OBTAINED FROM TAHASILDAR OF MANUGURU MANDAL

MONTHLY RAINFALL REPORT FOR THE MONTH ENDING JUNE-2024

Mandal: Manuguru		Division: Bhadrachalam		District: Bhadrachalam Kothagudem Rainfall in mm		
Date	Rainfall Received on the day	Monthly Rain fall	Cummulative Rain Fall from 1.6.2024	Normal for the Month	Cummulative Normal Rain fall from 1-6-2024	% of Variation (4-6/6X 100)
1	2	3	4	5	6	7
1.6.2024	0.0	0.0	0.0	156.7	156.7	70.6
2.6.2024	0.0	0.0	0.0			
3.6.2024	32.8	32.8	32.8			
4.6.2024	0.0	32.8	32.8			
5.6.2024	0.0	32.8	32.8			
6.6.2024	0.0	32.8	32.8			
7.6.2024	3.6	36.4	36.4			
8.6.2024	0.0	36.4	36.4			
9.6.2024	0.0	36.4	36.4			
10.6.2024	0.0	36.4	36.4			
11.6.2024	2.4	38.8	38.8			
12.6.2024	0.0	38.8	38.8			
13.6.2024	0.0	38.8	38.8			
14.6.2024	0.0	38.8	38.8			
15.6.2024	0.0	38.8	38.8			
16.6.2024	0.0	38.8	38.8			
17.6.2024	0.0	38.8	38.8			
18.6.2024	0.0	38.8	38.8			
19.6.2024	1.2	40.0	40.0			
20.6.2024	0.0	40.0	40.0			
21.6.2024	0.0	40.0	40.0			
22.6.2024	12.4	52.4	52.4			
23.6.2024	96.6	149.0	149.0			
24.6.2024	0.0	149.0	149.0			
25.6.2024	5.6	154.6	154.6			
26.6.2024	0.0	154.6	154.6			
27.6.2024	10.6	165.2	165.2			
28.6.2024	20.8	186.0	186.0			
29.6.2024	16.8	202.8	202.8			
30.6.2024	64.6	267.4	267.4			
TOTAL	267.4	267.4	267.4	156.7	156.7	70.6

No. of Rainy Days : 9 Day

Status of Rainfall during the Month : **EXCESS**Status of Rainfall during the Season : **EXCESS**Copy submitted to the chief Planning officer , Bhadrachalam Kothagudem
Copy Submitted to the Sub-Collector , BhadrachalamTahsildar
Manuguru

Source: TGGENCO mail dated 19.05.2025

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TCE FORM NO. 023 R3



ANNEXURE-II: RAINFALL DATA OBTAINED FROM TAHASILDAR OF MANUGURU MANDAL

MONTHLY RAINFALL REPORT FOR THE MONTH ENDING JULY-2024

Mandal: Manuguru				Division: Bhadrachalam			District: Bhadrachalam Kothagudem Rainfall in mm		
Date	Rainfall Received on the day	Monthly Rain fall	Cummulative Rain Fall from 1-6-2024	Normal for the Month	Cummulative Normal Rain fall from 1-6-2024	% of Variation (4-6/5X 100)			
1	2	3	4	5	6	7			
1 7 2024	12.4	12.4	279.8	375.0	531.7	91.3			
2 7 2024	0.0	12.4	279.8						
3 7 2024	22.4	34.8	302.2						
4 7 2024	18.2	53.0	320.4						
5 7 2024	20.4	73.4	340.8						
6 7 2024	14.8	88.2	355.6						
7 7 2024	58.2	146.4	413.8						
8 7 2024	56.4	202.8	470.2						
9 7 2024	28.6	231.4	498.8						
10 7 2024	52.4	283.8	551.2						
11 7 2024	0.0	283.8	551.2						
12 7 2024	0.0	283.8	551.2						
13 7 2024	28.4	312.2	579.6						
14 7 2024	14.4	326.6	594.0						
15 7 2024	4.6	331.2	598.6						
16 7 2024	0.0	331.2	598.6						
17 7 2024	88.4	419.6	687.0						
18 7 2024	4.2	423.8	691.2						
19 7 2024	18.6	442.4	709.8						
20 7 2024	64.8	507.2	774.6						
21 7 2024	74.2	581.4	848.8						
22 7 2024	62.4	643.8	911.2						
23 7 2024	12.4	656.2	923.6						
24 7 2024	13.6	669.8	937.2						
25 7 2024	6.2	676.0	943.4						
26 7 2024	2.2	678.2	945.6						
27 7 2024	26.8	705.0	972.4						
28 7 2024	16.8	721.8	989.2						
29 7 2024	1.0	722.8	990.2						
30 7 2024	24.2	747.0	1014.4						
31 7 2024	2.8	749.8	1017.2						
TOTAL	747.0	749.8	1017.2	375.0	531.7	91.3			

No. of Rainy Days : 25 Day

Status of Rainfall during the Month : **EXCESS**Status of Rainfall during the Season : **EXCESS**Copy submitted to the chief Planning officer , Bhadrachalam Kothagudem
Copy Submitted to the Sub-Collector , BhadrachalamTahsildar
Manuguru

Source: TGGENCO mail dated 19.05.2025





ANNEXURE-II: RAINFALL DATA OBTAINED FROM TAHASILDAR OF MANUGURU MANDAL

MONTHLY RAINFALL REPORT FOR THE MONTH ENDING AUGUST-2024

Mandal: Manuguru		Division: Bhadrachalam		District: Bhadrachal Kothaguri Rainfall in mm		
Date	Rainfall Received on the day	Monthly Rain fall	Cumulative Rain Fall from 1.6.2024	Normal for the Month	Cumulative Normal Rain fall from 1.6-2024	% of Variation (4-6/6X 100)
1	2	3	4	5	6	7
1.8.2024	28.2	28.2	1045.4	289.0	820.7	68.3
2.8.2024	9.4	37.6	1054.8			
3.8.2024	48.6	86.2	1103.4			
4.8.2024	12.6	98.8	1116.0			
5.8.2024	4.8	103.6	1120.8			
6.8.2024	0.0	103.6	1120.8			
7.8.2024	31.2	134.8	1152.0			
8.8.2024	48.6	183.4	1200.6			
9.8.2024	3.2	186.6	1203.8			
10.8.2024	0.0	186.6	1203.8			
11.8.2024	4.8	191.4	1208.6			
12.8.2024	1.2	192.6	1209.8			
13.8.2024	38.6	231.2	1248.4			
14.8.2024	0.0	231.2	1248.4			
15.8.2024	3.2	234.4	1251.6			
16.8.2024	0.0	234.4	1251.6			
17.8.2024	0.0	234.4	1251.6			
18.8.2024	0.0	234.4	1251.6			
19.8.2024	48.8	283.2	1300.4			
20.8.2024	0.0	283.2	1300.4			
21.8.2024	0.0	283.2	1300.4			
22.8.2024	0.0	283.2	1300.4			
23.8.2024	5.6	288.8	1306.0			
24.8.2024	4.2	293.0	1310.2			
25.8.2024	0.0	293.0	1310.2			
26.8.2024	0.0	293.0	1310.2			
27.8.2024	0.0	293.0	1310.2			
28.8.2024	0.0	293.0	1310.2			
29.8.2024	0.0	293.0	1310.2			
30.8.2024	12.6	305.6	1322.8			
31.8.2024	58.4	364.0	1381.2			
TOTAL	364.0	364.0	1381.2	289.0	820.7	68.3

No. of Rainy Days : 16 Days

Status of Rainfall during the Month : **EXCESS**Status of Rainfall during the Season : **EXCESS**

Copy submitted to the chief Planning officer, Bhadrachal Kothagudem

Copy Submitted to the Sub-Collector, Bhadrachalam

Tahsildar
Manuguru

Source: TGGENCO mail dated 19.05.2025



ANNEXURE-II: RAINFALL DATA OBTAINED FROM TAHASILDAR OF MANUGURU MANDAL

MONTHLY RAINFALL REPORT FOR THE MONTH ENDING SEPTEMBER-2024

Mandal: PINAPAKA		Division: Bhadrachalam		District: Bhadrachali Kothagudi Rainfall in mm		
Date	Rainfall Received on the day	Monthly Rain fall	Cummulative Rain Fall from 1-6-2024	Normal for the Month	Cummulative Normal Rain fall from 1-6-2024	% of Variation (4-6/6X 100)
1	2	3	4	5	6	7
1-9-2024	104.6	104.6	1436.8	175.0	1020	66.9
2-9-2024	16.4	121.0	1453.2			
3-9-2024	0.6	121.6	1453.8			
4-9-2024	14.2	135.8	1468.0			
5-9-2024	111.6	247.4	1579.6			
6-9-2024	0.0	247.4	1579.6			
7-9-2024	0.8	248.2	1580.4			
8-9-2024	0.0	248.2	1580.4			
9-9-2024	40.2	288.4	1620.6			
10-9-2024	37.2	325.6	1657.8			
11-9-2024	0.0	325.6	1657.8			
12-9-2024	0.0	325.6	1657.8			
13-9-2024	3.2	328.8	1661.0			
14-9-2024	0.0	328.8	1661.0			
15-9-2024	0.0	328.8	1661.0			
16-9-2024	0.0	328.8	1661.0			
17-9-2024	0.0	328.8	1661.0			
18-9-2024	0.0	328.8	1661.0			
19-9-2024	0.0	328.8	1661.0			
20-9-2024	0.0	328.8	1661.0			
21-9-2024	22.2	351.0	1683.2			
22-9-2024	12.4	363.4	1695.6			
23-9-2024	3.2	366.6	1698.8			
24-9-2024	0.0	366.6	1698.8			
25-9-2024	0.0	366.6	1698.8			
26-9-2024	0.0	366.6	1698.8			
27-9-2024	3.4	370.0	1702.2			
28-9-2024	0.0	370.0	1702.2			
29-9-2024	0.0	370.0	1702.2			
30-9-2024	0.0	370.0	1702.2			
TOTAL	370.0	370.0	1702.2	175.0	1020	66.9

No. of Rainy Days : 11 Days

Status of Rainfall during the Month : **EXCESS**Status of Rainfall during the Season : **EXCESS**

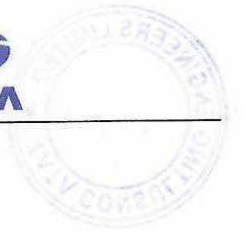
Copy submitted to the chief Planning officer, Bhadrachali Kothagudem

Copy Submitted to the Sub-Collector, Bhadrachalam

Tahsildar
Pinapaka

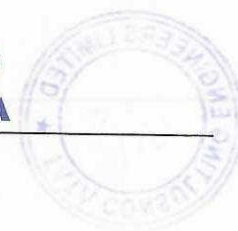
Source: TGGENCO mail dated 19.05.2025





ANNEXURE-III



**ANNEXURE-III: WET COAL GENERATION LOSS DATA FOR KTPS - V/VI/VII & BTPS**

WET COAL GENERATION LOSS DATA (IN MU) FOR KTPS-V STAGE FOR 2021-25

Apr-21	3.093
May-21	0.615
Jun-21	0.850
Jul-21	6.613
Aug-21	14.617
Sep-21	14.191
Oct-21	16.491
Nov-21	11.130
Dec-21	19.754
Jan-22	17.627
Feb-22	7.566
Mar-22	5.627
TOTAL	118.17

Apr-21	3.093
May-21	0.615
Oct-21	16.491
Nov-21	11.130
Dec-21	19.754
Jan-22	17.627
Feb-22	7.566
Mar-22	5.627
TOTAL	81.90
AVG	10.23788

FY 2021-22

MONTH	PQC+WET	AVG PQC	WET COAL
Jun-21	0.850	10.24	0.00
Jul-21	6.613	10.24	0.00
Aug-21	14.617	10.24	4.38
Sep-21	14.191	10.24	3.95
TOTAL	36.271		8.33

FY 2022-23 DATA

Apr-22	12.03
May-22	14.45
Jun-22	18.59
Jul-22	28.42
Aug-22	36.51
Sep-22	46.37
Oct-22	51.66
Nov-22	45.40
Dec-22	29.33
Jan-23	21.03
Feb-23	23.32
Mar-23	34.49
TOTAL	361.60

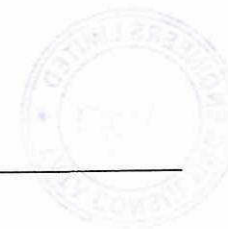
Apr-22	12.03
May-22	14.45
Oct-22	51.66
Nov-22	45.40
Dec-22	29.33
Jan-23	21.03
Feb-23	23.32
Mar-23	34.49
TOTAL	231.70
AVG	28.963

FY 2022-23

MONTH	PQC+WET	AVG PQC	WET COAL
Jun-22	18.59	28.96	0
Jul-22	28.42	28.96	0.00
Aug-22	36.51	28.96	7.55
Sep-22	46.37	28.96	17.41
TOTAL	129.893		24.955

Source: TGGENCO mail dated 19.05.2025





ANNEXURE-III: WET COAL GENERATION LOSS DATA FOR KTPS - V/VI/VII & BTPS

WET COAL GENERATION LOSS DATA(IN MU) FOR KTPS-V STAGE FOR 2021-25

FY 2023-24 DATA

Apr-23	38.071
May-23	23.94
Jun-23	34.478
Jul-23	54.15
Aug-23	67.822
Sep-23	28.405
Oct-23	20.143
Nov-23	13.66
Dec-23	14.121
Jan-24	15.118
Feb-24	9.331
Mar-24	15.152
TOTAL	334.391

Apr-23	38.071
May-23	23.94
Oct-23	20.143
Nov-23	13.66
Dec-23	14.121
Jan-24	15.118
Feb-24	9.331
Mar-24	15.152
TOTAL	149.536
AVG	18.692

FY 2023-24			
MONTH	PQC+WET	AVG PQC	WET COAL
Jun-23	34.478	18.69	15.786
Jul-23	54.15	18.69	35.458
Aug-23	67.822	18.69	49.13
Sep-23	28.405	18.69	9.713
TOTAL	184.855		110.087

FY 2024-25 DATA

Apr-24	13.371
May-24	24.454
Jun-24	20.810
Jul-24	16.005
Aug-24	42.062
Sep-24	22.879
Oct-24	24.264
Nov-24	9.191
Dec-24	8.827
Jan-25	27.294
TOTAL	209.157

Apr-24	13.371
May-24	24.454
Oct-24	24.264
Nov-24	9.191
Dec-24	8.827
Jan-25	27.294
TOTAL	107.401
AVG	17.90017

FY 2024-25			
MONTH	PQC+WET	AVG PQC	WET COAL
Jun-24	20.810	17.90	2.910
Jul-24	16.005	17.90	0.000
Aug-24	42.062	17.90	24.162
Sep-24	22.879	17.90	4.979
TOTAL	101.756		32.051

Source: TGGENCO mail dated 19.05.2025



ANNEXURE-III: WET COAL GENERATION LOSS DATA FOR KTPS - V/VI/VII & BTPS

WET COAL GENERATION LOSS (IN MU) DATA FOR KTPS-VI STAGE FOR 2021-25

Apr-21	5.051
May-21	0
Jun-21	3.679
Jul-21	17.746
Aug-21	21.619
Sep-21	57.577
Oct-21	36.506
Nov-21	12.922
Dec-21	0.085
Jan-22	2.411
Feb-22	14.315
Mar-22	20.592
TOTAL	192.50

Apr-21	5.051
May-21	0
Oct-21	36.506
Nov-21	12.922
Dec-21	0.085
Jan-22	2.411
Feb-22	14.315
Mar-22	20.592
TOTAL	91.88
AVG	11.48525

FY 2021-22					
MONTH	PQC+WET	AVG PQC	WET COAL	PRODUCT ION COST	GEN LOSS COST DUE TO WET COAL (IN CR.)
Jun-21	3.679	11.49	0.00		0.000
Jul-21	17.746	11.49	6.26		0.000
Aug-21	21.619	11.49	10.13		0.000
Sep-21	57.577	11.49	46.09		0.000
TOTAL	100.621		62.49		0.00

Source: TGGENCO mail dated 19.05.2025

ANNEXURE-III: WET COAL GENERATION LOSS DATA FOR KTPS - V/VI/VII & BTPS

WET COAL GENERATION LOSS (IN MU) DATA FOR KTPS-VI STAGE FOR 2021-25FY 2022-23 DATA

Apr-22	33.954
May-22	28.834
Jun-22	22.225
July-22	49.691
Aug-22	10.044
Sep-22	23.069
Oct-22	32.758
Nov-22	17.029
Dec-22	34.606
Jan-23	31.116
Feb-23	45.792
Mar-23	38.145
TOTAL	367.26

Apr-22	33.954
May-22	28.834
Oct-22	32.758
Nov-22	17.029
Dec-22	34.606
Jan-23	31.116
Feb-23	45.792
Mar-23	38.145
TOTAL	262.23
AVG	32.77925

<u>FY 2022-23</u>					
MONTH	PQC+WET	AVG PQC	WET COAL	PRODUCTION COST	GEN LOSS COST DUE TO WET COAL
Jun-22	22.225	32.78	0		0
Jul-22	49.691	32.78	16.91		0.00
Aug-22	10.044	32.78	0.00		0.00
Sep-22	23.069	32.78	0.00		0.00
TOTAL	105.029		16.91		0.00

Source: TGGENCO mail dated 19.05.2025



ANNEXURE-III: WET COAL GENERATION LOSS DATA FOR KTPS - V/VI/VII & BTPS

WET COAL GENERATION LOSS (IN MU) DATA FOR KTPS-VI STAGE FOR 2021-25FY 2023-24 DATA

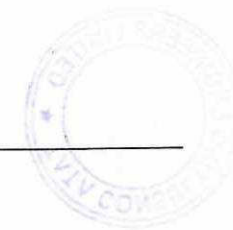
Apr-23	28.487
May-23	7.583
Jun-23	7.304
July-23	35.537
Aug-23	70.171
Sep-23	84.231
Oct-23	15.723
Nov-23	6.604
Dec-23	10.520
Jan-24	14.708
Feb-24	20.480
Mar-24	31.251
TOTAL	332.599

Apr-23	28.487
May-23	7.583
Oct-23	15.723
Nov-23	6.604
Dec-23	10.520
Jan-24	14.708
Feb-24	20.480
Mar-24	31.251
TOTAL	135.356
AVG	16.9195

<u>FY 2023-24</u>					
MONTH	PQC+WET	AVG PQC	WET COAL	PRODUCTION COST	GEN LOSS COST DUE TO WET COAL
Jun-23	7.304	16.92	0		0.00
Jul-23	35.537	19.92	18.6175		0.00
Aug-23	70.171	16.92	53.2515		0.00
Sep-23	84.231	16.92	67.3115		0.00
TOTAL	197.243		139.1805		0.00

Source: TGGENCO mail dated 19.05.2025





ANNEXURE-III: WET COAL GENERATION LOSS DATA FOR KTPS - V/VI/VII & BTPS

WET COAL GENERATION LOSS (IN MU) DATA FOR KTPS-VI STAGE FOR 2021-25FY 2024-25 DATA

Apr-24	23.131
May-24	5.766
Jun-24	22.504
Jul-24	10.461
Aug-24	25.035
Sep-24	78.854
Oct-24	34.607
Nov-24	10.067
TOTAL	230.742

Apr-24	23.131
May-24	5.766
Oct-24	34.607
Nov-24	10.067
Dec-24	8.009
Jan-25	12.308
TOTAL	93.888
AVG	15.648

FY 2024-25					
MONTH	PQC+WET	AVG PQC	WET COAL	PRODUCTION COST	GEN LOSS COST DUE TO WET COAL
Jun-24	22.504	15.65	6.856		0.00
Jul-24	10.461	15.65	0.000		0.00
Aug-24	25.035	15.65	9.387		0.00
Sep-24	78.854	15.65	63.206		0.00
TOTAL	136.854				0.00

Source: TGGENCO mail dated 19.05.2025





ANNEXURE-III: WET COAL GENERATION LOSS DATA FOR KTPS - V/VI/VII & BTPS

WET COAL GENERATION LOSS DATA (IN MU) FOR KTPS-VII STAGE FOR 2021-25

Apr-21	0.153
May-21	1.782
Jun-21	12.079
Jul-21	9.323
Aug-21	21.278
Sep-21	74.926
Oct-21	55.709
Nov-21	12.476
Dec-21	4.954
Jan-22	2.246
Feb-22	1.175
Mar-22	2.3015
	198.40

Apr-21	0.153
May-21	1.782
Oct-21	55.709
Nov-21	12.476
Dec-21	4.954
Jan-22	2.246
Feb-22	1.175
Mar-22	2.3015
TOTAL	80.80
AVG	10.09956

FY 2021-22			
MONTH	PQC+WET	AVG PQC	WET COAL
Jun-21	12.079	10.10	1.98
Jul-21	9.323	10.10	0.00
Aug-21	21.278	10.10	11.18
Sep-21	74.926	10.10	64.83
TOTAL	117.606		77.98

Apr-22	2.44
May-22	34.95
Jun-22	33.55
Jul-22	3.17
Aug-22	0.00
Sep-22	0.20
Oct-22	29.63
Nov-22	37.20
Dec-22	104.66
Jan-23	82.68
Feb-23	33.41
Mar-23	21.34
TOTAL	383.23

FY 2022-23 DATA

Apr-22	2.44
May-22	34.95
Oct-22	29.63
Nov-22	37.20
Dec-22	104.66
Jan-23	82.68
Feb-23	33.41
Mar-23	21.34
TOTAL	346.31
AVG	43.28826

FY 2022-23			
MONTH	PQC+WET	AVG PQC	WET COAL
Jun-22	33.55	43.29	0
Jul-22	3.17	43.29	0.00
Aug-22	0.00	43.29	0.00
Sep-22	0.20	43.29	0.00
TOTAL	36.923		0

Source: TGGENCO mail dated 19.05.2025





ANNEXURE-III: WET COAL GENERATION LOSS DATA FOR KTPS - V/VI/VII & BTPS

FY 2023-24 DATA

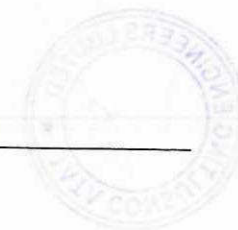
Apr-23	39.402
May-23	4.151
Jun-23	1.067
July-23	22.779
Aug-23	24.079
Sep-23	90.864
Oct-23	7.528
Nov-23	3.482
Dec-23	21.214
Jan-24	12.745
Feb-24	40.36
Mar-24	53.57
TOTAL	321.241

Apr-23	39.402
May-23	4.151
Oct-23	7.528
Nov-23	3.482
Dec-23	21.514
Jan-24	12.745
Feb-24	40.36
Mar-24	53.57
TOTAL	182.452
AVG	22.8065

<u>FY 2023-24</u>			
MONTH	PQC+WET	AVG PQC	WET COAL
Jun-22	1.067	22.81	0
Jul-22	22.779	22.81	0
Aug-22	24.079	22.81	1.2725
Sep-22	90.864	22.81	68.0575
TOTAL	138.789		69.33

Source: TGGENCO mail dated 19.05.2025





ANNEXURE-III: WET COAL GENERATION LOSS DATA FOR KTPS - V/VI/VII & BTPS

FY 2024-25 DATA

	15.606
Apr-24	
May-24	23.951
Jun-24	19.402
Jul-24	7.531
Aug-24	59.238
Sep-24	156.606
Oct-24	167.700
Nov-24	83.126
Dec-24	45.011
Jan-25	30.125

608.296

	15.606
Apr-24	
May-24	23.951
Oct-24	167.700
Nov-24	83.126
Dec-24	45.011
Jan-25	30.125
TOTAL	365.519
AVG	60.91983

FY 2024-25			
MONTH	PQC+WET	AVG PQC	WET COAL
Jun-24	19.402	60.92	0.000
Jul-24	7.531	60.92	0.000
Aug-24	59.238	60.92	0.000
Sep-24	156.606	60.92	95.686
TOTAL	242.777		95.686

Source: TGGENCO mail dated 19.05.2025





ANNEXURE-III: WET COAL GENERATION LOSS DATA FOR KTPS - V/VI/VII & BTPS

WET COAL GENERATION LOSS DATA(IN MU) FOR BTPS FOR 2021-25

Apr-21	130.034
May-21	126.5081
Jun-21	117.0308
Jul-21	126.3676
Aug-21	90.0037
Sep-21	111.5957
Oct-21	135.0275
Nov-21	57.644
Dec-21	109.141
Jan-22	95.4075
Feb-22	75.208
Mar-22	194.9515
	1368.92

Apr-21	130.034
May-21	126.5081
Oct-21	135.0275
Nov-21	57.644
Dec-21	109.141
Jan-22	95.4075
Feb-22	75.208
Mar-22	194.9515
TOTAL	923.92
AVG	115.4902

FY 2021-22

MONTH	PQC+WET	AVG PQC	WET COAL
Jun-21	117.0308	115.4902	1.54
Jul-21	126.3676	115.4902	10.88
Aug-21	90.0037	115.4902	0.00
Sep-21	111.5957	115.4902	0.00
TOTAL	444.9978		12.42

FY 2022-23 DATA

Apr-22	200.82
May-22	161.61
Jun-22	103.00
Jul-22	215.26
Aug-22	261.95
Sep-22	246.13
Oct-22	193.37
Nov-22	117.78
Dec-22	79.68
Jan-23	42.62
Feb-23	78.33
Mar-23	180.01
TOTAL	1880.56

Apr-22	200.82
May-22	161.61
Oct-22	193.37
Nov-22	117.78
Dec-22	79.68
Jan-23	42.62
Feb-23	78.33
Mar-23	180.01
TOTAL	1054.22
AVG	131.7774

FY 2022-23

MONTH	PQC+WET	AVG PQC	WET COAL
Jun-22	103.00	131.78	0
Jul-22	215.26	131.78	83.48
Aug-22	261.95	131.78	130.17
Sep-22	246.13	131.78	114.35
TOTAL	826.3385		328.0017625

Source: TGGENCO mail dated 19.05.2025



ANNEXURE-III: WET COAL GENERATION LOSS DATA FOR KTPS - V/VI/VII & BTPS

WET COAL GENERATION LOSS DATA(IN MU) FOR BTPS FOR 2021-25

FY 2023-24 DATA

Apr-23	156 5695
May-23	163 0544
Jun-23	141 1165
Jul-23	172 2551
Aug-23	166 8313
Sep-23	244 064
Oct-23	179 767
Nov-23	102 53355
Dec-23	139 3608
Jan-24	81 98
Feb-24	78 736
Mar-24	121 204
TOTAL	1747 47215

Apr-23	156 5695
May-23	163 0544
Oct-23	179 767
Nov-23	102 5335
Dec-23	139 3608
Jan-24	81 98
Feb-24	78 736
Mar-24	121 204
TOTAL	1023 205
AVG	127 9007

FY 2023-24			
MONTH	PQC+WET	AVG PQC	WET COAL
Jun-23	141 1165	127 9006563	13 21584375
Jul-23	172 2551	127 9006563	44 35444375
Aug-23	166 8313	127 9006563	38 93064375
Sep-23	244 064	127 9006563	116 1633438
TOTAL	724 2669		212 664275

FY 2024-25 DATA

Apr-24	134 835
May-24	122 612
Jun-24	113 267
Jul-24	106 223
Aug-24	145 180
Sep-24	162 614
Oct-24	152 828
Nov-24	42 904
Dec-24	49 376
Jan-25	85 995

1115 834

Apr-24	134 835
May-24	122 612
Oct-24	152 828
Nov-24	42 904
Dec-24	49 376
Jan-25	85 995
TOTAL	588 550
AVG	98.09161

FY 2024-25			
MONTH	PQC+WET	AVG PQC	WET COAL
Jun-24	113 267	98 092	15 175
Jul-24	106 223	98 092	8 131
Aug-24	145 180	98 092	47 088
Sep-24	162 614	98 092	64 522
TOTAL	527 28394		134 916

Source: TGGENCO mail dated 19.05.2025





ANNEXURE-IV





ANNEXURE-IV: LOSS OF GENERATION AND TRIPLING DETAILS



TELANGANA POWER GENERATION CORPORATION LIMITED
(A Govt. of Telangana State Undertaking)
BHADRADRI THERMAL POWER STATION (4 X 270 MW)

From,
The Chief Engineer/Construction,
B.T.P.S – MANUGURU,
Bhadradri Kothagudem (Dist.)
TELANGANA.

To
The Chief Engineer/Coal&Commercial,
R.No: 224, "A" Block,
TGGENCO, Vidyut Soudha,
Hyderabad-500 082.
TELANGANA.

Lr No: CE/Const./BTPS/DE/E&P/F.No: 6 Monthly Reports /D No: 150 / 24, Dt 05-09-2024

Sir,

Sub: TGGENCO - BTPS (4X270MW) - Monthly Back Down Report for the month of August-2024 – Furnished – Regarding.

The Backing down Generation Particulars of Unit-1, 2, 3 & 4 of BTPS (4X270MW) for the month of August- 2024 are here with furnished for information.

Encls: As above (4 sheets)


CHIEF ENGINEER/CONSTRUCTION
B.T.P.S : : MANUGURU

Copy Submitted to:

The Director /Thermal/TGGENCO/Vidyut Soudha/Hyderabad.

Copy to:

The Chief Engineer/SLDC /TGTRANSCO/Hyderabad.

The Chief Engineer/Generation /TGGENCO/Vidyut Soudha/Hyderabad.

Source: TGGENCO mail dated 19.05.2025





ANNEXURE-IV: LOSS OF GENERATION AND TRIPPLING DETAILS

TELANGANA POWER GENERATION CORPORATION
BHADRADRI THERMAL POWER STATION/MANUGURU

Statement of backing down the energy at the instance of SLDC's Despatch instructions (DI) August 2024

UNIT -1 // Back down for the month of August 2024

Sl. No	Date	Unit	SLDC'S Despatch Instructions (DI)							Actual compliance to DI by the Station							
			MIV		Hrs. Min		Duration in Hours	Load	Energy asked to be backed down (MU)	MIV		Hrs. Min		Duration in Hours	Load	Actual back down in MU	Non-Compliance (%)
			From	To	From	To				From	To	From	To				
1	01-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
2	02-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
3	03-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
4	04-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
5	05-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
6	06-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
7	07-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
8	08-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
9	09-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
10	10-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
11	11-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
12	12-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
13	13-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
14	14-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
15	15-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
16	16-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
17	17-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
18	18-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
19	19-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
20	20-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
21	21-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
22	22-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
23	23-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
24	24-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
25	25-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
26	26-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
27	27-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
28	28-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
29	29-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
30	30-08-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
Total									0.0000	Total						0.0000	

Source: TGGENCO mail dated 19.05.2025



ANNEXURE-IV: LOSS OF GENERATION AND TRIPLING DETAILS

UNIT -2 // Back down for the month of August 2024																	
SLDC'S Despatch Instructions (DI)										Actual compliance to DI by the Station							
Sl. No	Date	Unit	MW		Hrs. Min		Duration In Hours	Load	Energy asked to be backed down (MU)	MW		Hrs. Min		Duration in Hours	Load	Actual Back down in MU	Non-Compliance (%)
			From	To	From	To				From	To	From	To				
1	01-08-2024	2	185	136	02:00	18:20	16:20	49	0.8003	185	136	02:00	18:20	16:20	49	0.8003	Nil
2	02-08-2024	2	184	136	01:30	18:55	17:25	48	0.8360	184	136	01:30	18:55	17:25	48	0.8360	Nil
3	03-08-2024	2	195	136	00:30	18:00	17:30	59	1.0325	195	136	00:30	18:00	17:30	59	1.0325	Nil
4	04-08-2024	2	191	136	04:45	19:25	14:40	55	0.8067	191	136	04:45	19:25	14:40	55	0.8067	Nil
5	05-08-2024	2	200	136	03:25	05:25	02:00	64	0.1280	200	136	03:25	05:25	02:00	64	0.1280	Nil
6	05-08-2024	2	186	136	08:00	15:25	07:25	50	0.3708	186	136	08:00	15:25	07:25	50	0.3708	Nil
7	06-08-2024	2	170	136	07:00	08:15	01:15	34	0.0425	170	136	07:00	08:15	01:15	34	0.0425	Nil
8	06-08-2024	2	171	136	10:10	17:35	07:25	35	0.2596	171	136	10:10	17:35	07:25	35	0.2596	Nil
9	07-08-2024	2	179	136	02:05	09:50	07:45	43	0.3333	179	136	02:05	09:50	07:45	43	0.3333	Nil
10	07-08-2024	2	179	156	09:50	12:00	02:10	23	0.0498	179	156	09:50	12:00	02:10	23	0.0498	Nil
11	07-08-2024	2	179	136	12:00	17:15	05:15	43	0.2258	179	136	12:00	17:15	05:15	43	0.2258	Nil
12	07-08-2024	2	165	136	23:25	00:00	00:35	29	0.0169	165	136	23:25	00:00	00:35	29	0.0169	Nil
13	08-08-2024	2	165	136	00:00	06:10	06:10	29	0.1788	165	136	00:00	06:10	06:10	29	0.1788	Nil
14	08-08-2024	2	159	136	07:10	17:00	09:50	23	0.2262	159	136	07:10	17:00	09:50	23	0.2262	Nil
15	09-08-2024	2	177	136	07:45	14:25	06:40	41	0.2733	177	136	07:45	14:25	06:40	41	0.2733	Nil
16	09-08-2024	2	177	166	14:25	15:35	01:10	11	0.0128	177	166	14:25	15:35	01:10	11	0.0128	Nil
17	10-08-2024	2	188	136	01:50	03:40	01:50	52	0.0953	188	136	01:50	03:40	01:50	52	0.0953	Nil
18	10-08-2024	2	160	136	11:30	18:00	06:30	24	0.1560	160	136	11:30	18:00	06:30	24	0.1560	Nil
19	11-08-2024	2	162	136	02:10	18:40	16:30	26	0.4290	162	136	02:10	18:40	16:30	26	0.4290	Nil
20	12-08-2024	2	195	136	00:35	05:15	04:40	59	0.2753	195	136	00:35	05:15	04:40	59	0.2753	Nil
21	12-08-2024	2	196	136	06:05	16:35	10:30	60	0.6300	196	136	06:05	16:35	10:30	60	0.6300	Nil
22	13-08-2024	2	173	136	07:40	13:40	06:00	37	0.2220	173	136	07:40	13:40	06:00	37	0.2220	Nil
23	14-08-2024	2	205	194	17:05	17:25	00:20	11	0.0037	205	194	17:05	17:25	00:20	11	0.0037	Nil
24	15-08-2024	2	187	136	08:45	10:30	01:45	51	0.0893	187	136	08:45	10:30	01:45	51	0.0893	Nil
25	15-08-2024	2	187	156	10:30	12:20	01:50	31	0.0568	187	156	10:30	12:20	01:50	31	0.0568	Nil
26	15-08-2024	2	187	136	12:20	18:30	06:10	51	0.3145	187	136	12:20	18:30	06:10	51	0.3145	Nil
27	16-08-2024	2	191	136	00:55	03:35	02:40	55	0.1467	191	136	00:55	03:35	02:40	55	0.1467	Nil
28	16-08-2024	2	181	146	23:35	00:00	00:25	35	0.0146	181	146	23:35	00:00	00:25	35	0.0146	Nil
29	17-08-2024	2	181	146	00:00	00:50	00:50	35	0.0292	181	146	00:00	00:50	00:50	35	0.0292	Nil
30	17-08-2024	2	201	136	06:50	10:45	03:55	65	0.2546	201	136	06:50	10:45	03:55	65	0.2546	Nil
31	17-08-2024	2	204	136	12:15	16:05	03:50	68	0.2607	204	136	12:15	16:05	03:50	68	0.2607	Nil
32	18-08-2024	2	209	166	04:15	06:15	02:00	43	0.0860	209	166	04:15	06:15	02:00	43	0.0860	Nil
33	18-08-2024	2	213	136	07:00	15:55	08:55	77	0.6866	213	136	07:00	15:55	08:55	77	0.6866	Nil
34	18-08-2024	2	213	194	15:55	17:45	01:50	19	0.0348	213	194	15:55	17:45	01:50	19	0.0348	Nil
35	18-08-2024	2	213	166	17:45	18:25	00:40	47	0.0313	213	166	17:45	18:25	00:40	47	0.0313	Nil
36	19-08-2024	2	195	166	06:35	08:25	01:50	29	0.0532	195	166	06:35	08:25	01:50	29	0.0532	Nil
37	19-08-2024	2	195	184	08:25	09:30	01:05	11	0.0119	195	184	08:25	09:30	01:05	11	0.0119	Nil
38	19-08-2024	2	195	136	09:30	17:45	08:15	59	0.4868	195	136	09:30	17:45	08:15	59	0.4868	Nil
39	19-08-2024	2	185	136	22:55	00:00	01:05	49	0.0531	185	136	22:55	00:00	01:05	49	0.0531	Nil

Source: TGGENCO mail dated 19.05.2025





ANNEXURE-IV: LOSS OF GENERATION AND TRIPLING DETAILS

UNIT -2 // Back down for the month of August'2024																		
SLDC'S Despatch Instructions (DI)										Actual compliance to DI by the Station								
Sl. No	Date	Unit	MW		Hrs. Min		Duration In Hours	Load	Energy asked to be backed down (MU)	MW		Hrs. Min		Duration in Hours	Load	Actual back down in MU	Non-Compliance (%)	
			From	To	From	To				From	To							
40	20-08-2024	2	186	136	00:00	14:30	14:30	50	0.7250	186	136	00:00	14:30	14:30	50	0.7250	Nil	
41	21-08-2024	2	178	136	07:20	15:05	07:45	42	0.3255	178	136	07:20	15:05	07:45	42	0.3255	Nil	
42	22-08-2024	2	193	136	07:50	15:05	07:15	57	0.4133	193	136	07:50	15:05	07:15	57	0.4133	Nil	
43	23-08-2024	2	185	136	08:20	10:40	02:20	49	0.1143	185	136	08:20	10:40	02:20	49	0.1143	Nil	
44	23-08-2024	2	172	136	12:05	16:40	04:35	36	0.1650	172	136	12:05	16:40	04:35	36	0.1650	Nil	
45	24-08-2024	2	200	136	07:40	20:50	13:10	64	0.8427	200	136	07:40	20:50	13:10	64	0.8427	Nil	
46	24-08-2024	2	196	136	22:20	00:00	01:40	60	0.1000	196	136	22:20	00:00	01:40	60	0.1000	Nil	
47	25-08-2024	2	196	136	00:00	20:40	20:40	60	1.2400	196	136	00:00	20:40	20:40	60	1.2400	Nil	
48	25-08-2024	2	176	136	22:20	00:00	01:40	40	0.0667	176	136	22:20	00:00	01:40	40	0.0667	Nil	
49	26-08-2024	2	176	136	00:00	05:45	05:45	40	0.2300	176	136	00:00	05:45	05:45	40	0.2300	Nil	
50	26-08-2024	2	177	136	07:05	19:00	11:55	41	0.4886	177	136	07:05	19:00	11:55	41	0.4886	Nil	
51	27-08-2024	2	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil	
52	28-08-2024	2	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil	
53	29-08-2024	2	177	135	03:00	06:20	03:20	42	0.1400	177	135	03:00	06:20	03:20	42	0.1400	Nil	
54	29-08-2024	2	177	135	08:10	16:45	08:35	42	0.3605	177	135	08:10	16:45	08:35	42	0.3605	Nil	
55	30-08-2024	2	174	136	01:35	05:05	03:30	38	0.1330	174	136	01:35	05:05	03:30	38	0.1330	Nil	
56	30-08-2024	2	172	136	07:40	17:30	09:50	36	0.3540	172	136	07:40	17:30	09:50	36	0.3540	Nil	
57	31-08-2024	2	176	136	07:50	15:55	08:05	40	0.3233	176	136	07:50	15:55	08:05	40	0.3233	Nil	
58	31-08-2024	2	173	156	21:50	00:00	02:10	17	0.0368	173	156	21:50	00:00	02:10	17	0.0368	Nil	
Total									16.0733								16.0733	

Source: TGGENCO mail dated 19.05.2025



ANNEXURE-IV: LOSS OF GENERATION AND TRIPLING DETAILS

UNIT -3 // Back down for the month of August-2024																	
SLDC'S Despatch Instructions (DI)										Actual compliance to DI by the Station							
Sl. No	Date	Unit	MW		Hrs. Min		Duration in Hours	Load	Energy asked to be backed down (MU)	MW		Hrs. Min		Duration in Hours	Load	Actual back down in MU	Non-Compliance (%)
			From	To	From	To				From	To	From	To				
1	01-08-2024	3	185	136	02:00	18:20	16:20	49	0.8003	185	136	02:00	18:20	16:20	49	0.8003	Nil
2	02-08-2024	3	184	136	01:30	18:55	17:25	48	0.8360	184	136	01:30	18:55	17:25	48	0.8360	Nil
3	03-08-2024	3	194	136	00:30	18:00	17:30	58	1.0150	194	136	00:30	18:00	17:30	58	1.0150	Nil
4	04-08-2024	3	192	136	04:45	19:25	14:40	56	0.8213	192	136	04:45	19:25	14:40	56	0.8213	Nil
5	05-08-2024	3	200	136	03:25	05:25	02:00	64	0.1280	200	136	03:25	05:25	02:00	64	0.1280	Nil
6	05-08-2024	3	185	136	08:00	15:25	07:25	49	0.3634	185	136	08:00	15:25	07:25	49	0.3634	Nil
7	06-08-2024	3	171	136	07:00	08:15	01:15	35	0.0438	171	136	07:00	08:15	01:15	35	0.0438	Nil
8	06-08-2024	3	171	136	10:10	17:35	07:25	35	0.2596	171	136	10:10	17:35	07:25	35	0.2596	Nil
9	07-08-2024	3	180	136	02:05	09:50	07:45	44	0.3410	180	136	02:05	09:50	07:45	44	0.3410	Nil
10	07-08-2024	3	180	157	09:50	12:00	02:10	23	0.0498	180	157	09:50	12:00	02:10	23	0.0498	Nil
11	07-08-2024	3	180	136	12:00	17:15	05:15	44	0.2310	180	136	12:00	17:15	05:15	44	0.2310	Nil
12	07-08-2024	3	164	136	23:25	00:00	00:35	28	0.0163	164	136	23:25	00:00	00:35	28	0.0163	Nil
13	08-08-2024	3	164	136	00:00	06:10	06:10	28	0.1727	164	136	00:00	06:10	06:10	28	0.1727	Nil
14	08-08-2024	3	158	136	07:10	17:00	09:50	22	0.2163	158	136	07:10	17:00	09:50	22	0.2163	Nil
15	09-08-2024	3	178	136	07:45	14:25	06:40	42	0.2800	178	136	07:45	14:25	06:40	42	0.2800	Nil
16	09-08-2024	3	178	167	14:25	15:35	01:10	11	0.0128	178	167	14:25	15:35	01:10	11	0.0128	Nil
17	10-08-2024	3	188	136	01:50	03:40	01:50	52	0.0953	188	136	01:50	03:40	01:50	52	0.0953	Nil
18	10-08-2024	3	160	136	11:30	18:00	06:30	24	0.1560	160	136	11:30	18:00	06:30	24	0.1560	Nil
19	11-08-2024	3	162	136	02:10	18:40	16:30	26	0.4290	162	136	02:10	18:40	16:30	26	0.4290	Nil
20	12-08-2024	3	196	136	00:35	05:15	04:40	60	0.2800	196	136	00:35	05:15	04:40	60	0.2800	Nil
21	12-08-2024	3	196	136	06:05	16:35	10:30	60	0.6300	196	136	06:05	16:35	10:30	60	0.6300	Nil
22	13-08-2024	3	174	136	07:40	13:40	06:00	38	0.2280	174	136	07:40	13:40	06:00	38	0.2280	Nil
23	14-08-2024	3	205	193	17:05	17:25	00:20	12	0.0040	205	193	17:05	17:25	00:20	12	0.0040	Nil
24	15-08-2024	3	188	136	08:45	10:30	01:45	52	0.0910	188	136	08:45	10:30	01:45	52	0.0910	Nil
25	15-08-2024	3	188	157	10:30	12:20	01:50	31	0.0568	188	157	10:30	12:20	01:50	31	0.0568	Nil
26	15-08-2024	3	188	136	12:20	18:30	06:10	52	0.3207	188	136	12:20	18:30	06:10	52	0.3207	Nil
27	16-08-2024	3	191	136	00:55	03:35	02:40	55	0.1467	191	136	00:55	03:35	02:40	55	0.1467	Nil
28	16-08-2024	3	181	147	23:35	00:00	00:25	34	0.0142	181	147	23:35	00:00	00:25	34	0.0142	Nil
29	17-08-2024	3	181	147	00:00	00:50	00:50	34	0.0283	181	147	00:00	00:50	00:50	34	0.0283	Nil
30	17-08-2024	3	202	136	06:50	10:45	03:55	66	0.2585	202	136	06:50	10:45	03:55	66	0.2585	Nil
31	17-08-2024	3	203	136	12:15	16:05	03:50	67	0.2568	203	136	12:15	16:05	03:50	67	0.2568	Nil
32	18-08-2024	3	208	167	04:15	06:15	02:00	41	0.0820	208	167	04:15	06:15	02:00	41	0.0820	Nil
33	18-08-2024	3	212	136	07:00	15:55	08:55	76	0.6777	212	136	07:00	15:55	08:55	76	0.6777	Nil
34	18-08-2024	3	212	193	15:55	17:45	01:50	19	0.0348	212	193	15:55	17:45	01:50	19	0.0348	Nil
35	18-08-2024	3	212	167	17:45	18:25	00:40	45	0.0300	212	167	17:45	18:25	00:40	45	0.0300	Nil
36	19-08-2024	3	195	167	06:35	08:25	01:50	28	0.0513	195	167	06:35	08:25	01:50	28	0.0513	Nil
37	19-08-2024	3	195	183	08:25	09:30	01:05	12	0.0130	195	183	08:25	09:30	01:05	12	0.0130	Nil
38	19-08-2024	3	195	136	09:30	17:45	08:15	59	0.4868	195	136	09:30	17:45	08:15	59	0.4868	Nil
39	19-08-2024	3	186	136	22:55	00:00	01:05	50	0.0542	186	136	22:55	00:00	01:05	50	0.0542	Nil

Source: TGGenco mail dated 19.05.2025





ANNEXURE-IV: LOSS OF GENERATION AND TRIPLING DETAILS

UNIT -3 // Back down for the month of August'-2024																	
SLDC'S Despatch Instructions (DI)										Actual compliance to DI by the Station							
Sl. No	Date	Unit	MW		Hrs. Min		Duration In Hours	Load	Energy asked to be backed down (MU)	MW		Hrs. Min		Duration in Hours	Load	Actual back down in MU	Non- Compliance (%)
			From	To	From	To				From	To	From	To				
40	20-08-2024	3	185	136	00:00	14:30	14:30	49	0.7105	185	136	00:00	14:30	14:30	49	0.7105	Nil
41	21-08-2024	3	177	136	07:20	15:05	07:45	41	0.3178	177	136	07:20	15:05	07:45	41	0.3178	Nil
42	22-08-2024	3	192	136	07:50	15:05	07:15	56	0.4060	192	136	07:50	15:05	07:15	56	0.4060	Nil
43	23-08-2024	3	186	136	08:20	10:40	02:20	50	0.1167	186	136	08:20	10:40	02:20	50	0.1167	Nil
44	23-08-2024	3	172	136	12:05	16:40	04:35	36	0.1650	172	136	12:05	16:40	04:35	36	0.1650	Nil
45	24-08-2024	3	200	136	07:40	20:50	13:10	64	0.8427	200	136	07:40	20:50	13:10	64	0.8427	Nil
46	24-08-2024	3	196	136	22:20	00:00	01:40	60	0.1000	196	136	22:20	00:00	01:40	60	0.1000	Nil
47	25-08-2024	3	196	136	00:00	20:40	20:40	60	1.2400	196	136	00:00	20:40	20:40	60	1.2400	Nil
48	25-08-2024	3	177	136	22:20	00:00	01:40	41	0.0683	177	136	22:20	00:00	01:40	41	0.0683	Nil
49	26-08-2024	3	177	136	00:00	05:45	05:45	41	0.2358	177	136	00:00	05:45	05:45	41	0.2358	Nil
50	26-08-2024	3	178	136	07:05	19:00	11:55	42	0.5005	178	136	07:05	19:00	11:55	42	0.5005	Nil
51	26-08-2024	3	190	136	23:20	00:00	00:40	54	0.0360	190	136	23:20	00:00	00:40	54	0.0360	Nil
52	27-08-2024	3	190	136	00:00	06:15	06:15	54	0.3375	190	136	00:00	06:15	06:15	54	0.3375	Nil
53	27-08-2024	3	179	136	08:15	18:30	10:15	43	0.4408	179	136	08:15	18:30	10:15	43	0.4408	Nil
54	28-08-2024	3	179	135	00:35	16:40	16:05	44	0.7077	179	135	00:35	16:40	16:05	44	0.7077	Nil
55	29-08-2024	3	177	136	03:00	06:20	03:20	41	0.1367	177	136	03:00	06:20	03:20	41	0.1367	Nil
56	29-08-2024	3	177	136	08:10	16:45	08:35	41	0.3519	177	136	08:10	16:45	08:35	41	0.3519	Nil
57	30-08-2024	3	174	136	01:35	05:05	03:30	38	0.1330	174	136	01:35	05:05	03:30	38	0.1330	Nil
58	30-08-2024	3	173	136	07:40	17:30	09:50	37	0.3638	173	136	07:40	17:30	09:50	37	0.3638	Nil
59	31-08-2024	3	177	136	07:50	15:55	08:05	41	0.3314	177	136	07:50	15:55	08:05	41	0.3314	Nil
60	31-08-2024	3	173	157	21:50	00:00	02:10	16	0.0347	173	157	21:50	00:00	02:10	16	0.0347	Nil
Total									17.5891	Total						17.5891	

Source: TGGenco mail dated 19.05.2025



ANNEXURE-IV: LOSS OF GENERATION AND TRIPLING DETAILS

UNIT -4 // Back down for the month of August' -2024																
Sl. No	Date	Unit	SLDC'S Despatch Instructions (DI)							Actual compliance to DI by the Station						
			MW		Hrs. Min		Duration In Hours	Load	Energy asked to be backed down (MU)	MW		Hrs. Min		Duration in Hours	Load	Actual back down In MU
			From	To	From	To				From	To	From	To			
1	01-08-2024	4	185	136	02:00	18:20	16.20	49	0.8003	185	136	02:00	18:20	16.20	49	0.8003
2	02-08-2024	4	184	136	01:30	18:55	17.25	48	0.8360	184	136	01:30	18:55	17.25	48	0.8360
3	03-08-2024	4	194	136	00:30	18:00	17.30	58	1.0150	194	136	00:30	18:00	17.30	58	1.0150
4	04-08-2024	4	192	136	04:45	19:25	14.40	56	0.8213	192	136	04:45	19:25	14.40	56	0.8213
5	05-08-2024	4	200	136	03:25	05:25	02:00	64	0.1280	200	136	03:25	05:25	02:00	64	0.1280
6	05-08-2024	4	185	136	08:00	15:25	07:25	49	0.3634	185	136	08:00	15:25	07:25	49	0.3634
7	06-08-2024	4	171	136	07:00	08:15	01:15	35	0.0438	171	136	07:00	08:15	01:15	35	0.0438
8	06-08-2024	4	171	136	10:10	17:35	07:25	35	0.2596	171	136	10:10	17:35	07:25	35	0.2596
9	07-08-2024	4	180	136	02:05	09:50	07:45	44	0.3410	180	136	02:05	09:50	07:45	44	0.3410
10	07-08-2024	4	180	157	09:50	12:00	02:10	23	0.0498	180	157	09:50	12:00	02:10	23	0.0498
11	07-08-2024	4	180	136	12:00	17:15	05:15	44	0.2310	180	136	12:00	17:15	05:15	44	0.2310
12	07-08-2024	4	164	136	23:25	00:00	00:35	28	0.0163	164	136	23:25	00:00	00:35	28	0.0163
13	08-08-2024	4	164	136	00:00	06:10	06:10	28	0.1727	164	136	00:00	06:10	06:10	28	0.1727
14	08-08-2024	4	158	136	07:10	17:00	09:50	22	0.2163	158	136	07:10	17:00	09:50	22	0.2163
15	09-08-2024	4	178	136	07:45	14:25	06:40	42	0.2800	178	136	07:45	14:25	06:40	42	0.2800
16	09-08-2024	4	178	167	14:25	15:35	01:10	11	0.0128	178	167	14:25	15:35	01:10	11	0.0128
17	10-08-2024	4	188	136	01:50	03:40	01:50	52	0.0953	188	136	01:50	03:40	01:50	52	0.0953
18	10-08-2024	4	160	136	11:30	18:00	06:30	24	0.1560	160	136	11:30	18:00	06:30	24	0.1560
19	11-08-2024	4	162	136	02:10	18:40	16:30	26	0.4290	162	136	02:10	18:40	16:30	26	0.4290
20	12-08-2024	4	196	136	00:35	05:15	04:40	60	0.2800	196	136	00:35	05:15	04:40	60	0.2800
21	12-08-2024	4	196	136	06:05	16:35	10:30	60	0.6300	196	136	06:05	16:35	10:30	60	0.6300
22	13-08-2024	4	174	136	07:40	13:40	06:00	38	0.2280	174	136	07:40	13:40	06:00	38	0.2280
23	14-08-2024	4	205	193	17:05	17:25	00:20	12	0.0040	205	193	17:05	17:25	00:20	12	0.0040
24	15-08-2024	4	188	136	08:45	10:30	01:45	52	0.0910	188	136	08:45	10:30	01:45	52	0.0910
25	15-08-2024	4	188	157	10:30	12:20	01:50	31	0.0568	188	157	10:30	12:20	01:50	31	0.0568
26	15-08-2024	4	188	136	12:20	18:30	06:10	52	0.3207	188	136	12:20	18:30	06:10	52	0.3207
27	16-08-2024	4	191	136	00:55	03:35	02:40	55	0.1467	191	136	00:55	03:35	02:40	55	0.1467
28	16-08-2024	4	181	147	23:35	00:00	00:25	34	0.0142	181	147	23:35	00:00	00:25	34	0.0142
29	17-08-2024	4	181	147	00:00	00:50	00:50	34	0.0283	181	147	00:00	00:50	00:50	34	0.0283
30	17-08-2024	4	202	136	06:50	10:45	03:55	66	0.2585	202	136	06:50	10:45	03:55	66	0.2585
31	17-08-2024	4	203	136	12:15	16:05	03:50	67	0.2568	203	136	12:15	16:05	03:50	67	0.2568
32	18-08-2024	4	208	167	04:15	06:15	02:00	41	0.0820	208	167	04:15	06:15	02:00	41	0.0820
33	18-08-2024	4	212	136	07:00	15:55	08:55	76	0.6777	212	136	07:00	15:55	08:55	76	0.6777
34	18-08-2024	4	212	193	15:55	17:45	01:50	19	0.0348	212	193	15:55	17:45	01:50	19	0.0348
35	18-08-2024	4	212	167	17:45	18:25	00:40	45	0.0300	212	167	17:45	18:25	00:40	45	0.0300
36	19-08-2024	4	195	167	06:35	08:25	01:50	28	0.0513	195	167	06:35	08:25	01:50	28	0.0513
37	19-08-2024	4	195	183	08:25	09:30	01:05	12	0.0130	195	183	08:25	09:30	01:05	12	0.0130
38	19-08-2024	4	195	136	09:30	17:45	08:15	59	0.4868	195	136	09:30	17:45	08:15	59	0.4868
39	19-08-2024	4	186	136	22:55	00:00	01:05	50	0.0542	186	136	22:55	00:00	01:05	50	0.0542

Source: TGGENCO mail dated 19.05.2025





ANNEXURE-IV: LOSS OF GENERATION AND TRIPLING DETAILS

UNIT -4 // Back down for the month of August' -2024																		
SLDC'S Despatch Instructions (DI)										Actual compliance to DI by the Station								
Sl. No	Date	Unit	MW		Hrs. Min		Duration In Hours	Load	Energy asked to be backed down (MU)	MW		Hrs. Min		Duration in Hours	Load	Actual back down In MU	Non-Compliance (%)	
			From	To	From	To				From	To	From	To					
40	20-08-2024	4	186	136	00:00	14:30	14:30	50	0.7250	186	136	00:00	14:30	14:30	50	0.7250	Nil	
41	21-08-2024	4	177	136	07:20	15:05	07:45	41	0.3178	177	136	07:20	15:05	07:45	41	0.3178	Nil	
42	22-08-2024	4	192	136	07:50	15:05	07:15	56	0.4060	192	136	07:50	15:05	07:15	56	0.4060	Nil	
43	23-08-2024	4	186	136	08:20	10:33	02:13	50	0.1108	186	136	08:20	10:33	02:13	50	0.1108	Nil	
44	24-08-2024	4	200	136	07:40	20:50	13:10	64	0.8427	200	136	07:40	20:50	13:10	64	0.8427	Nil	
45	24-08-2024	4	196	136	22:20	00:00	01:40	60	0.1000	196	136	22:20	00:00	01:40	60	0.1000	Nil	
46	25-08-2024	4	196	136	00:00	20:40	20:40	60	1.2400	196	136	00:00	20:40	20:40	60	1.2400	Nil	
47	25-08-2024	4	177	136	22:20	00:00	01:40	41	0.0683	177	136	22:20	00:00	01:40	41	0.0683	Nil	
48	26-08-2024	4	177	136	00:00	05:45	05:45	41	0.2358	177	136	00:00	05:45	05:45	41	0.2358	Nil	
49	26-08-2024	4	178	136	07:05	19:00	11:55	42	0.5005	178	136	07:05	19:00	11:55	42	0.5005	Nil	
50	26-08-2024	4	191	136	23:20	00:00	00:40	55	0.0367	191	136	23:20	00:00	00:40	55	0.0367	Nil	
51	27-08-2024	4	191	136	00:00	06:15	06:15	55	0.3438	191	136	00:00	06:15	06:15	55	0.3438	Nil	
52	27-08-2024	4	179	136	08:15	18:30	10:15	43	0.4408	179	136	08:15	18:30	10:15	43	0.4408	Nil	
53	28-08-2024	4	179	136	00:35	16:40	16:05	43	0.6916	179	136	00:35	16:40	16:05	43	0.6916	Nil	
54	29-08-2024	4	180	136	10:50	16:45	05:55	44	0.2603	180	136	10:50	16:45	05:55	44	0.2603	Nil	
55	30-08-2024	4	174	136	01:35	05:05	03:30	38	0.1330	174	136	01:35	05:05	03:30	38	0.1330	Nil	
56	30-08-2024	4	173	136	07:40	17:30	09:50	37	0.3638	173	136	07:40	17:30	09:50	37	0.3638	Nil	
57	31-08-2024	4	177	136	07:50	15:55	08:05	41	0.3314	177	136	07:50	15:55	08:05	41	0.3314	Nil	
58	31-08-2024	4	173	157	21:50	00:00	02:10	16	0.0347	173	157	21:50	00:00	02:10	16	0.0347	Nil	
			Total						17.1953		Total						17.1953	

Unit No	Unit 1	Unit 2	Unit 3	Unit 4	Total
Energy Back down in MU	0.0000	16.0733	17.5891	17.1953	50.8576
Reserve Shut down in MU	0.0000	0.0000	0.0000	0.0000	0.0000


 CHIEF ENGINEER/CONSTRUCTION
 BTPS :: MANUGURU

Note:- Unit-1 is under AOH

Source: TGGENCO mail dated 19.05.2025



ANNEXURE-IV: LOSS OF GENERATION AND TRIPLING DETAILS



TELANGANA POWER GENERATION CORPORATION LIMITED
(A Govt. of Telangana State Undertaking)
BHADRADRI THERMAL POWER STATION (4 X 270 MW)

From,
The Chief Engineer/Construction,
B.T.P.S – MANUGURU,
Bhadradri Kothagudem (Dist.)
TELANGANA.

To
The Chief Engineer/Coal&Commercial,
R.No: 224, "A" Block,
TGGENCO, Vidyut Soudha,
Hyderabad-500 082.
TELANGANA.

Lr No: CE/Const/BTPS/DE/E&P/F No. 6 Monthly Reports /D No. 268 / 24, Dt 05.10.2024

Sir,

Sub: TGGENCO - BTPS (4X270MW) - Monthly Back Down Report for the month of September-2024 – Furnished – Regarding.

The Backing down Generation Particulars of Unit-1, 2, 3 & 4 of BTPS (4X270MW) for the month of September - 2024 are here with furnished for information.

Encls: As above (4 sheets)


CHIEF ENGINEER/CONSTRUCTION
B.T.P.S :: MANUGURU

Copy Submitted to:

The Director /Thermal/TGGENCO/Vidyut Soudha/Hyderabad.

Copy to:

The Chief Engineer/SLDC /TGTRANSCO/Hyderabad.

The Chief Engineer/Generation /TGGENCO/Vidyut Soudha/Hyderabad.

Source: TGGENCO mail dated 19.05.2025





ANNEXURE-IV: LOSS OF GENERATION AND TRIPPLING DETAILS

TELANGANA POWER GENERATION CORPORATION
BHADRADRI THERMAL POWER STATION/MANUGURU
Statement of backing down the energy at the instance of SLDC's Despatch instructions (DI) September 2024
UNIT -1 // Back down for the month of September 2024

SLDC's Despatch Instructions (DI)										Actual compliance to DI By the Station							
S. No	Date	Unit	MBV		Hrs. Min		Duration in Hours	Load	Energy asked to be backed down (MU)	MBV		Hrs. Min		Duration in Hours	Load	Actual back down in MU	Non Complian. (%)
			From	To	From	To				From	To						
1	01-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
2	02-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
3	03-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
4	04-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
5	05-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
6	06-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
7	07-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
8	08-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
9	09-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
10	10-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
11	11-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
12	12-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
13	13-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
14	14-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
15	15-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
16	16-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
17	17-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
18	18-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
19	19-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
20	20-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
21	21-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
22	22-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
23	23-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
24	24-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
25	25-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
26	26-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
27	27-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
28	28-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
29	29-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
30	30-09-2024	1	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NJ
			Total							Total							0.0000

Source: TGGENCO mail dated 19.05.2025



ANNEXURE-IV: LOSS OF GENERATION AND TRIPLING DETAILS

UNIT -2 // Back down for the month of September 2024																	
SLDC'S Despatch Instructions (DI)										Actual compliance to DI by the Station							
Sl. No	Date	Unit	MW		Hrs. Min		Duration In Hours	Load	Energy asked to be backed down (MU)	MW		Hrs. Min		Duration in Hours	Load	Actual back down in MU	Non-Compliance (%)
			From	To	From	To				From	To	From	To				
1	01-09-2024	2	173	156	00:00	01:50	01:50	17	0.0312	173	156	00:00	01:50	01:50	17	0.0312	Nil
2	01-09-2024	2	173	136	01:50	06:50	05:00	37	0.1850	173	136	01:50	06:50	05:00	37	0.1850	Nil
3	01-09-2024	2	174	136	08:20	17:25	09:05	38	0.3452	174	136	08:20	17:25	09:05	38	0.3452	Nil
4	01-09-2024	2	166	136	20:55	00:00	03:05	30	0.0925	166	136	20:55	00:00	03:05	30	0.0925	Nil
5	02-09-2024	2	166	136	00:00	05:30	05:30	30	0.1650	166	136	00:00	05:30	05:30	30	0.1650	Nil
6	02-09-2024	2	166	135	08:35	18:40	10:05	31	0.3126	166	135	08:35	18:40	10:05	31	0.3126	Nil
7	02-09-2024	2	156	136	23:00	00:00	01:00	20	0.0200	156	136	23:00	00:00	01:00	20	0.0200	Nil
8	03-09-2024	2	156	136	00:00	06:15	06:15	20	0.1250	156	136	00:00	06:15	06:15	20	0.1250	Nil
9	03-09-2024	2	153	133	08:05	18:30	10:25	20	0.2083	153	133	08:05	18:30	10:25	20	0.2083	Nil
10	03-09-2024	2	159	136	23:45	00:00	00:15	23	0.0057	159	136	23:45	00:00	00:15	23	0.0057	Nil
11	04-09-2024	2	159	136	00:00	07:10	07:10	23	0.1648	159	136	00:00	07:10	07:10	23	0.1648	Nil
12	04-09-2024	2	160	136	08:30	14:15	05:45	24	0.1380	160	136	08:30	14:15	05:45	24	0.1380	Nil
13	04-09-2024	2	160	136	15:55	18:50	02:55	24	0.0700	160	136	15:55	18:50	02:55	24	0.0700	Nil
14	04-09-2024	2	167	136	22:45	00:00	01:15	31	0.03875	167	136	22:45	00:00	01:15	31	0.0388	Nil
15	05-09-2024	2	167	137	00:00	17:10	17:10	30	0.5150	167	137	00:00	17:10	17:10	30	0.5150	Nil
16	05-09-2024	2	170	135	23:25	00:00	00:35	35	0.0204	170	135	23:25	00:00	00:35	35	0.0204	Nil
17	06-09-2024	2	170	135	00:00	18:20	18:20	35	0.6417	170	135	00:00	18:20	18:20	35	0.6417	Nil
18	06-09-2024	2	142	136	23:30	00:00	00:30	6	0.0030	142	136	23:30	00:00	00:30	6	0.0030	Nil
19	07-09-2024	2	142	136	04:00	18:15	14:15	6	0.0855	142	136	04:00	18:15	14:15	6	0.0855	Nil
20	07-09-2024	2	170	136	23:45	00:00	00:15	34	0.0085	170	136	23:45	00:00	00:15	34	0.0085	Nil
21	08-09-2024	2	170	136	00:00	09:10	09:10	34	0.3117	170	136	00:00	09:10	09:10	34	0.3117	Nil
22	08-09-2024	2	170	150	09:10	10:10	01:00	20	0.0200	170	150	09:10	10:10	01:00	20	0.0200	Nil
23	08-09-2024	2	170	136	10:10	19:00	08:50	34	0.3003	170	136	10:10	19:00	08:50	34	0.3003	Nil
24	08-09-2024	2	181	135	23:45	00:00	00:15	46	0.0115	181	135	23:45	00:00	00:15	46	0.0115	Nil
25	09-09-2024	2	181	135	00:00	17:50	17:50	46	0.8203	181	135	00:00	17:50	17:50	46	0.8203	Nil
26	10-09-2024	2	189	135	01:55	09:30	07:35	54	0.4095	189	135	01:55	09:30	07:35	54	0.4095	Nil
27	10-09-2024	2	146	136	13:10	18:05	04:55	10	0.0492	146	136	13:10	18:05	04:55	10	0.0492	Nil
28	11-09-2024	2	155	136	00:15	06:20	06:05	19	0.1158	155	136	00:15	06:20	06:05	19	0.1158	Nil
29	11-09-2024	2	154	150	06:20	06:50	00:30	4	0.00200	154	150	06:20	06:50	00:30	4	0.0020	Nil
30	11-09-2024	2	230	175	06:50	07:20	00:30	55	0.02750	230	175	06:50	07:20	00:30	55	0.0275	Nil
31	11-09-2024	2	230	175	07:20	18:35	11:15	55	0.61875	230	175	07:20	18:35	11:15	55	0.6188	Nil
32	12-09-2024	2	162	136	00:05	17:00	16:55	26	0.4398	162	136	00:05	17:00	16:55	26	0.4398	Nil
33	12-09-2024	2	166	140	19:45	20:30	00:45	26	0.0195	166	140	19:45	20:30	00:45	26	0.0195	Nil
34	13-09-2024	2	177	136	00:40	20:10	19:30	41	0.7995	177	136	00:40	20:10	19:30	41	0.7995	Nil
35	13-09-2024	2	152	136	23:10	00:00	00:50	16	0.0133	152	136	23:10	00:00	00:50	16	0.0133	Nil
36	14-09-2024	2	151	136	00:00	18:00	18:00	15	0.2700	151	136	00:00	18:00	18:00	15	0.2700	Nil
37	14-09-2024	2	144	136	22:30	00:00	01:30	8	0.0120	144	136	22:30	00:00	01:30	8	0.0120	Nil
38	15-09-2024	2	144	136	00:00	18:00	18:00	8	0.1440	144	136	00:00	18:00	18:00	8	0.1440	Nil
39	15-09-2024	2	172	136	20:15	00:00	03:45	36	0.1350	172	136	20:15	00:00	03:45	36	0.1350	Nil
40	16-09-2024	2	173	136	00:00	15:50	15:50	37	0.5858	173	136	00:00	15:50	15:50	37	0.5858	Nil
41	17-09-2024	2	160	136	01:05	05:25	04:20	24	0.1040	160	136	01:05	05:25	04:20	24	0.1040	Nil
42	17-09-2024	2	162	136	08:00	16:35	08:35	26	0.2232	162	136	08:00	16:35	08:35	26	0.2232	Nil
43	17-09-2024	2	168	135	23:25	00:00	00:35	33	0.0192	168	135	23:25	00:00	00:35	33	0.0192	Nil

Source: TGGenco mail dated 19.05.2025



ANNEXURE-IV: LOSS OF GENERATION AND TRIPLING DETAILS

SLDC'S Despatch Instructions (DI)										Actual compliance to DI by the Station							
Sl. No	Date	Unit	MW		Hrs. Min		Duration In Hours	Load	Energy asked to be backed down (MU)	MW		Hrs. Min		Duration in Hours	Load	Actual back down In MU	Non-Compliance (%)
			From	To	From	To				From	To						
44	18-09-2024	2	188	135	00:00	04:45	04:45	33	0.1568	188	135	00:00	04:45	04:45	23	0.1568	NH
45	18-09-2024	2	185	136	08:00	14:30	06:30	49	0.3185	185	136	08:00	14:30	06:30	49	0.3185	NH
46	19-09-2024	2	164	136	02:00	05:25	03:25	28	0.0957	164	136	02:00	05:25	03:25	28	0.0957	NH
47	19-09-2024	2	161	136	08:55	16:30	07:35	25	0.1896	161	136	08:55	16:30	07:35	25	0.1896	NH
48	20-09-2024	2	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NH
49	21-09-2024	2	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	NH
50	22-09-2024	2	191	136	06:15	14:30	08:15	55	0.4538	191	136	06:15	14:30	08:15	55	0.4538	NH
51	23-09-2024	2	189	136	09:10	12:45	03:35	53	0.1899	189	136	09:10	12:45	03:35	53	0.1899	NH
52	24-09-2024	2	161	136	08:05	14:05	06:00	25	0.1500	161	136	08:05	14:05	06:00	25	0.1500	NH
53	24-09-2024	2	165	146	16:20	16:45	00:25	19	0.0079	165	146	16:20	16:45	00:25	19	0.0079	NH
54	25-09-2024	2	186	136	08:10	16:50	08:40	50	0.4333	186	136	08:10	16:50	08:40	50	0.4333	NH
55	26-09-2024	2	170	135	03:30	18:30	15:00	35	0.5250	170	135	03:30	18:30	15:00	35	0.5250	NH
56	26-09-2024	2	186	136	22:35	00:00	01:25	50	0.0708	186	136	22:35	00:00	01:25	50	0.0708	NH
57	27-09-2024	2	184	136	01:00	18:30	17:30	48	0.8400	184	136	01:00	18:30	17:30	48	0.8400	NH
58	27-09-2024	2	147	136	21:55	00:00	02:05	11	0.0229	147	136	21:55	00:00	02:05	11	0.0229	NH
59	28-09-2024	2	148	136	00:00	06:00	06:00	12	0.0720	148	136	00:00	06:00	06:00	12	0.0720	NH
60	28-09-2024	2	152	136	07:25	17:25	10:00	16	0.1600	152	136	07:25	17:25	10:00	16	0.1600	NH
61	28-09-2024	2	180	136	22:05	00:00	01:55	44	0.0843	180	136	22:05	00:00	01:55	44	0.0843	NH
62	29-09-2024	2	180	136	00:00	00:15	00:15	44	0.0110	180	136	00:00	00:15	00:15	44	0.0110	NH
63	29-09-2024	2	180	136	01:15	17:55	16:40	44	0.7333	180	136	01:15	17:55	16:40	44	0.7333	NH
64	30-09-2024	2	194	136	00:05	06:15	06:10	58	0.3577	194	136	00:05	06:15	06:10	58	0.3577	NH
65	30-09-2024	2	188	135	07:55	16:30	08:35	53	0.4549	188	135	07:55	16:30	08:35	53	0.4549	NH
Total									13.9553								13.9553

Source: TGGENCO mail dated 19.05.2025

ANNEXURE-IV: LOSS OF GENERATION AND TRIPLING DETAILS

UNIT -3 // Back down for the month of September-2024																	
SLDC'S Dispatch Instructions (DI)										Actual compliance to DI by the Station							
Sl No	Date	Unit	MW		Hrs Min		Duration in Hours	Load	Energy asked to be backed down (MU)	MW		Hrs Min		Duration in Hours	Load	Actual back down in MU	Non-Compliance (%)
			From	To	From	To				From	To						
1	01-09-2024	3	173	157	00 00	01 50	01 50	16	0 0293	173	157	00 00	01 50	01 50	16	0 0293	Nil
2	01-09-2024	3	173	136	01 50	06 50	05 00	37	0 1850	173	136	01 50	06 50	05 00	37	0 1850	Nil
3	01-09-2024	3	173	136	08 20	17 25	09 05	37	0 3361	173	136	08 20	17 25	09 05	37	0 3361	Nil
4	01-09-2024	3	166	136	20 55	00 00	03 05	30	0 0925	166	136	20 55	00 00	03 05	30	0 0925	Nil
5	02-09-2024	3	166	136	00 00	05 30	05 30	30	0 1650	166	136	00 00	05 30	05 30	30	0 1650	Nil
6	02-09-2024	3	167	136	08 35	18 40	10 05	31	0 3126	167	136	08 35	18 40	10 05	31	0 3126	Nil
7	02-09-2024	3	155	136	23 00	00 00	01 00	19	0 0190	155	136	23 00	00 00	01 00	19	0 0190	Nil
8	03-09-2024	3	155	136	00 00	06 15	06 15	19	0 1188	155	136	00 00	06 15	06 15	19	0 1188	Nil
9	03-09-2024	3	154	134	08 05	18 30	10 25	20	0 2083	154	134	08 05	18 30	10 25	20	0 2083	Nil
10	03-09-2024	3	158	136	23 45	00 00	00 15	22	0 0055	158	136	23 45	00 00	00 15	22	0 0055	Nil
11	04-09-2024	3	159	136	00 00	07 10	07 10	23	0 1648	159	136	00 00	07 10	07 10	23	0 1648	Nil
12	04-09-2024	3	160	136	08 30	14 15	05 45	24	0 1380	160	136	08 30	14 15	05 45	24	0 1380	Nil
13	04-09-2024	3	160	136	15 55	18 50	02 55	24	0 0700	160	136	15 55	18 50	02 55	24	0 0700	Nil
14	04-09-2024	3	167	136	22 45	00 00	01 15	31	0 0388	167	136	22 45	00 00	01 15	31	0 0388	Nil
15	05-09-2024	3	167	136	00 00	17 10	17 10	31	0 5322	167	136	00 00	17 10	17 10	31	0 5322	Nil
16	05-09-2024	3	169	136	23 25	00 00	00 35	33	0 0192	169	136	23 25	00 00	00 35	33	0 0192	Nil
17	06-09-2024	3	169	136	00 00	18 20	18 20	33	0 6050	169	136	00 00	18 20	18 20	33	0 6050	Nil
18	06-09-2024	3	143	136	23 30	00 00	00 30	7	0 0035	143	136	23 30	00 00	00 30	7	0 0035	Nil
19	07-09-2024	3	214	204	00 00	04 00	04 00	10	0 0400	214	204	00 00	04 00	04 00	10	0 0400	Nil
20	07-09-2024	3	143	136	04 00	18 15	14 15	7	0 0998	143	136	04 00	18 15	14 15	7	0 0998	Nil
21	07-09-2024	3	169	136	23 45	00 00	00 15	33	0 0082	169	136	23 45	00 00	00 15	33	0 0082	Nil
22	08-09-2024	3	169	136	00 00	09 10	09 10	33	0 3025	169	136	00 00	09 10	09 10	33	0 3025	Nil
23	08-09-2024	3	169	150	09 10	10 10	01 00	19	0 0190	169	150	09 10	10 10	01 00	19	0 0190	Nil
24	08-09-2024	3	169	136	10 10	19 00	08 50	33	0 2915	169	136	10 10	19 00	08 50	33	0 2915	Nil
25	08-09-2024	3	181	136	23 45	00 00	00 15	45	0 0113	181	136	23 45	00 00	00 15	45	0 0113	Nil
26	09-09-2024	3	181	136	00 00	17 50	17 50	45	0 8025	181	136	00 00	17 50	17 50	45	0 8025	Nil
27	10-09-2024	3	190	136	01 55	09 30	07 35	54	0 4095	190	136	01 55	09 30	07 35	54	0 4095	Nil
28	10-09-2024	3	145	136	13 10	18 05	04 55	9	0 0443	145	136	13 10	18 05	04 55	9	0 0443	Nil
29	11-09-2024	3	155	136	00 15	06 20	06 05	19	0 1156	155	136	00 15	06 20	06 05	19	0 1156	Nil
30	11-09-2024	3	153	150	06 20	06 50	00 30	3	0 0015	153	150	06 20	06 50	00 30	3	0 0015	Nil
31	11-09-2024	3	230	175	06 50	07 20	00 30	55	0 0275	230	175	06 50	07 20	00 30	55	0 0275	Nil
32	11-09-2024	3	230	175	07 20	18 35	11 15	55	0 6188	230	175	07 20	18 35	11 15	55	0 6188	Nil
33	12-09-2024	3	163	136	00 05	17 00	16 55	27	0 4568	163	136	00 05	17 00	16 55	27	0 4568	Nil
34	12-09-2024	3	167	140	19 45	20 30	00 45	27	0 0203	167	140	19 45	20 30	00 45	27	0 0203	Nil
35	13-09-2024	3	176	136	00 40	20 10	19 30	40	0 7800	176	136	00 40	20 10	19 30	40	0 7800	Nil
36	13-09-2024	3	151	136	23 10	00 00	00 50	15	0 0125	151	136	23 10	00 00	00 50	15	0 0125	Nil
37	14-09-2024	3	152	136	00 00	18 00	18 00	16	0 2880	152	136	00 00	18 00	18 00	16	0 2880	Nil
38	14-09-2024	3	144	136	22 30	00 00	01 30	8	0 0120	144	136	22 30	00 00	01 30	8	0 0120	Nil
39	15-09-2024	3	144	136	00 00	18 00	18 00	8	0 1440	144	136	00 00	18 00	18 00	8	0 1440	Nil
40	15-09-2024	3	173	136	20 15	00 00	03 45	37	0 1388	173	136	20 15	00 00	03 45	37	0 1388	Nil
41	16-09-2024	3	172	136	00 00	15 50	15 50	36	0 5700	172	136	00 00	15 50	15 50	36	0 5700	Nil
42	17-09-2024	3	159	136	01 05	05 25	04 20	23	0 0997	159	136	01 05	05 25	04 20	23	0 0997	Nil
43	17-09-2024	3	162	136	08 00	16 35	08 35	26	0 2232	162	136	08 00	16 35	08 35	26	0 2232	Nil
44	17-09-2024	3	169	136	23 25	00 00	00 35	33	0 0192	169	136	23 25	00 00	00 35	33	0 0192	Nil

Source: TGGenco mail dated 19.05.2025



ANNEXURE-IV: LOSS OF GENERATION AND TRIPLING DETAILS

UNIT-3 // Back down for the month of September-2024																	
SLDC'S Despatch Instructions (DI)										Actual compliance to DI by the Station							
Sl. No	Date	Unit	MW		Hrs. Min		Duration In Hours	Load	Energy asked to be backed down (MU)	MW		Hrs. Min		Duration in Hours	Load	Actual back down in MU	Non-Compliance (%)
			From	To	From	To				From	To	From	To				
45	18-09-2024	3	169	136	00:00	04:45	04:45	33	0.1568	169	136	00:00	04:45	04:45	33	0.1568	Nu
46	18-09-2024	3	185	136	08:00	14:30	06:30	49	0.3185	185	136	08:00	14:30	06:30	49	0.3185	Nu
47	19-09-2024	3	164	136	02:00	05:25	03:25	28	0.0957	164	136	02:00	05:25	03:25	28	0.0957	Nu
48	19-09-2024	3	162	136	08:55	16:30	07:35	26	0.1972	162	136	08:55	16:30	07:35	26	0.1972	Nu
49	20-09-2024	3	195	165	14:40	15:45	01:05	30	0.0325	195	165	14:40	15:45	01:05	30	0.0325	Nu
50	21-09-2024	3	172	135	07:55	17:25	09:30	37	0.3515	172	135	07:55	17:25	09:30	37	0.3515	Nu
51	22-09-2024	3	190	136	06:15	14:30	08:15	54	0.4455	190	136	06:15	14:30	08:15	54	0.4455	Nu
52	23-09-2024	3	189	136	09:10	12:45	03:35	53	0.1899	189	136	09:10	12:45	03:35	53	0.1899	Nu
53	24-09-2024	3	161	136	08:05	14:05	06:00	25	0.1500	161	136	08:05	14:05	06:00	25	0.1500	Nu
54	24-09-2024	3	166	147	16:20	16:45	00:25	19	0.0079	166	147	16:20	16:45	00:25	19	0.0079	Nu
55	25-09-2024	3	186	136	08:10	16:50	08:40	50	0.4333	186	136	08:10	16:50	08:40	50	0.4333	Nu
56	26-09-2024	3	171	136	03:30	18:30	15:00	35	0.5250	171	136	03:30	18:30	15:00	35	0.5250	Nu
57	26-09-2024	3	187	136	22:35	00:00	01:25	51	0.0723	187	136	22:35	00:00	01:25	51	0.0723	Nu
58	27-09-2024	3	184	136	01:00	18:30	17:30	48	0.8400	184	136	01:00	18:30	17:30	48	0.8400	Nu
59	27-09-2024	3	148	136	21:55	00:00	02:05	12	0.0250	148	136	21:55	00:00	02:05	12	0.0250	Nu
60	28-09-2024	3	148	136	00:00	06:00	06:00	12	0.0720	148	136	00:00	06:00	06:00	12	0.0720	Nu
61	28-09-2024	3	150	136	07:25	17:25	10:00	14	0.1400	150	136	07:25	17:25	10:00	14	0.1400	Nu
62	28-09-2024	3	180	136	22:05	00:00	01:55	44	0.0843	180	136	22:05	00:00	01:55	44	0.0843	Nu
63	29-09-2024	3	180	136	00:00	00:15	00:15	44	0.0110	180	136	00:00	00:15	00:15	44	0.0110	Nu
64	29-09-2024	3	180	136	01:15	17:55	16:40	44	0.7333	180	136	01:15	17:55	16:40	44	0.7333	Nu
65	30-09-2024	3	193	136	00:05	06:15	06:10	57	0.3515	193	136	00:05	06:15	06:10	57	0.3515	Nu
66	30-09-2024	3	188	136	07:55	16:30	08:35	52	0.4463	188	136	07:55	16:30	08:35	52	0.4463	Nu
Total									14.2792	Total							14.2792

Source: TGGENCO mail dated 19.05.2025

ANNEXURE-IV: LOSS OF GENERATION AND TRIPLING DETAILS

UNIT -4 // Back down for the month of September -2024																	
SLDC'S Despatch Instructions (DI)										Actual compliance to DI by the Station							
Sl. No	Date	Unit	MW		Hrs. Min		Duration In Hours	Load	Energy asked to be backed down (MU)	MW		Hrs. Min		Duration in Hours	Load	Actual back down In MU	Non-Compliance (%)
			From	To	From	To				From	To						
1	01-09-2024	4	173	157	00:00	01:50	01:50	16	0.0293	173	157	00:00	01:50	01:50	16	0.0293	Nil
2	01-09-2024	4	173	136	01:50	06:50	05:00	37	0.1850	173	136	01:50	06:50	05:00	37	0.1850	Nil
3	01-09-2024	4	173	136	08:20	17:25	09:05	37	0.3361	173	136	08:20	17:25	09:05	37	0.3361	Nil
4	01-09-2024	4	166	136	20:55	00:00	03:05	30	0.0925	166	136	20:55	00:00	03:05	30	0.0925	Nil
5	02-09-2024	4	166	136	00:00	05:30	05:30	30	0.1650	166	136	00:00	05:30	05:30	30	0.1650	Nil
6	02-09-2024	4	167	136	08:35	18:40	10:05	31	0.3126	167	136	08:35	18:40	10:05	31	0.3126	Nil
7	02-09-2024	4	155	136	23:00	00:00	01:00	19	0.0190	155	136	23:00	00:00	01:00	19	0.0190	Nil
8	03-09-2024	4	155	136	00:00	06:15	06:15	19	0.1188	155	136	00:00	06:15	06:15	19	0.1188	Nil
9	03-09-2024	4	154	134	08:05	18:30	10:25	20	0.2083	154	134	08:05	18:30	10:25	20	0.2083	Nil
10	03-09-2024	4	158	136	23:45	00:00	00:15	22	0.0055	158	136	23:45	00:00	00:15	22	0.0055	Nil
11	04-09-2024	4	157	136	00:00	07:10	07:10	21	0.1505	157	136	00:00	07:10	07:10	21	0.1505	Nil
12	04-09-2024	4	160	136	08:30	14:15	05:45	24	0.1380	160	136	08:30	14:15	05:45	24	0.1380	Nil
13	04-09-2024	4	160	136	15:55	18:50	02:55	24	0.0700	160	136	15:55	18:50	02:55	24	0.0700	Nil
14	04-09-2024	4	167	136	22:45	00:00	01:15	31	0.0388	167	136	22:45	00:00	01:15	31	0.0388	Nil
15	05-09-2024	4	167	136	00:00	17:10	17:10	31	0.5322	167	136	00:00	17:10	17:10	31	0.5322	Nil
16	05-09-2024	4	169	136	23:25	00:00	00:35	33	0.0192	169	136	23:25	00:00	00:35	33	0.0192	Nil
17	06-09-2024	4	169	136	00:00	18:20	18:20	33	0.6050	169	136	00:00	18:20	18:20	33	0.6050	Nil
18	06-09-2024	4	143	136	23:30	00:00	00:30	7	0.0035	143	136	23:30	00:00	00:30	7	0.0035	Nil
19	07-09-2024	4	214	204	00:00	04:00	04:00	10	0.0400	214	204	00:00	04:00	04:00	10	0.0400	Nil
20	07-09-2024	4	143	136	04:00	18:15	14:15	7	0.0998	143	136	04:00	18:15	14:15	7	0.0998	Nil
21	07-09-2024	4	169	136	23:45	00:00	00:15	33	0.0082	169	136	23:45	00:00	00:15	33	0.0082	Nil
22	08-09-2024	4	169	136	00:00	09:10	09:10	33	0.3025	169	136	00:00	09:10	09:10	33	0.3025	Nil
23	08-09-2024	4	169	150	09:10	10:10	01:00	19	0.0190	169	150	09:10	10:10	01:00	19	0.0190	Nil
24	08-09-2024	4	169	136	10:10	19:00	08:50	33	0.2915	169	136	10:10	19:00	08:50	33	0.2915	Nil
25	09-09-2024	4	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
26	10-09-2024	4	145	136	13:10	18:05	04:55	9	0.0443	145	136	13:10	18:05	04:55	9	0.0443	Nil
27	11-09-2024	4	150	136	00:15	06:20	06:05	14	0.0852	150	136	00:15	06:20	06:05	14	0.0852	Nil
28	11-09-2024	4	153	150	06:20	06:50	00:30	3	0.0015	153	150	06:20	06:50	00:30	3	0.0015	Nil
29	12-09-2024	4	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
30	13-09-2024	4	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
31	14-09-2024	4	0	0	00:00	00:00	00:00	0	0.0000	0	0	00:00	00:00	00:00	0	0.0000	Nil
32	15-09-2024	4	144	136	12:30	18:00	05:30	8	0.0440	144	136	12:30	18:00	05:30	8	0.0440	Nil
33	15-09-2024	4	172	136	20:15	00:00	03:45	36	0.1350	172	136	20:15	00:00	03:45	36	0.1350	Nil
34	16-09-2024	4	172	136	00:00	15:50	15:50	36	0.5700	172	136	00:00	15:50	15:50	36	0.5700	Nil
35	17-09-2024	4	159	136	01:05	05:25	04:20	23	0.0997	159	136	01:05	05:25	04:20	23	0.0997	Nil
36	17-09-2024	4	162	136	08:00	16:35	08:35	26	0.2232	162	136	08:00	16:35	08:35	26	0.2232	Nil
37	17-09-2024	4	169	136	23:25	00:00	00:35	33	0.0192	169	136	23:25	00:00	00:35	33	0.0192	Nil
38	18-09-2024	4	169	136	00:00	04:45	04:45	33	0.1568	169	136	00:00	04:45	04:45	33	0.1568	Nil
39	18-09-2024	4	185	136	08:00	14:30	06:30	49	0.3185	185	136	08:00	14:30	06:30	49	0.3185	Nil
40	19-09-2024	4	164	136	02:00	05:25	03:25	28	0.0957	164	136	02:00	05:25	03:25	28	0.0957	Nil
41	19-09-2024	4	162	136	08:55	16:30	07:35	26	0.1972	162	136	08:55	16:30	07:35	26	0.1972	Nil
42	20-09-2024	4	177	165	14:40	15:45	01:05	12	0.0130	177	165	14:40	15:45	01:05	12	0.0130	Nil
43	21-09-2024	4	173	136	07:55	17:25	09:30	37	0.3515	173	136	07:55	17:25	09:30	37	0.3515	Nil
44	22-09-2024	4	190	136	06:15	14:30	08:15	54	0.4455	190	136	06:15	14:30	08:15	54	0.4455	Nil

Source: TGENCO mail dated 19.05.2025



ANNEXURE-IV: LOSS OF GENERATION AND TRIPPLING DETAILS

UNIT -4 // Back down for the month of September -2024																	
SLDC's Despatch Instructions (DI)										Actual compliance to DI by the station							
Sl No	Date	Unit	MW		Hrs Min		Duration (in Hours)	Load	Energy asked to be backed down (MU)	MW		Hrs Min		Duration in Hours	Load	Actual back down in MU	Non-Compliance (%)
			From	To	From	To				From	To	From	To				
45	23-09-2024	4	189	136	09:10	12:45	03:35	53	0.1899	189	136	09:10	12:45	03:35	53	0.1899	Nil
46	24-09-2024	4	161	136	08:05	14:05	06:00	25	0.1500	161	136	08:05	14:05	06:00	25	0.1500	Nil
47	24-09-2024	4	166	147	16:20	16:45	00:25	19	0.0079	166	147	16:20	16:45	00:25	19	0.0079	Nil
48	25-09-2024	4	186	136	08:10	16:50	08:40	50	0.4333	186	136	08:10	16:50	08:40	50	0.4333	Nil
49	26-09-2024	4	171	136	03:30	18:30	15:00	35	0.5250	171	136	03:30	18:30	15:00	35	0.5250	Nil
50	26-09-2024	4	187	136	22:35	00:00	01:25	51	0.0723	187	136	22:35	00:00	01:25	51	0.0723	Nil
51	27-09-2024	4	184	136	01:00	18:30	17:30	48	0.8400	184	136	01:00	18:30	17:30	48	0.8400	Nil
52	27-09-2024	4	148	136	21:55	00:00	02:05	12	0.0250	148	136	21:55	00:00	02:05	12	0.0250	Nil
53	28-09-2024	4	147	136	00:00	06:00	06:00	11	0.0660	147	136	00:00	06:00	06:00	11	0.0660	Nil
54	28-09-2024	4	150	136	07:25	17:25	10:00	14	0.1400	150	136	07:25	17:25	10:00	14	0.1400	Nil
55	28-09-2024	4	180	136	22:05	00:00	01:55	44	0.0843	180	136	22:05	00:00	01:55	44	0.0843	Nil
56	29-09-2024	4	180	136	00:00	00:15	00:15	44	0.0110	180	136	00:00	00:15	00:15	44	0.0110	Nil
57	29-09-2024	4	180	136	01:15	17:55	16:40	44	0.7333	180	136	01:15	17:55	16:40	44	0.7333	Nil
58	30-09-2024	4	193	136	00:05	06:15	06:10	57	0.3515	193	136	00:05	06:15	06:10	57	0.3515	Nil
59	30-09-2024	4	188	136	07:55	16:30	08:35	52	0.4463	188	136	07:55	16:30	08:35	52	0.4463	Nil
Total									10.6662	Total							

Unit No.	Unit 1	Unit 2	Unit 3	Unit 4	Total
Energy Back down in MU	0.0000	13.9553	14.2792	10.6662	38.9005
Reserve Shut down in MU	0.0000	0.0000	0.0000	0.0000	0.0000

Note:- Unit-1 is under AOH

Source: TGGENCO mail dated 19.05.2025



ANNEXURE-IV: LOSS OF GENERATION AND TRIPLING DETAILS



TELANGANA POWER GENERATION CORPORATION LIMITED
(A Govt. of Telangana State Undertaking)
BHADRADRI THERMAL POWER STATION (4 X 270 MW)

From,
The Chief Engineer/Construction,
BTPS
MANUGURU - 507 117
Bhadradi Kothagudem (Dist.)
TELANGANA.

To
The Chief Engineer/Coal&Commercial,
R.No: 224, "A" Block,
TGGENCO, Vidyut Soudha,
Hyderabad-500 082.
TELANGANA.

Lr No: CE/Const./BTPS/E&P/F No: Monthly Reports /D.No: 152 / 24, Dt: 9-09-2024

Sir,

Sub: TGGENCO - BTPS (4X270MW) - Monthly Performance Report of BTPS for the month of August-2024 - Furnished - Regarding.

Ref: Lr No. CE (Coal & Comm)/ SE(Pig)/ DE(Pig)/MIS/monthly report / D.No. 08/19, Dt: 10-01-2019.

The Monthly Performance Report of Bhadradi Thermal Power Station (4X270 MW), Manuguru, for the month of August-2024, is here with furnished in the proforma communicated in letter vide reference cited above.

Encl. As above


CHIEF ENGINEER/CONSTRUCTION
B.T.P.S : : MANUGURU

Copy Submitted to:

The Director /Thermal/TGGENCO/Vidyut Soudha/Hyderabad-82.

Copy communicated to:

The Chief Engineer/Generation /TGGENCO/Vidyut Soudha/Hyderabad.

Copy to:

The DE/Tech., to Chairman & Managing Director/TGGENCO/Vidyut Soudha/Hyderabad-82.
The Dy. CCA /TGGENCO /BTPS/Manuguru.

Source: TGGENCO mail dated 19.05.2025



ANNEXURE-IV: LOSS OF GENERATION AND TRIPLING DETAILS

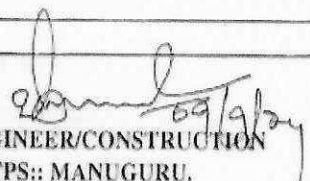
TELANGANA POWER GENERATION CORPORATION LIMITED BHADRADRI THERMAL POWER STATION (4X270MW) MIS - PERFORMANCE DATA OF BTPS FOR THE MONTH OF August-2024							
S.No.	Parameter Description	UNITS	UNIT-1	UNIT-2	UNIT-3	UNIT-4	TOTAL
1	Generation	MU	0	129.603	134.436	128.968	393.007
2	Ex-Bus	MU	0.000	115.180	121.201	115.625	352.006
3	Import ST1 (Units 1&2)						5.756
	a) OCA	MU					0.000
	b) OCB	MU		5.756			5.756
4	Import ST2 (Units 3&4)	MU					6.223
	a) OCC				3.1115		3.112
	b) OCD					3.1115	3.112
5	Aux Consumption	MU/(%)	1.801	12.88009 / 9.94	13.235 / 9.84	13.343 / 10.35	41.259/10.50
6	Plant Load Factor (PLF)	%	0.00	64.52	66.92	64.20	48.91
7	Backdown Gen	MU	0.000	15.073	17.589	17.195	50.8577
8	RSD	MU	0.00	0.00	0.00	0.00	0.00
9	Deemed Generation	MU	0.000	145.676	152.025	146.163	443.865
10	Deemed PLF	%	0.00	72.52	75.68	72.78	55.24
11	Loading Factor	%	#DIV/0!	67.69	66.92	65.53	66.71
12	Running Hours	HH-MM	00:00	709:10	744:00	728:53	2182:03
13	Availability Factor (as Running hours)	%	0.00	95.32	100.00	97.97	73.32
	Availability Factor (based on Load)	%	0.00	71.41	75.51	72.26	54.79
14	Forced Outages	Nos	0	1	0	3	4
		HH-MM	0:00	34:50	0:00	15:07	49:57
16		MU	0.00	9.40	0.00	4.08	13.487
17	Planned Outages	Nos	0	0	0	0	0.00
		HH-MM	744:00	00:00	00:00	00:00	744:00
19		MU	200.88	0	0	0	200.88
20		Nos	0	0	0	0	0
21	Reserve Outages	HH-MM	00:00	0:00:00	00:00	00:00	00:00
22		MU	0.00	0.00	0.00	0.00	00:00
23	Coal Consumption	MT	0	105388	110880	111355	327623
24	Specific Coal Consumption	Kg/Kwh	#DIV/0!	0.813	0.825	0.863	0.834
25	Heavy Furnace Oil Consumption	KL	0	24	2	58	84
26	Light Diesel Oil Consumption	KL	0	14	0	6	20
27	Total Oil (HFO-LDO) Consumption	KL	0	38	2	64	104
28	Specific Oil Consumption	ml/kwh	#DIV/0!	0.293	0.015	0.406	0.265
29	GCV of Coal	Kcal/Kg	0	2617	2617	2617	2617
30	Overall Heat Rate	Kcal/Kwh	0	2293	2324	2437	2351
31	Net Heat Rate	Kcal/Kwh	0	2581	2577	2718	2625
32	DM Water Consumption	MT	0	5484	4838	6291	16613
33		%	#DIV/0!	0.89	0.75	1.00	0.880
34	Loss of generation due to						
(i)	Back down	MU	0.000	16.073	17.589	17.195	50.8577
(ii)	Poor Quality of Coal	MU	0.000	45.690	48.855	50.635	145.180
(iii)	Poor bunker levels	MU	0.00	0.00	0.00	0.00	0.000
(iv)	Forced Outages (Tapping to Flashing)	MU	0.000	8.159	0.000	2.358	10.5165
(v)	System constraints (Flashing time to Syn.)	MU	0.000	1.2465	0.000	1.724	2.9700
(vi)	System constraints (50 FAN 28 LUBE OIL FLOW REVERSE)	MU	0.00	0.1088	0.00	0.00	0.1088
	Total loss of Generation	MU	0.00	71.277	66.44	71.91	209.633
35	Maximum Demand	(MW/HH MM/ DD MM- YYYY)		267/13:37/ 14-08-2024	261.5/11:17/ 14-08-2024	256/19:02/ 14-08-2024	—

CHIEF ENGINEER, CONSTRUCTION
BTPS - MANUGURU

Source: TGGENCO mail dated 19.05.2025

ANNEXURE-IV: LOSS OF GENERATION AND TRIPLING DETAILS

TELANGANA POWER GENERATION CORPORATION LIMITED				
BHADRADRI THERMAL POWER STATION (4X270MW)				
Tripping details of BTPS Units August- 2024				
Sl. No	Trip Date & Time	Synchronisation Date & Time	DURATION (HR:MM)	Cause of tripping
Unit - 1				
			0:00	
TOTAL:			0:00	
Unit-2				
1	26-08-2024 21:27	28-08-2024 08:17	34:50	Unit-2 hand tripped due to water wall tube leak at EL+49m on Left side of Boiler.
TOTAL:			34:50	
Unit-3				
			00:00	
TOTAL:			0:00	
Unit-4				
1	02-08-2024 10:55	02-08-2024 11:45	00:50	Unit-4 tripped on flame failure due to heavy clinker fall.
2	23-08-2024 10:33	23-08-2024 13:38	03:05	Unit-4 tripped on flame failure due to Scanner panel supply failures.
3	28-08-2024 21:37	29-08-2024 08:49	11:12	Unit-4 hand tripped due to ST_2 earth fault & APH O/L Temperature rise
TOTAL:			15:07	
Total Stn. Outage			49:57:00	


 CHIEFENGINEER/CONSTRUCTION
 BTPS:: MANUGURU.

Source: TGGENCO mail dated 19.05.2025





ANNEXURE-IV: LOSS OF GENERATION AND TRIPLING DETAILS



TELANGANA POWER GENERATION CORPORATION LIMITED
(A Govt. of Telangana State Undertaking)
BHADRADRI THERMAL POWER STATION (4 X 270 MW)

From,
The Chief Engineer/Construction,
BTPS
MANUGURU – 507 117
Bhadradi Kothagudem (Dist.)
TELANGANA.

To
The Chief Engineer/Coal&Commercial,
R.No: 224, "A" Block,
TGGENCO, Vidyut Soudha,
Hyderabad-500 082.
TELANGANA.

Lr No. CE/Const/BTPS/E&P/F.No: Monthly Reports /D No 209 /24, Dt 05-10-2024

Sir,

Sub: TGGENCO - BTPS (4X270MW) –Monthly Performance Report of BTPS for the month of September'2024 – Furnished – Regarding.

Ref: Lr.No. CE (Coal & Comm)/ SE(Plg)/ DE(Plg)/MIS/monthly report / D No. 08/19, Dt: 10-01-2019

The Monthly Performance Report of Bhadradi Thermal Power Station (4X270 MW), Manuguru, for the month of September'2024, is here with furnished in the proforma communicated in letter vide reference cited above.

Encl: As above

sv sthakar
✓CHIEF ENGINEER/CONSTRUCTION
B.T.P.S : : MANUGURU

Copy Submitted to:

The Director /Thermal/TGGENCO/Vidyut Soudha/Hyderabad-82

Copy communicated to:

The Chief Engineer/Generation /TGGENCO/Vidyut Soudha/Hyderabad.

Copy to:

The DE/Tech , to Chairman & Managing Director/TGGENCO/Vidyut Soudha/Hyderabad-82
The Dy CCA /TGGENCO /BTPS/Manuguru.

Source: TGGENCO mail dated 19.05.2025



ANNEXURE-IV: LOSS OF GENERATION AND TRIPLING DETAILS

TELANGANA POWER GENERATION CORPORATION LIMITED
BHADRADRI THERMAL POWER STATION (4X270MW)

MIS - PERFORMANCE DATA OF BTPS FOR THE MONTH OF **September-2024**

S No.	Parameter Description	UNITS	UNIT-1	UNIT-2	UNIT-3	UNIT-4	TOTAL
1	Generation	MU	0	110 924	121 955	97 367	330.246
2	Ex Bus	MU	0 000	97 505	108 513	87 497	293 515
3	Import ST1 (Units 1&2)						5.844
	a) OCA	MU					0.000
	b) OCB	MU		5.844			5.844
4	Import ST2 (Units 3&4)	MU					5.357
	a) OCC				2.6785		2.679
	b) OCD					2.6785	2.679
5	Aux Consumption	MU/(%)	1.657	11.9996 / 10.82	13.432 / 11.01	10.319 / 10.60	37.407/11.33
6	Plant Load Factor (PLF)	%	0.00	57.06	62.73	50.09	42.47
7	Backdown Gen	MU	0.000	13.955	14.279	10.666	38.9008
8	RSD	MU	0.00	0.00	0.00	0.00	0.00
9	Deemed Generation	MU	0.000	124.8793	136.2342	108.0332	369.147
10	Deemed PLF	%	0.00	64.24	70.08	55.57	47.47
11	Loading Factor	%	#DIV/0!	61.49	62.73	62.00	62.10
12	Running Hours	HH:MM	00:00	668:07	720:00	581:39	1969:46
13	Availability Factor (on Running hours)	%	0.00	92.79	100.00	80.78	68.39
	Availability Factor (based on Load)	%	0.00	62.66	69.03	55.19	46.72
14	Forced Outages	Nos	0	3	0	3	6
15		HH:MM	0:00	51:53	0:00	136:21	190:14
16		MU	0.00	14.01	0.00	37.35	51.363
17	Panned Outages	Nos	0	0	0	0	0.00
18		HH:MM	720:00	00:00	00:00	00:00	720:00
19		MU	194.4	0	0	0	194.4
20	Reserve Outages	Nos	0	0	0	0	0
21		HH:MM	00:00	00:00	00:00	00:00	00:00
22		MU	0.00	0.00	0.00	0.00	00:00
23	Coal Consumption	MT	0	100535	108014	88347	296896
24	Specific Coal Consumption	Kg/Kwh	#DIV/0!	0.906	0.886	0.907	0.899
25	Heavy Furnace Oil Consumption	KL	0	96	0	69	165
26	Light Diesel Oil Consumption	KL	0	10	0	58	68
27	Total Oil (HFO+LDO) Consumption	KL	0	106	0	127	233
28	Specific Oil Consumption	ml/kwh	#DIV/0!	0.956	0.000	1.304	0.706
29	GCV of Coal	Kcal/Kg	0	2602	2602	2602	2602
30	Overall Heat Rate	Kcal/Kwh	0	2368	2305	2373	2346
31	Net Heat Rate	Kcal/Kwh	0	2693	2590	2641	2640
32	DM Water Consumption	MT	0	6151	4558	5994	16703
33		%	#DIV/0!	1.06	0.73	1.19	0.980
34	Loss of generation due to						
(i)	Back down	MU	0.000	13.955	14.279	10.666	38.9008
(ii)	Poor Quality of Coal	MU	0.000	55.512	58.166	48.936	162.614
(iii)	Poor bunker levels	MU	0.00	0.00	0.00	0.00	0.000
(iv)	Forced Outages (Tripping to Flashing)	MU	0.000	11.543	0.000	34.349	45.8910
(v)	System constraints (Flashing time to Syn)	MU	0.000	2.47	0.000	3.006	5.4720
(vi)	System constraints (and reduction in PLF) in 2024-2024	MU	0.00	0.0000	0.00	0.0765	0.0765
	Total loss of Generation	MU	0.00	83.476	72.445	97.03	252.954
35	Maximum Demand	(MW/HH:MM M/DD-MM- YYYY)	-	226.2/00:56/ 23-09-2024	246.1/23:22/ 30-09-2024	229/20:13/ 28-09-2024	-


 CHIEF ENGINEER/CONSTRUCTION
 BTPS - MANUGURU

Source: TGGENCO mail dated 19.05.2025



ANNEXURE-IV: LOSS OF GENERATION AND TRIPLING DETAILS

TELANGANA POWER GENERATION CORPORATION LIMITED				
BHADRADRI THERMAL POWER STATION (4X270MW)				
Tripping details of BTPS Units September- 2024				
Sl. No	Trip Date & Time	Synchronisation Date & Time	DURATION (HR:MM)	Cause of tripping
Unit - 1				
			0:00	
TOTAL:			0:00	
Unit-2				
1	06-09-2024 23:42	07-09-2024 03:10	3:28	Unit-2 tripped on flame failure due to sudden obstruction of coal flow in Mill-c later identified as coal feeder -C belt damaged due to foreign material
2	10-09-2024 03:57	10-09-2024 08:37	4:40	Unit- 2 tripped on flame failure due to poor bunker level Mill-2B taken out of service, sudden tripping of Mill-2C due to IP Shaft bearing temperature high due to failure of sensor.
3	20-09-2024 08:13	22-09-2024 03:58	43:45	Unit-2 hand tripped due to boiler tube leak in Economiser zone
TOTAL:			51:53	
Unit-3				
			00:00	
TOTAL:			0:00	
Unit-4				
1	08-09-2024 20:22	10-09-2024 10:41	38:19	Unit-4 hand tripped due to boiler tube leak in LTSH upper bank 47.5 mtr elevation.
2	10-09-2024 19:30	10-09-2024 20:05	00:35	Unit-4 turbine hand tripped and boiler was in live for finding out the reason for HP Turbine Exhaust temperature high.
3	11-09-2024 06:50	15-09-2024 10:17	99:27	Unit-4 Emergency hand tripped on suspecting of CRH-NRV problem.
TOTAL:			138:21	
Total Stn. Outage			190:14:00	

S. S. Srinivasan
 CHIEF ENGINEER/CONSTRUCTION
 BTPS:: MANUGURU.

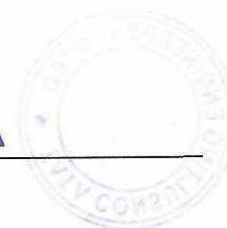
Source: TGGENCO mail dated 19.05.2025





ANNEXURE-V





ANNEXURE-V: GENERATION LOSS COST ANALYSIS

ABSTRACTGENERATION LOSS COST IN Cr. DUE TO WET COAL (PRODUCTION COST)

	2021-22	2022-23	2023-24	2024-25	TOTAL
JUNE	0.709	0.00	6.76	8.35	15.85
JULY	5.004	44.49	23.82	5.37	78.68
AUGUST	0.000	69.38	22.39	32.16	123.93
SEPTEMBER	0.000	60.35	66.10	48.71	175.76
TOTAL	5.71	174.82	119.09	94.59	394.22

NOTE: In the rainy season i.e., from June to September due lack of coal shed, wet coal supplied for all the coal bunkers. The above abstract table pertains to cost particulars as per wet coal generation loss. This cost is arrived based on actual production cost (Fixed + variable costs) as low generation is obtained because of wet coal.

EXCESS OIL COST IN Cr. DUE TO WET COAL

	2021-22	2022-23	2023-24	2024-25	TOTAL
JUNE	6.34	8.56	1.65	1.07	17.62
JULY	7.57	49.04	2.65	0.63	59.89
AUGUST	5.83	35.41	1.49	0.66	43.36
SEPTEMBER	6.44	23.36	1.89	1.54	33.24
TOTAL	26.18	116.37	7.66	3.91	154.11

NOTE: Due to lack of coal storage sheds, wet coal was supplied to the coal bunkers in the rainy season (June to September) caused rat holes in the bunkers and also mill jams and mill tripping occurred. So, oil support was taken to avoid flame instability and unit tripping.

TOTAL GENERATION LOSS COST IN Cr. DUE TO WET COAL AND OIL

	2021-22	2022-23	2023-24	2024-25	TOTAL
JUNE	7.05	8.56	8.44	9.42	33.47
JULY	12.57	93.53	26.47	6.00	138.57
AUGUST	5.83	104.79	23.84	32.82	167.29
SEPTEMBER	6.44	84.31	67.99	50.25	209.00
TOTAL	31.89	291.19	126.75	98.50	548.33

Source: TGGENCO mail dated 19.05.2025



ANNEXURE-V: GENERATION LOSS COST ANALYSIS

ABSTRACTGENERATION LOSS COST IN Cr. DUE TO WET COAL (FIXED COST)

	2021-22	2022-23	2023-24	2024-25	TOTAL
JUNE	0.26	0.00	2.41	3.17	5.84
JULY	1.87	16.86	10.56	2.24	31.53
AUGUST	0.00	26.29	8.56	14.17	49.03
SEPTEMBER	0.00	23.10	24.05	23.49	70.63
TOTAL	2.14	66.26	45.57	43.08	157.04

NOTE: In the rainy season i.e., from June to September due lack of coal shed, wet coal supplied for all the coal bunkers. The above abstract table pertains to cost particulars as per wet coal generation loss. This cost is arrived based on actual Fixed cost as low generation is obtained because of wet coal

EXCESS OIL COST IN Cr. DUE TO WET COAL

	2021-22	2022-23	2023-24	2024-25	TOTAL
JUNE	6.34	8.56	1.65	1.07	17.62
JULY	7.57	49.04	2.65	0.63	59.89
AUGUST	5.83	35.41	1.46	0.66	43.36
SEPTEMBER	6.44	23.36	1.89	1.54	33.24
TOTAL	26.18	116.37	7.66	3.91	154.11

NOTE: Due to lack of coal storage sheds, wet coal was supplied to the coal bunkers in the rainy season (June to September) caused rat holes in the bunkers and also mill jams and mill tripping occurred. So, oil support was taken to avoid flame instability and unit tripping.

TOTAL GENERATION LOSS COST IN Cr. DUE TO WET COAL AND OIL

	2021-22	2022-23	2023-24	2024-25	TOTAL
JUNE	6.60	8.56	4.06	4.24	23.46
JULY	9.44	65.90	13.21	2.88	91.43
AUGUST	5.83	61.70	10.02	14.84	92.39
SEPTEMBER	6.44	46.46	25.94	25.03	103.87
TOTAL	28.32	182.62	53.23	46.98	311.15

Source: TGGENCO mail dated 19.05.2025

OWNER :	 TELANGANA POWER GENERATION CORPORATION LIMITED, HYDERABAD	PROJECT : BHADRADRI THERMAL POWER STATION (4X270 MW)
OWNER'S ENGINEER :	 TATA CONSULTING ENGINEERS LIMITED	DOCUMENT TITLE : TECHNICAL JUSTIFICATION AND COST BENEFIT ANALYSIS FOR THE PROPOSED CONSTRUCTION OF RAW COAL STORAGE SHED AT BTPS (4X270 MW) PROJECT
Sr. No.	TGGENCO comments dated 22.07.2025	TCE Reply dated 25.07.2025
1	M/s TCE Ltd has not enclosed the annexure with signature & seal.	Inputs in the Annexure were received from TGGENCO through mail dated 19.05.2025 and the same has been utilized for the report preparation. As requested by TGGENCO, the annexure has been acknowledged by TCE with sign and seal.
2	It was mentioned the file name as R3.	R3 mentioned in the footer portion of the document is the revision no. of TCE FORM only and it does not represent the revision no. of Justification Report. For the revision no. of Justification Report, please refer to the page iv, "REVISION STATUS SHEET".



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