

## ANNEXURE

- i) The proposed additional capital cost is part of original scope of coal handling plant involved in diversion of raw coal from crusher house to store raw coal in a covered shed.

### Necessity of the Proposal:

The normal rainfall during the month of July in Manuguru Mandal is 374.5 mm. From the information below, it is observed that prior to the commissioning of the BTPS plant, the average rainfall in the month of July was around 353 mm. Whereas, during the period from 2018 to 2022, the average rainfall in July increased to 518 mm against the normal value of 374.5 mm. Similarly, during the period from 2018 to 2022, the average rainfall in August was 449 mm against the normal value of 289 mm, and in September, the average rainfall was 295 mm against the normal value of 169 mm.

As per the data furnished by the Thahsildar/Manuguru (M), it is clearly evident that the rainfall is considerably increased during the period from 2018 to 2022.

### MONTHLY RAINFALL IN mm DETAILS FROM 2013 TO 2024 OF MANUGURU MANDAL

Sl. No	Name of the Month	Normal Rainfall for the Month	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	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
2	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
3	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
4	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
TOTAL		916.9	1083.6	885.8	890.4	1086.8	716.4	1172.4	1398.8	1872.8	1141.4	1420.6	992.2

From table it is clear that the total rainfall in ManuguruMandal consistently exceeds the normal levels. Notably, the region experiences a recurring pattern of torrential rains approximately every two to three years. Furthermore, heavy rainfall is not limited to September alone, significant precipitation also occurs during July and August. Additionally, during the month of October also there was considerable rainfall in Manugurumandal.

Heavy floods occurred during the month of July, 2022 with 24,43,000 cusecs flow to Godavari River at Bhadrachalam (MSL 54.3mtrs, 71.3 feet gauge reading). The flood water also reached BTPS coal plant premises, due to this 3 units were taken out of service in a phased manner.

During the rainy season and floods all the open cast mines of M/s SCCL filled with rain water. Even though the rain stopped, due to submerging of coal the wet coal is being supplied to BTPS continuously. As the BTPS plant is very near to the Manuguru coal mines (about 20 KMs), whenever the coal is loaded on the trucks, even after travelling the distance of 20 kms, the coal is still in wet condition. There is no scope for coal getting dried enroute (unlike for the plants located fairly distant places) and having moisture.

Surface moisture in coal significantly increases power plant heat rates (lowers efficiency) by requiring extra energy for evaporation, reducing the net calorific value, and degrading combustion performance. A 1% increase in total moisture can increase the station heat rate by approximately 15.21kcal/kWh, while reducing boiler efficiency by about 1.76%.

### **Impact on Heat Rates and Performance**

**Reduced Efficiency:** Higher surface moisture reduces the calorific value of coal because energy is consumed to evaporate the water during combustion.

**Increased Heat Rate:** As moisture rises, the boiler-turbine-generator unit requires more fuel for the same power output, leading to an increase in the station heat rate.

**Quantified Impact:** Research indicates that for every 1% increase in total moisture, the operating unit heat rate increases by approximately 8.2 kcal/kWh and the overall station heat rate by 15.21 kcal/kWh.

**Combustion Challenges:** Excessive moisture can hinder ignition, reduce flame temperature, and cause instability in the boiler which leads to frequent unit tripping due to flame loss.

### **Operational and Economic Consequences**

**Higher Costs:** Increased heat rates directly result in higher fuel consumption and increased costs of generation.

**Handling Issues:** Wet coal causes flow ability problems in coal handling systems (bunkers, feeders) and increases dustiness, impacting maintenance and operations. When wet coal is fed to the bunkers through apron feeders,

equipment damages, crusher jams, chute jams, belt snapping are occurring due to which there frequent interruptions in the coal feeding are resulting generation loss.

**Storage Deterioration:** High moisture content, especially when added during transport or in the yard, reduces the coal's heating value, making proper storage crucial.

To avoid these losses, a raw coal storage shed was proposed at BTPS.

### **Mitigation Strategies**

**Coal Handling:** Minimizing exposure to rain and managing coal pile drainage helps control surface moisture.

**Blending:** Mixing high-moisture coal with lower-moisture, higher-rank coal can stabilize combustion. This can be possible only if there is a covered shed to store the coal.

Thus, improving efficiency and reducing the heat rate through covered coal sheds will lower fuel costs, ultimately benefiting consumers in accordance with existing regulations.

Similar type of raw coal storage sheds with storage capacity of 1.0 Lakh Tones (approx) are available at KTHP, KTHP Stage-VII ICHP and 2.0 lakh MT at KTHP-V&VI are available.

In APGENCO, there is a covered coal shed at Sri Damodaram Sanjeevaiah Thermal Power Station, Krishnapatnam, Nellore dist.

In view of the above, TGGENCO initiated a proposal for construction of Raw coal storage shed that can accommodate atleast 10 days coal stock (approx 1.5 lakh MT).

**ii) The above proposal is comes under (iii) force majeure events;**

The BTPS site is subjected to heavy down pour particularly in monsoon season, when compared to other GENCO stations. Due to incessant and torrential rain, the collected water on surface could not percolate into ground i.e impermeable as the existing ground soil is stiffed clay with black cotton in nature. Due to the above, the stocked coal in open yard is in wet condition for long duration of time.

However, during the operation of units from 2021-22 to 2024-25, considerable generation loss on account of receipt of wet coal during monsoon season was experienced. Therefore, TGGENCO initiated a proposal for construction of Raw

coal storage shed that can accommodate atleast 10 days coal stock (approx 1.5 lakh MT).

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

While transporting the coal from OC mines through trucks, during the monsoon period i.e. from June to September every year, the coal supplied is in wet condition.

When wet coal is fed to the bunkers through apron feeders, equipment damages, crusher jams, chute jams, belt snapping are occurring due to which there frequent interruptions in the coal feeding are resulting generation loss. During the rainy season all the open cast mines of M/s SCCL filled with rain water. Even though the rain stopped, due to submerging of coal the wet coal is being supplied to BTPS continuously. As the BTPS plant is very near to the Manuguru coal mines (about 20 KMs), whenever the coal is loaded on the trucks, even after travelling the distance of 20 kms, the coal is still in wet condition. There is no scope for coal getting dried enroute (unlike for the plants located fairly distant places).

- iii) Capital expenditure is reimbursed by the lenders. Initially TGGENCO will incur the expenditure and subsequently seek reimbursement. The initial funding will be met from internal resources and as the project progresses; loan will be arranged from financial institutions. Free cash flows are fungible and utilized accordingly.

The required budget for this proposed work will be met from Non EPC (E&M) and Non-EPC Civil works by re-appropriating within the capital cost of the BTPS project. The proposed budget is also covered in final capital cost approved in MTR.

The budget allocated for Railway marshaling yard(Electrical & Mechanical) works under Non-EPC (E&M) is Rs 70 Crsas per the administrative approval. But an

amount of Rs 378.78 Crs was allocated for marshalling yard civil works including Electrical & Mechanical works under Non-EPC Civil works. Hence, this amount of Rs 70 Crs allotted under Non-EPC (E&M) will be utilized for proposed raw coal storage shed. (Copy of note approvals enclosed).

It is to submit that, TGGENCO has not taken up the proposed work within the cut-off date due to the aforesaid reasons.

Further, for new projects loan disbursement is linked to the infusion of equity portion of Project. Internal resources have been utilized for the equity portion of new projects. Hence, the above work could not be taken up within the cut-off date of the project.

Hon'ble TGERC also reduced the base rate of return on equity by 4% for True-up of FY 2022-23 & Annual Tariff for FY 2024-25 which also dried up the internal resources.

Hence, Hon'ble Commission is requested to consider the claim of additional Capital cost towards New conveying system and construction of space frame structure raw coal storage shed at BTPS(4X270MW) Project which is within the Original scope of Project Cost.

- iv) The work completion shall be 18 months from the date of issue of LOI dated: 24.10.2025 to main contractor. i.e 23.04.2027.
- v) Through competitive bidding i.e open tender in e-procurement platform, the work was awarded to the L1 bidder after conducting negotiations by SPC level committee.

Accordingly, LOI dated: 24.10.2025 was issued to M/s Shirdi Sai Electricals Limited, Hyd for an amount of Rs.145,26,83,250/- inclusive of GST & excluding statutory provisions)

The Revised administrative approval for an amount of Rs.151 Crs for the subject proposal was obtained by the TGGENCO Board by circulation as the previous administrative approval accorded for an amount of Rs.135.87 Crs only. (Copy of the note approvals enclosed).

M/s. Shirdi Sai Electricals Ltd., Hyderabad has commenced the works at BTPS and in progress.



**TELANGANA POWER GENERATION CORPORATION LIMITED**  
**(FORMERLY TELANGANA STATE POWER GENERATION CORPORATION LIMITED)**  
**VIDYUT SOUDHA :: HYDERABAD-500 082.CIN: U40102TG2014SGC094070**  
**Phone No:04023499339,110. FAX No.040 23499640**  
**Website:www.tggenco.com Email ID: cs@tggenco.com**

**Date: 08.05.2025**

From  
The Company Secretary,  
TGGENCO,  
Vidyut Soudha,  
Hyderabad 500082.

Sir,

**Sub: - Minutes of 71<sup>st</sup> Board Meeting – Extract –Reg.**

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*9/5/25*

Chief Engineer/TPC/TGGENCO
Payroll No. 2025-1124
08 MAY 2025
DE/TPC-1/3/25
ADP/TPC
08/05/25

I am herewith enclosing certified true copy of minutes relating to your agenda points placed in the 71<sup>st</sup> Board Meeting for your perusal please.

Yours faithfully,

*G.P.R.Hrudaya*  
**Smt. G.P.R.Hrudaya**  
**Company Secretary**

**To**

The Chief Engineer/Civil/Hydel & General Services/TGGENCO/VS/Hyderabad.  
The Chief Engineer/TPC/TGGENCO/VS/Hyderabad.  
The Chief Engineer/Civil/Thermal/TGGENCO/VS/Hyderabad.  
The Chief Engineer/HPC & HP/TGGENCO/VS/Hyderabad.  
The Chief Engineer/Generation/TGGENCO/VS/Hyderabad.  
The Chief Engineer/Coal & Commercial/TGGENCO/VS/Hyderabad.  
The Chief Engineer/Planning(L/A)/TGGENCO/VS/Hyderabad.  
The Chief General Manager /IS & ERP/TGGENCO/VS/Hyderabad  
The Joint Secretary (Personnel) II/TGGENCO/VS/Hyderabad.





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**TRUE EXTRACT OF THE MINUTES OF THE SEVENTY FIRST BOARD MEETING OF THE COMPANY HELD ON WEDNESDAY, THE 07<sup>th</sup>, MAY, 2025 AT 2:00 PM IN THE 2<sup>nd</sup> FLOOR, BOARD ROOM, VIDYUT SOUDHA, KHAIRATABAD, HYDERABAD.**

**SUB:- 9. Discussion about the "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(4X270 MW) project.**

The Chief Engineer/TPC has placed a note on the subject for the perusal and consideration of the Board.

He has stated that the committee report is placed before TGGENCO Board along with the recommendations for kind perusal and for taking a decision on the same:

**Conclusion and recommendation of the Committee:**

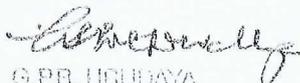
The rainfall in Manuguru mandal consistently exceeding the normal level resulted to receipt of higher wet coal, consequently Generation loss and operational issues impacting the performance of the units. Hence, the committee is of the opinion that construction of raw coal storage shed as per the proposal of Chief Engineer/Const/BTPS can be considered.

It is also recommended for engaging an Independent agency report with technical justification and cost benefit analysis. It will enable for filing the petition before Hon'ble TGERC for getting approval for the capital expenditure to be incurred on the coal shed.

The Board after discussing in detail about the recommendations made by the Committee approved the recommendations of the Committee.

**//CERTIFIED COPY//**

For Telangana Power Generation Corporation Ltd.

  
G.P.R. HIRUDAYA  
Company Secretary



**Note continued:**

Sub:BTPS (4X270 MW)-CHP – 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-Re-tendering - Approval-Requested-Regarding.

Ref:-NIT e-pct-B/01/CE/SE-I/EME-16/TPC/BTPS/CHP/2023.

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198. It is to submit that, an open Tender No: e-pct-B/01/CE/SE-I/EME-16/TPC/BTPS/CHP/2023 was floated on e-Procurement Platform to take up the work of “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 new raw coal storage shed at BTPS (4X270MW) project”.

199. Two (2 Nos) bidders have attended the pre bid meeting, but no bidder has participated in the tender even after extension of the tender for two times. As there is no response from bidders, the subject tender was cancelled, duly obtaining the approval from the competent authority.

200. Further a letter was received from Chief Engineer/Construction/ BTPS, Dt.26.07.2023 requesting to consider the following, while revising the technical specification and estimate.

- The travelling tripper resting slab may be considered to be changed from structural elevated platform to RCC elevated platform to avoid vibrations and for better maintenance.
- The space frame foundation may be changed from isolated footings foundation to combined footing foundations for better stability and easy and faster construction.

201. The same was addressed to M/s TCE Ltd, consultants vide letter dated: 26.07.2023 to examine the technical specifications as per the remarks from the Chief Engineer/Construction/BTPS.

202. Accordingly, vide Ref No.TCE.12885A/PJ/K/002, Dt: 28.08.2023, M/s TCE Ltd has submitted the revised Specification and stated as follows. } (C)

- Travelling Tripper resting slab changed from structural elevated platform to RCC Elevated Platform to avoid vibrations and for better maintenance.
- Space frame foundation changed from isolated foundation to combined foundation for better stability and easy for fast construction.
- Two (2) No's (100T/150T ) capacity moving cranes are required for erection and commissioning of space frame shed from either side of shed and CHP structure during the construction works. Cost of hiring charges for these two cranes including convenience charges increases the estimate cost which was not included in the estimate earlier.

203. Accordingly, draft estimate submitted by M/s.TCE along with justification vide letter Dt.28.08.2023 was transmitted to the Chief Engineer/Civil/Thermal vide this office U.O.No.CE/TPC/SE-I/EME-16/BTPS/F.Raw coal storage/D.No.66/2023, Dt: 28.08.2023 for review and remarks if any. } (D)

204. Further, a meeting was conducted on 01.09.2023 in the office of Chief Engineer/ TPC with M/s.TCE Ltd and SE/Civil/Thermal to discuss on technical specification and on draft estimate submitted by M/s TCE Ltd, accordingly a record notes were drafted. } (E)

205. M/s TCE Ltd has submitted the revised estimate to this office on Dt 02.09.2023 based on the record notes and the same was transmitted to the Chief Engineer/Civil/Thermal vide this office U.O.No.CE/TPC/SE-I/EME-16/BTPS/F.Raw coal shed/D.No.68/23, Dt:02.09.2023 for further remarks if any. } (F)

206. In reply, the Chief Engineer/Civil/Thermal vide U.O.NO.CE/C/T/SE/C/TCD-II/EE/C/Dvn-II/BTPS/F.Raw coal shed/D.No.124/23, Dt: 06.09.2023 informed that the BOQ pertains to civil items of the subject work are verified based on the estimate rates of KTPP coal storage shed (space frame structure) for the quantities furnished by M/s TCE LTD., and modified accordingly.Further, the statutory provisions & GST on civil portion are calculated and enclosed. The estimate details furnished by Chief Engineer / civil/thermal are as follows. } (G)

Sl.No.	Description of Item	Amount in Crores (Rs.)
A	Civil Portion	Rs 91.80
B	Statutory provisions	
	1.EPF at 13% on 30% of Rs 91.80Cr	3.5802
	2.ESI at 3.25% on 30% of Rs 91.80Cr	0.89505
	3.BOCW cess at 1% on Rs 91.80Cr	0.918
	4.NAC at 0.1% on Rs 91.80Cr	0.0918
	5.Seigniorage charges (LS)	0.13
	6.SMET at 2% on Seigniorage charges	0.0026
	7.Permit fee on metal at 0.8 times of Seigniorage charges	0.104
	8.GST@18% on (Sub total+EPF+ESI+BOCW cess+ Seigniorage charges+ SMET+ Permit fee)	17.54
<b>Grand Total (A+B)</b>		<b>115.06</b>
<b>(Rupees One Hundred and Fifteen crores and Six lakhs only)</b>		

207. This office vide Lr.No. CE/TPC/SE-1/EME-16/BTPS/CHP/F.Rawcoal storage/ D.No:72/23, Dt: 08.09.2023 has requested M/s TCE Ltd, (Consultant Engineers) to submit the detailed revised technical specification along with estimate duly incorporating the remarks of Chief Engineer/Civil/Thermal to invite open tenders on e-procurement platform for completion of the above subject work at BTPS Project on EPC basis.

208. In reply, M/s TCE Ltd vide Ref No.TCE.12885A/PJ/K/003, Dt: 13.09.2023 has submitted the Technical Specification (Rev-0) along with estimate to this office. M/s TCE Ltd has informed that the technical specification has reviewed duly considering the below mentioned points.

- As space frame technology is new, estimation not available in SSR for space frame structure balls, cones, end cones, pins and pipes. TCE had this information from the manufacturer & supplier of space frame.
- Space frame foundation changed from isolated foundation to combined foundation for better stability and easy for fast construction.
- Travelling Tripper resting slab changed from structural elevated platform to RCC Elevated Platform to avoid vibrations and for better maintenance. This change has considerably affected the estimate cost.

- Laying of RCC road as per drawing for easy movement of dozers and trucks.
- Two (2) No's (100T/150T capacity) moving cranes are required for erection and commissioning of space frame shed from either side of shed and CHP structure during the construction works. Cost of hiring charges for these two cranes including convenience charges increases the estimate cost which was not included in the estimate earlier.

209. The estimated cost submitted by M/s TCE Ltd for the subject work is as follows.

Sl. No.	Item description	Estimate cost	statutory provisions & GST	Total (Rs Crores)
1	Civil Portion	Rs 91.80 cr	Rs 23.26 cr	Rs 115.06
2	Mechanical, Electrical and C&I	Rs 17.63 cr	Rs 3.18 cr	Rs 20.81
3	<b>Grand Total</b>	<b>Rs 109.43 cr</b>	<b>Rs 26.44 cr</b>	<b>Rs 135.87</b>

210. As per the estimate submitted by M/s TCE Ltd, the total cost of the proposal is estimated to an amount of Rs 109.43 Cr (Rupees One hundred and Nine Crores and Forty Three Lakhs only) Excluding all Statutory provisions & GST and Rs135.87 Cr (Rupees One hundred and Thirty Five crores and Eighty Seven Lakhs only) including all Statutory provisions & GST.

211. Further, it is to submit that, the pre qualification requirements for the subject work is prepared taking in to consideration of the similar work pertaining to BHEL/PSWR NIT of E-tender specification No.PW/NGP/PUR/2301028 for 2X660 MW NTPC, Thalcher, Odisha and NIT No.e-05, Dt.08.07.2022 of Civil/Thermal wing pertaining to Construction of Integrated Town ship at BTPS. (K)

212. Further, with regards to the availability of the Budget for the subject work, it is to submit that, the proposed work is not included in the capital budget of latest administrative approval (i.e. Rev-04). The Budget required for the subject work will be met from the available capital budget of BTPS.

In this context, it is to submit that an amount of Rs 70 crores was allocated to Railway marshalling yard in the Rev-04 administrative approval under Non EPC (E&M). However vide MOM held in the chambers of Chief Engineer/Civil/Thermal on 16.09.2023 it was recorded that "A provision of Rs 378.78 Crores (Inclusive all provisions) was made in the revised administrative approval (Rev-4) towards marshalling yard including consultancy DPR (W.B.S Element T-0011.04.02) which is inclusive of Civil, E&M works etc. Hence, the available amount of Rs 70 crores for Railway marshalling yard under Non EPC (E&M) (W.B.S Element-T-0011.03) shall be utilized for the subject work duly re-appropriating.

Further, the budget for an amount of Rs 71.33 crores (Incl. GST) is proposed for re-appropriation for the subject work from the following Non -EPC civil works.

1) Flood bank along River Godavari (T-0011.04.04)	Rs 39.0 Cr
2) Civil Miscellaneous works (T-0011.04.01)	Rs 20.0 Cr
3) Development of Green belt (T-0011.04.06)	Rs 05.0 Cr
4) Compound wall (T-0011.04.03)	Rs 02.0 Cr
5) Labour Cess	Rs 03.0 Cr
6) Freight & Insurance	Rs 2.33 Cr
Total (Incl.GST)	Rs 71.33 Crores

213. Further, it is to inform that, there is no stock yard for storing raw coal at BTPS and it is necessary to have a raw coal storage yard to stock the coal during the Unit shutdowns and in case of more receipts of coal from lorries/racks. In the monsoon many problems will arise during the coal feeding to the Unit bunkers as the coal receipts from the mines is wet and slurry. Due to this, it is very essential to have a raw coal shed for coal storage to avoid the problems in coal feeding in the rainy season.

During the last monsoon (i.e.in the year 2022), hard ships have been faced due to wet coal. Further, huge quantity of HFO oil was consumed to avoid Units tripping. Approximate quantity of oil consumed was 1603KL (HFO) & 1330KL (LDO) and the approximate cost is Rs. 156Cr.

214. In view of the circumstances explained above, it is very essential to have a raw coal storage shed at BTPS project. Further, it is to inform that earlier tender videe-pct-B/01/CE/SE-I/EME-16/TPC/BTPS/CHP/2023 was floated in the e- procurement platform and even after two times extension of the tender; no bidders have participated in the tender. Hence, the above tender was cancelled due to no response from the bidders.

215. In view of the above, the final Draft Tender Specifications consisting of Instructions to bidders, Eligibility Criteria, General requirements & Bid Submission schedules and Technical Specifications for "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" is submitted along with the note file for perusal and approval.

(N)

216. The main summary sheet of Tender Specification is listed below in the tabular form for perusal.

1	Department Name	Telangana State Power Generation Corporation Limited
2	Circle/Division Name	Chief Engineer/Superintending Engineer-I/TPC/TSGENCO Vidyut Soudha, Hyderabad.
3	Tender Notice No.	No: e-pct-B//CE/SE-I/EME-16/TPC/BTPS/CHP-2023
4	Name of Work	" 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 space frame structure 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".
5	Estimated Contract Value	Rs. 109,43,00,000/- (Excluding statutory Provisions & GST)

6	<p>Delivery Schedule</p> <p>Design and engineering, manufacture, supply, assembly, testing at manufacturers works, inspection, packing for inland freight, forwarding, transit insurance, delivery FOR site, erection, supervision, testing and commissioning</p>	<p>Completion of the work within 18 months, from the date of issue of Purchase order to the successful bidder.</p>
7	<p>Form of Contract</p>	<p>LS</p>
8	<p>Tender Type</p>	<p>Open and Two Part type I) Pre-Qualification &amp; Technical Bid II) Price Bid</p>
9	<p>Tender Category</p>	<p>EPC (Supply, Erection, Testing &amp; Commissioning Works)</p>
10	<p>Bid Security (EMD)</p>	<p>(i) Rs. 1,00,000/- (Rupees One Lakh) by the way of Online payment at the time of uploading tender in e-procurement platform.</p> <p align="center"><b>And</b></p> <p>(ii) @2% EMD Rs.2,18,86,000/- (Rupees Two crore Eighteen Lakhs and Eighty Six Thousand only) in the form of Bank Guarantee from any Nationalized bank/Scheduled Bank.</p> <p>(iii) When the payment of EMD is made through NET Banking/RTGS/NEFT from their registered bank accounts the refund will be reverted to those accounts only</p> <p>(iv) When the payments of EMDs are made using the Credit Card/Debit Card as per the VISA/Master Card Guidelines, the refunds will be reverted to the Originating Card from which the payment was made</p>

11	Bid Security Payable to	<p>All the payments towards the EMD should be made through NET Banking/ RTGS/ NEFT/Credit Card/Debit Card Only on e-procurement platform.</p> <p><b>**Note:</b></p> <p>a. In case of NSIC/SSI/MSME units, TSGENCO exemption letter from payment of EMD may be furnished. For further details refer clause (1) of Instructions to bidders.</p> <p>b. If the quoted values are higher than the Registered value/Monitory limits, the offer furnished are liable for rejection without any prior notice.</p> <p>c. All the bidders shall invariably upload the scanned copies of online payment done towards EMD ine-procurement platform and this will be the primary requirement to consider the bid responsive.</p>
12	Processing Fee	Not Applicable
13	Schedule download start Date & Time	.09.2023, 16.00 Hrs
14	Pre bid meeting at Vidyut Soudha	.10.2023,
15	Clarifications upload date on or before	.10.2023,
16	Bid Submission Start Date	.10.2023
17	Bid Submission closing Date & time	.11.2023, 16.00 Hrs
18	Bid Submission	Online through e-procurement platform
19	Bid Validity	180 days from the date of opening of the Part-I (i.e. Pre-qualification & Techno commercial Bid)
20	Part-1 i.e. Pre-Qualification, Technical Bid Opening Date & Time	15.00 Hrs on .11.2023.
21	Price Bid Opening Date & Time	15.00 Hrs on .11.2023.

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**Eligibility Criteria**

The Bidders should fulfill the following requirement to qualify in the PQB.

**1.Pre-Qualification Requirement Technical:**

The Bidder to meet the pre qualification requirements mentioned hereunder.

A) The Bidder should have Designed, Supplied, fabrication and Erection of space frame structure with ball and socket arrangement of minimum span of 60 meters with cladding sheets and Designed, supplied, Erection & commissioning of one number coal conveying system of minimum 600 TPH capacity in the last seven years from the date of Techno commercial Bid submission and shall be in successful operation for a minimum period of Six months in any industry/Utility/Power Plant. If the bidder is not an Indian manufacturing company, then the Bidder can have tie-up/ MoU/ Agreement with Indian manufacturing Company who have experience in design, supply of space frame structure with ball and socket arrangement of minimum span of 60 meters which should be in service for more than 6 months.

(OR)

B) 1.Bidder/Agency must have executed the space frame structure with ball and socket arrangement of minimum span of 60 meters which should be in service for more than 6 months.

(AND)

2.Bidder/Agency in consortium partner or one of the Joint Venture firm shall be Indian manufacturing company having experience in design, supply of space frame structure with ball and socket arrangement of minimum span of 60 meters which should be in service for more than 6 months.

(AND)

3.Bidder/Agency in consortium partner or one of the Joint Venture firm must have executed one coal conveying system of minimum 600 TPH capacity in the last seven years which should be in service for more than 6 months.

**Pre-Qualification Requirement Financial:**

The average annual turnover of the Bidder (single Bidder) or consortium leader or leader of joint venture should be at least Rs. 60(Sixty ) Crores during the last 3 (Three) consecutive years ending on 31-03-2023. Audited Balance Sheet and Profit & Loss Account

of the company need be submitted for last 3 (Three) financial years ending on 31-03-2023 in support of this requirement.

(AND)

- i) Bidder/Agency must have executed the space frame structure with ball and socket arrangement of minimum span of 60 meters value not less than Rs.20 Crores.

(AND)

- ii) Bidder/Agency in consortium partner or one of the Joint Venture firm must have executed one coal conveying system of minimum 600 TPH capacity with value not less than Rs.10 Crores.

**In case of Joint venture or consortium:**Maximum 4 vendors can be in joint venture or consortium.

C) Liquid asset/credit facilities/solvency certificate:

Liquid asset/credit facilities/solvency certificate (Not older than 12 months from the date of availability of tender specification on e-procurement platform) issued by any Indian Nationalized bank or scheduled bank of value not less than Rs 20 crores shall be uploaded.

D) Corporate debt Re-structuring:

The bidders who have applied for/availed corporate Debt Re-structuring (CDR) in the last five financial years i.e 2018-19 to 2022-23 are not eligible to participate in the bid. The certificate issued by a registered chartered accountant in this regard in current financial year shall be uploaded.

Note: The bidder shall furnish the documentary evidence in support of the Qualifying requirements stipulated above failing which the offers are liable for rejection.

Notwithstanding anything stated above, TSGENCO reserves the right to assess the bidder's capability to perform the contract, should the circumstances warrant such assessment in the overall interest of TSGENCO.

Responsibility for correctness of the information submitted in the online bid lies with bidder. If any information furnished in the bid is proved to be false at a later date, the bid will not only be rejected but also the bidder will be BLACKLISTED.

23	Place of Opening of Tenders	Office of The Chief Engineer/TPC/TSGENCO, 3rd Floor, 'A' Block, VidyutSoudha, Hyd- 82.
24	Officer Inviting Bids	Chief Engineer / TPC / TSGENCO 3rd Floor, A Block, Vidyut Soudha, Hyderabad - 500 082.
25	Address & Phone Nos.	Chief Engineer/ TPC / TSGENCO 3 <sup>rd</sup> Floor, 'A' Block, Vidyut Soudha, Hyderabad - 500 082. Phone: (040)23499261. Mail: <a href="mailto:cetpctgenco@gmail.com">cetpctgenco@gmail.com</a>
26	Procedure for bid submission	<p>a) The tender should be in the prescribed forms which can be obtained from 'e' procurement platform from the date of electronic publication up to the time and date indicated in the tender notice. The intending bidders shall enroll themselves on the 'e' procurement market-place <a href="http://www.eprocurement.telangana.gov.in">www.eprocurement.telangana.gov.in</a> &amp; <a href="http://www.tender.telangana.gov.in">www.tender.telangana.gov.in</a>. Those contractors who register themselves in the 'e' procurement market place can download the tender schedules free of cost. The bidder shall authenticate the bid with his digital certificate for submitting the bid electronically on e-procurement platform and the bids not authenticated by digital certificate of the bidder will not be accepted on the e-procurement platform following the G.O.Ms.No.6, I.T&amp;C Dept, Dt: 28-2-2005.</p> <p>b) Intending bidders can contact office of the Chief Engineer/TPC/A-Block/ 3rd Floor/TSGENCO/VidyutSoudha, Khairatabad, Hyderabad - 082 for any clarification/information on any working day during working hours.</p> <p>c) The bidders who are desirous of participating in e- procurement shall submit their technical bids, price bids etc., in the standard formats prescribed in the tender documents, displayed at "e" market place. The bidders should invariably upload the statement showing the list of documents etc., in the "e" market place in support of their Technical bids. The bidder should load scanned copies of all relevant certificates. The bidder shall sign on all the statements, documents, certificates, uploaded by him, owning responsibility for their correctness/authenticity.</p>

- d) The Bidder shall authenticate the bid with his digital certificate for submitting the bid electronically on e-Procurement Platform and the bids not authenticated by Digital certificate of the bidder will not be accepted on the e-Procurement platform.
- e) The Department shall carry out the technical bid evaluation solely based on the uploaded documents, BG towards EMD in the e-procurement system and open the price bids of the qualified bidders.
- f) The Department will notify the successful bidder for submission of original hard copies of all uploaded documents, BG towards EMD prior to entering into agreement.
- g) The successful bidder shall invariably furnish the original BG towards EMD, Certificates/documents of the uploaded scanned copies to the Tender Inviting Authority before stipulated time given to him, either personally or through courier or post and the receipt of the same within the stipulated date shall be the responsibility of the successful bidder. The Department will not take any responsibility for any delay in receipt/non-receipt of original BG towards EMD, certificates/documents, from successful bidder before the stipulated time. On receipt of documents, the Department shall ensure the genuineness of the BG towards EMD and all other certificates documents uploaded by the bidder in e-procurement system in support of the qualification criteria before placing the Purchase Order.
- h) If any successful bidder fails to submit the original hard copies of uploaded certificates/documents, BG towards EMD within the stipulated time or if any variation is noticed between the uploaded documents and the hard copies submitted by the bidder, the successful bidder will be suspended from participating in the tenders on e-procurement platform for a period of 3 years. The e-procurement system would deactivate the user ID of such defaulting successful bidder based on the trigger/ recommendation by the Tender Inviting Authority in the system. Besides this, the department shall invoke all processes of law including criminal prosecution of such defaulting bidder as an act of extreme deterrence to avoid delays in the tender process for execution of the development schemes taken up by the Department.

27	<b>Statutory Requirements</b>	
	<p>The Bidder shall fulfill the following statutory requirements.</p> <p>a) <b>Income tax Clearance Certificate:</b> .....</p> <p>Furnishing of income tax certificate is dispensed with; however the contractor shall furnish their copy of Permanent Account Number (PAN) card and copy of latest income tax returns submitted along with the proof of receipt.</p> <p>b) <b>GOODS &amp; SERVICE Tax:</b></p> <p>Goods &amp; Service Tax as applicable as on date shall be indicated separately in each invoice and the same will be paid to the contractor.</p> <p>The tenderer should furnish the proof of registration under Goods &amp; Service Tax along with Tax payers Identification Number (TIN) from the Commercial tax department.</p>	
<b>Other Payments to be made</b>		
28	Security Deposit	Successful bidder shall furnish the security deposit equal to 2.5% of the Purchase Order Value in the form of Bank guarantee from any Nationalized bank/Schedule Bank.
29	Special/Addl Security Deposit	The successful Tenderer, whose quoted price is less by more than 25% of the estimated value, shall furnish an additional security deposit of 5% of the Estimated Value within 15 days from the date of issue of Letter of Intent/ Purchase Order for proper fulfillment of the terms and conditions of the contract.
30	Guarantee period	The Warranty Period shall be Twelve (12) Months from date of Taking Over of the entire System by TSGENCO. Any defective equipment/material shall be repaired/ replaced with no extra cost to the purchaser during the warranty period.
31	Performance Bank Guarantee	Successful bidder shall furnish the Performance Bank Guarantee equal to 10% of the Purchase Order Value in the form of Bank guarantee from any Nationalized bank/ Schedule Bank with the validity to cover the Guarantee period and further claim period of 6 months.

<p>32 Transaction Fee</p>	<p>All the participant bidders shall pay online, a non-refundable TRANSACTION FEE, to <b>M/s. TSTS LTD</b>, through "Payment Gateway Service on E-Procurement platform". The amount payable is 0.03% of the Estimated Contract Value (ECV) with GST @ 18% (i.e., an amount of Rs:10,000/-, with GST @ 18% extra), with a cap of Rs.10,000/- for ECV up to Rs.50.0 Crores and Rs.25,000/- for ECV above Rs.50.0 Crores. The Electronic Payment Gateway accepts all Master and Visa Credit Cards issued by any bank and Direct Debit facility/Net Banking of select Banks such as ICICI Bank, HDFC, Axis Bank etc, to facilitate the transaction. GST, Bank Charges for Credit Card Transactions etc, will be applicable.</p>
<p>33 Corpus Fund</p>	<p>Successful bidder has to pay an amount of Rs.10,000/- (0.04 % of Estimated Contract Value subject to Maximum of Rs.10,000/- for ECV up to Rs. 50.0 Crores and Rs. 25,000/- for ECV above Rs. 50.0 Crores) towards Corpus Fund through a demand draft in favour of 'The Managing Director, M/s. TSTS, Hyderabad', towards corpus fund at the time of concluding the agreement. There shall not be any charge towards e-Procurement fund in case of works, goods and services with ECV up to Rs.10 Lakhs.</p>
<p>34 Important Documents to be uploaded for PQ bid/ Technical Bid</p>	<p>Technical Specifications, data Sheets, Statement of Deviations, Summary of Price proposal without Prices, the documentary evidence in support of qualifying requirements, Purchase Order copies with all pages in meeting PQB. Performance Reports issued from other companies/ Organizations, solvency Certificate, Latest Income Tax Returns filed, Copy of PAN Card, firm registration, GST</p>

Registration Certificate, Profit and loss accounts and Balance sheet for the last five years and scanned copy of EMD and other documents as per tender specification.

35 Documents to be submitted (Hard copies) to the Tender inviting authority

The Successful bidder shall invariably furnish two (2) sets of hard copies of all the required documents/ certificates / statements (See Annex-09) uploaded by him along with the original Bank guarantee drawn on any Nationalized Bank towards bid security within the stipulated time either personally or through courier or by post. Receipt of the same within the stipulated time by the tender inviting authority shall be the responsibility of the bidder. Department will not take any responsibility for any delay or non-receipt. Failure to furnish the original Bank Guarantee towards EMD before the stipulated time will entail rejection of bid and black listing.

The tenderer is liable to be disqualified, if he is found to have misled or furnished false information in the forms/Statements/Certificates submitted in proof of qualification requirements and record of performance such as abandoning of work, not properly completing of earlier contracts, inordinate delay in completion of works, litigation history, Financial failures and/or participated in the previous tendering for the same work and has quoted unreasonable high price etc.

Even while execution of the work, if found that the contractor had produced false/fake certificates of experience, he will be black listed and the contract will be terminated and his Bid security will be forfeited and work will be carried out through other agency at his cost and risk.

The tenderer shall furnish the declaration that:

- 1) They have not been black listed in any department due to any reasons.
- 2) They will agree to get disqualified themselves for any wrong declaration in respect of the above and get their tender summarily rejected.
- 3) The soft copies uploaded by them are genuine.

**Note:**

Any incorrectness / deviation noticed will be viewed seriously and apart from canceling the work duly forfeiting the Bid security, criminal action will be initiated including suspension of business and/ or black listing.

## 36 Other Relevant information

- 1) TSGENCO reserves the right to reject any or all the tenders without assigning any reasons thereof.
- 2) TSGENCO reserves the right to amend or modify the tender and its conditions before final date of submission under intimation to the tenderers.
- 3) Any other condition regarding receipt of tenders in conventional method appearing in the tender documents may please be treated as not applicable.
- 4) The contractors have to upload the information preferably in Zip format.
- 5) The contractors are requested to submit the original DDs before the stipulated date and time.
- 6) The contractors should upload the documents duly signing each and every paper.
- 7) For all clarifications & guidance, the bidders may contact the Chief Engineer/ TPC/TSGENCO, A Block, 3rd Floor, VidyutSoudha, Khairatabad, Hyderabad 500082.

37 Site location and nearest railhead at which the erection work is to be carried on.

Bhadradi Thermal Power Station site is located at Bhadradi, Kothagudem District, Telangana, India. Nearest town is Paloncha (65 KM). Nearest railway station is Manuguru (15KM). The site is located at a distance of 320 KM from Hyderabad. Nearest airport is Vijayawada (AP) (220 KM).

38 Any queries related to e Procurement platform like obtaining digital certificates, e procurement registration and tender uploading; please contact M/s VUpadhi Techno Services Private Ltd., Hyderabad. Ph: 040-33762222, 23.

11. Further, it is to submit that, the estimated contract value for the above work/Tender is Rs 109.43 Crores (excluding statutory provisions & GST). As per the Clause No. 1.11, G.O.O.No. 270/GM/(Adm)/ 2003, Date: 24.07.2003, of Delegation of Powers, SPC has full powers for administrative approval of all capital works not included in the Budget. Hence, SPC at Corporate level consisting the Chairman and Managing Director and full time Directors are the approving authority for administrative approvals, Technical Specifications, Pre-qualification criteria & technical bids for the above proposed work. Hence, this proposal is put up for SPC level committee for approval.

218. In view of the above the following are herewith submitted.

- a) It is proposed for administrative approval for the work of "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" for an amount of Rs 135.87 Crores (Rupees One Hundred Thirty five crores and Eighty seven lakhs only) including all Statutory provisions & GST.
- b) It is proposed to meet the budget required for the subject work dully re-appropriating within the capital budget of the BTPS project. Details are as follows
1. An amount of Rs 70 crores from the budget allocated for Railway marshaling yard against Non-EPC (E&M).
  2. An amount of Rs 71.33 crores (incl. GST) from Non-EPC Civil works (details are as mentioned below)
- |   |            |
|---|------------|
| 1) Flood bank along River Godavari (T-0011.04.04) | Rs 39.0 Cr |
| 2) Civil Miscellaneous works (T-0011.04.01)       | Rs 20.0 Cr |
| 3) Development of Green belt (T-0011.04.06)       | Rs 05.0 Cr |
| 4) Compound wall (T-0011.04.03)                   | Rs 02.0 Cr |
| 5) Labour Cess                                    | Rs 03.0 Cr |
| 6) Freight & Insurance                            | Rs 2.33 Cr |
- c) Approval for Draft Tender Specifications and Technical specifications for "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".
- d) Approval for "Floating open tenders on e-Procurement platform with above tender specifications and technical specifications".

219. Submitted for approval of Para No. 218 (a), (b), (c) and (d).

Chief Engineer/TPC

CHIEF ENGINEER/CIVIL/THERMAL:

*These proposals made for meeting the budget requirement for the subject work as per paras 218 b(1) & 218 b(2) by re-appropriating capital budget available against the works mentioned there in may be considered for approval.*

Note continued:

Sub: BTPS (4X270 MW)-CHP - 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-Re-tendering - Approval- Requested- Regarding.

FA & CCA (AUDIT) & CFO

FA & CCA (ACCOUNTS)

COMPANY SECRETARY

DIRECTOR (PROJECTS)

DIRECTOR (THERMAL)

DIRECTOR (CIVIL)

DIRECTOR (HYDEL)

DIRECTOR (HR)

DIRECTOR (COMMERCIAL & FUEL)

DIRECTOR (FINANCE)

CHAIRMAN & MANAGING DIRECTOR

The claim relating to SV/consortium @ paper 400 is the earlier NAT, stating that no new consortium / joint venture is allowed. Only consortium / joint venture with one year and requisite experience will be considered in deleted in this revised NAT.

The reasons may be drawn.

C. 21/5/25

C. J. 200

**Note continued:**

Sub: BTPS (4X270 MW)-CHP – 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- Re-tendering - Approval- Requested- Regarding.

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222. As per the remarks of FA & CCA (AUDIT) & CFO at Para No.221 of Note file, i.e. the clause relating to JV/Consortium @page no 40 in the earlier NIT stating that “no new consortium/joint venture is allowed. Only consortium/joint venture with one year and requisite experience will be considered”, is deleted in the revised NIT, the reasons are as mentioned below

1. As there was no response from bidders, the pre qualification has to be changed to allow the response from bidders and to have better competition.
2. Regarding the experience criteria, the clause was extracted from the BHEL/PSWR NIT and CE /CIVIL/Thermal NIT integrated township tender with little modification allowing only Indian manufacturing companies, which was already stated vide Para number 211.
3. Further at the time of the earlier tender, one of the vendor has requested “to allow the new JVs to be eligible participate in the tender” Accordingly the pre qualification was modified.

223. Submitted for approval of Para No. 218 (a), (b), (c) and (d).

Chief Engineer/TPC

224) FA & CCA (AUDIT) & CFO : *[Signature]*

225) FA & CCA (ACCOUNTS) : *[Signature]*

226) COMPANY SECRETARY : *[Signature]* 21/07/23

Note continued:

Sub: BTPS (4X270 MW)-CHP - 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-Re-tendering - Approval- Requested- Regarding.

227) DIRECTOR (PROJECTS) :

228) DIRECTOR (THERMAL) :

229) DIRECTOR (CIVIL) :

Note contd at p. No. 89

229) 22.11.83

DIRECTOR (HYDEL) :

DIRECTOR (HR) :

DIRECTOR (COMMERCIAL & FUEL):

DIRECTOR (FINANCE) :

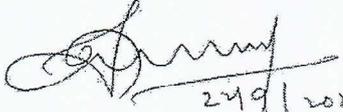
CHAIRMAN & MANAGING DIRECTOR :

Note continued:

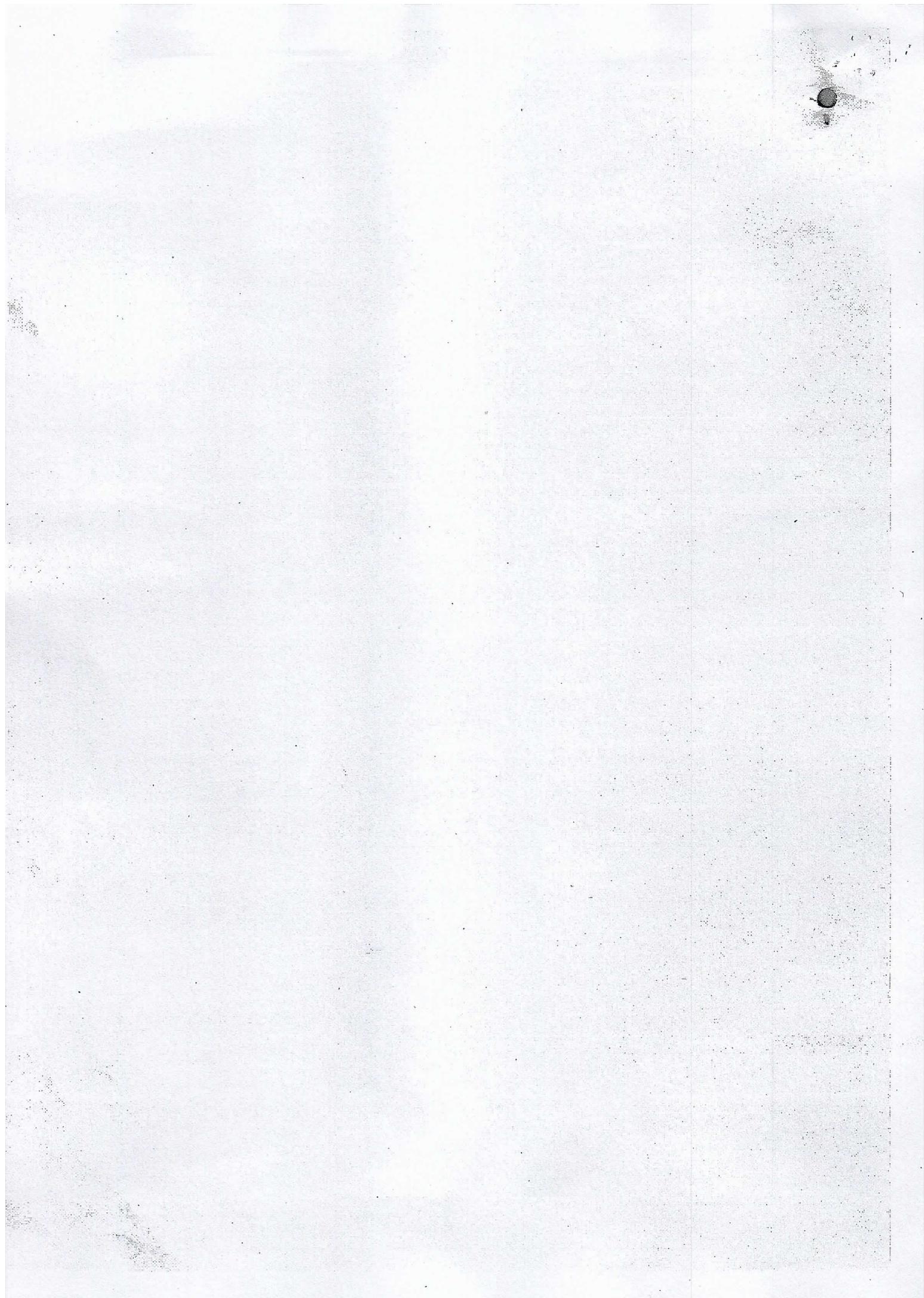
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229. i) The revised estimate value of the civil works pertaining to space frame structure etc. is increased from Rs. 58.50 Cr. to Rs. 91.80 Cr. which is on very high side.

ii) The reasons for increasing the value of estimate as stated above may be discussed in detail duly obtaining the justification from the consultant M/s TCE Ltd. who has prepared the estimate and put up.

  
24/9/2023  
Director/Civil

230. Chief Engineer/TPC:



**Note continued:**

Sub: BTPS (4X270 MW)-CHP – 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-Re-tendering - Approval- Requested- Regarding.

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228. It is to submit that, Director(Civil) has remarked the following at Para No.227 of Note file,

- i) The revised estimate value of the civil works pertaining to space frame structure etc. is increased from Rs. 58.50 Cr. to Rs. 91.80 Cr. which is on very high side.
- ii) The reasons for increasing the value of estimate as stated above may be discussed in detail duly obtaining the justification from the consultant M/s TCE Ltd. who has prepared the estimate and put up.

229. In this context, a letter Dt.22/09/2023 was addressed to M/s TCE Ltd, requesting to submit the reasons along with detailed justification for increase in the estimate value from Rs. 58.50 cr to Rs.91.80 cr .

230. In reply, M/s TCE Ltd vide letter No.TCE.12885A/PJ/K/004, Dt: 22.09.2023, has submitted the reasons along with detailed justification for increase in the estimate value from Rs. 58.50 cr to Rs.91.80 cr . The same is herewith enclosed for perusal. The reasons and detailed justification submitted by the M/s TCE Ltd are as follows.

- Earlier estimate was arrived based on Pre-feasibility report. But, now considering the site conditions and remarks of the Chief Engineer/ Construction/BTPS, Foundation has been changed from isolated foundation to combined raft foundation due to which RCC Quantities are increased. Further, the rate for RCC is arrived based on SSR 2023-2024
- Space frame balls price was not considered in earlier estimate. In the Present Estimate Price of Each ball considered separately which is arrived from manufacturer & supplier. Steel Pipe price considered as Rs.1,30,000/Ton in old estimate, in new estimate considered as Rs. 1,65,000/Ton as per Manufacturer & supplier. Fire Fighting, drains pipe arrangement added which was not included in Old Estimate.

- Travelling tripper Slab changed from Structural steel platform to RCC Platform which increased RCC quantities and price revised & Modified based on SSR 2023-2024.
- Reinforced Steel price for Travelling tripper slab is added, Junction tower & Trestle structural steel price is modified and RCC/steel quantities increased and prices are revised & Modified based on SSR 2023-2024.
- Road length has been modified from 500m to 600m as per site Conditions.
- Misc item cost indicated in earlier estimate is removed in New estimate..
- In new estimate separate cost was added for hiring of moving Cranes
- In new estimate separate cost was added for shed grading works.
- In new estimate, prices arrived as per latest SSR rates (Steel Price) for mechanical items

231. Submitted for approval of Para No. 218 (a), (b), (c) and (d).

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 1965  
 1965

Chief Engineer/TPC

~~DIRECTOR (CIVIL)~~

*[Signature]*  
 22/9/2023

~~DIRECTOR (PROJECTS)~~

*[Signature]*  
 22/9/23

~~DIRECTOR (THERMAL)~~

*[Signature]*  
 22/09/2023

~~DIRECTOR (HYDEL)~~

448  
 22/7/23

- Travelling tripper Slab changed from Structural steel platform to RCC Platform which increased RCC quantities and price revised & Modified based on SSR 2023-2024.
- Reinforced Steel price for Travelling tripper slab is added, Junction tower & Trestle structural steel price is modified and RCC/steel quantities increased and prices are revised & Modified based on SSR 2023-2024.
- Road length has been modified from 500m to 600m as per site Conditions.
- Misc item cost indicated in earlier estimate is removed in New estimate.
- In new estimate separate cost was added for hiring of moving Cranes
- In new estimate separate cost was added for shed grading works.
- In new estimate, prices arrived as per latest SSR rates (Steel Price) for mechanical items

231. Submitted for approval of Para No. 218 (a), (b), (c) and (d).

Date: 22/9/23  
 No. 1282-Form-22/9/23

*[Signature]*  
 Chief Engineer/TDC

DIRECTOR (CIVIL)

*[Signature]*  
 22/9/2023

DIRECTOR (PROJECTS)

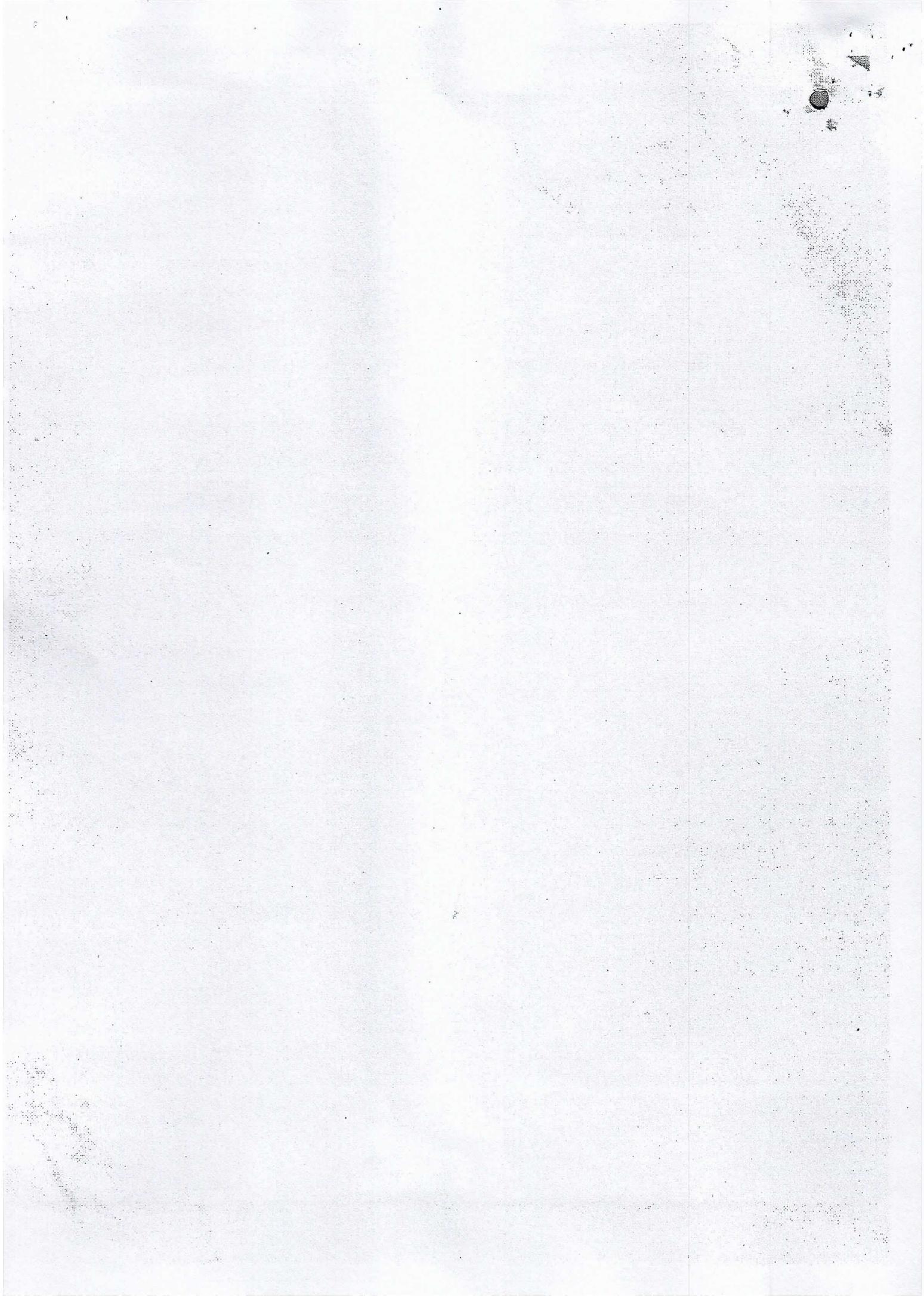
*[Signature]*  
 22/9/23

DIRECTOR (THERMAL)

DIRECTOR (HYDEL)

*[Signature]*  
 22/9/2023

448  
 22/9/23



Note continued:

Sub: BTPS (4X270 MW)-CHIP - 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-Re-tendering - Approval- Requested- Regarding.

DIRECTOR (HR) (EAC)

*[Signature]*  
22/09/2023

DIRECTOR (COMMERCIAL & FUEL):

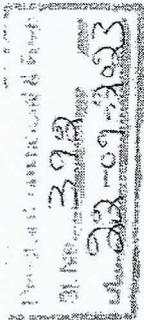
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DIRECTOR (FINANCE)

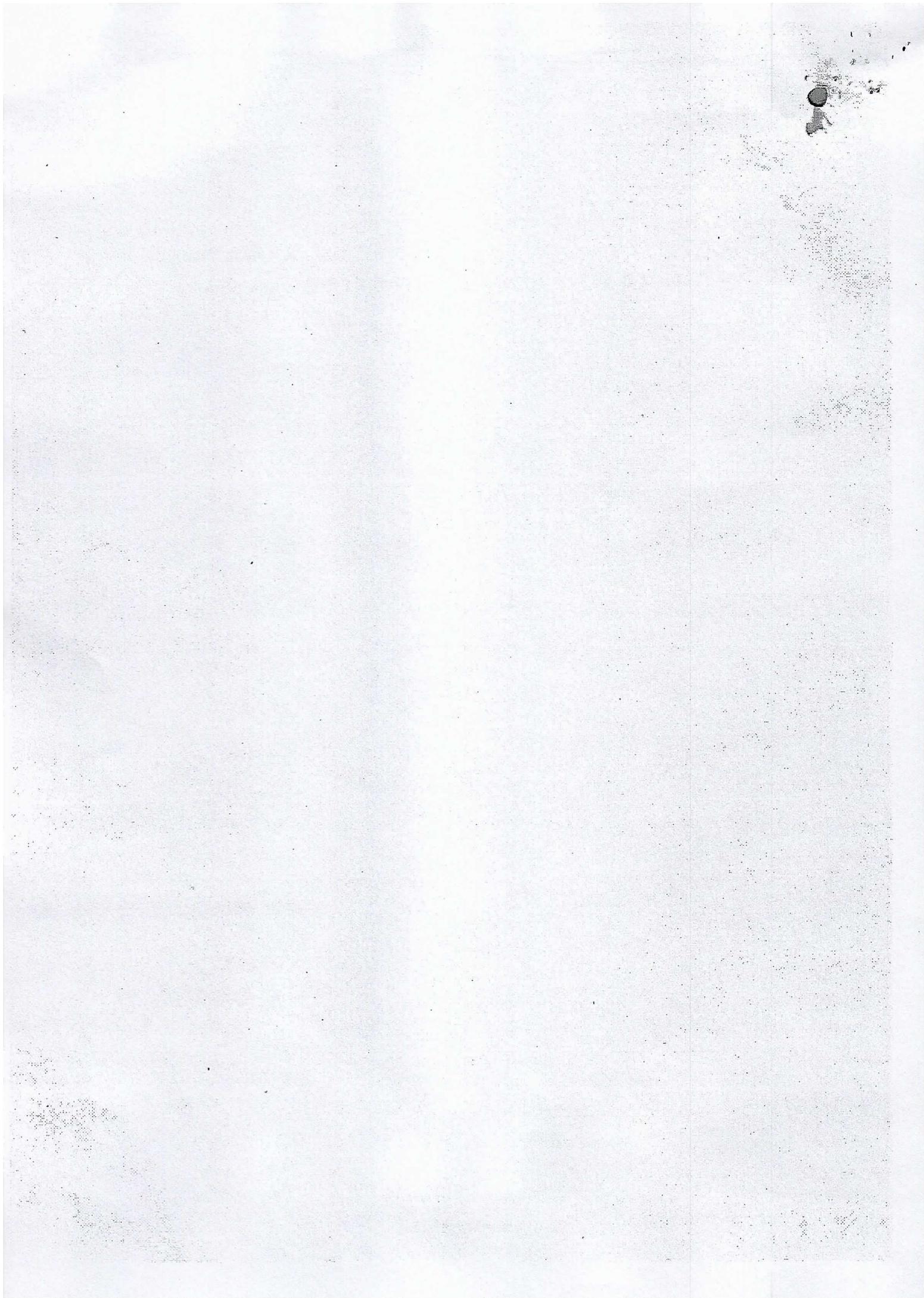
~~CHAIRMAN & MANAGING DIRECTOR :~~

*The increased cost due to revision is quite on high side the modification should have been thought of while floating the cancelled tender. It looks the consultant who has not scrutinized properly. It is advised, whether the modifications are submitted if so the justification for increase in cost.*

4145  
22/09/2023



1455  
23/09/2023



**Note continued:**

Sub: BTPS (4X270 MW)-CHP – 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-Re-tendering - Approval- Requested- Regarding.

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240. As per the remarks of the Chairman & Managing Director at Para No.239 of Note file ante. i.e. "the increased cost due to revision is quite on high side. The modification should have been thought of which floating the canceled tender. It looks the consultant also has not scrutinized properly. Please re examine whether the modifications are essential, if so justification for increase in cost", the following are herewith submitted.

241. In this context, a letter Dt.25/09/2023 was addressed to M/s TCE Ltd, duly informing that the competent authority of TSGENCO has remarked as "the increased cost due to revision is quite on high side. The modification should have been thought of which floating the canceled tender. It looks the consultant also has not scrutinized properly. Please re examine whether the modifications are essential, if so justification for increase in cost" and requesting to scrutinized the estimate properly and submit the detailed justification for increase in cost.

242. In reply, M/s TCE Ltd vide letter No.TCE.12885A/PJ/K/005, Dt: 25.09.2023, has submitted the reasons along with detailed justification for increase in the estimate value as follows.

- In the old estimate the quantity of concrete for foundation was considered as 3528 cum at the rate of RS.11000/cum. Now, in the revised estimate the total Qty of raft foundation comes around 9072 cum and rate is arrived based on SSR 23-24 for Rs14,252/cum. The quantity is increased due to change of foundation from isolated footings to combined raft foundations. Further, in the old estimate, M30 design mix concrete was proposed, whereas now M40 design mix concreted has been considered.

- In the old estimate the reinforcement quantity was considered as 352.8MT for construction of isolated footings at the rate of Rs.90000 /MT. Now, in the revised estimate the reinforcement quantity increased to 1179.36MT which is due to change of foundation from isolated footings to combined raft foundations and the rate is arrived to Rs 87683.22 /MT based on SSR 2023-24
- Further, in the old estimate the balls weight coming on the structure was not considered, which is now considered in the new estimate due to which the weight of the space frame structure increased and caused increase in structural quantities.
- The excavation quantity of 18600cum was not considered in the old estimate, which is now considered in the new estimate.
- Following are not covered in the old estimate, which are now considered in the revised estimate, and are very essential for the subject work. Hence increase in the cost towards respective items.
  - i) Fire fighting arrangement
  - ii) Rain water pipes
  - iii) Grouting for pedestals.
- Initially in the old estimate the quantity of sheeting was considered as 36000Sqm @Rs 1200/sqm which is now reduced to 35000 sqm @Rs 896.44/sqm as per site requirement and based on the SSR 23-24 respectively. Hence, there is a reduction in the estimate cost for this item.
- Initially in the old estimate the quantity of space frame structure was considered as 2365 MT, which is now considered as 1950MT (1530 MT towards frame pipes and 420MT towards space frame structural members like plates, purlin etc) . The rates for the space frame pipes are obtained from the manufacturers & suppliers. Due to this there is a minor increase in the estimate cost.
- In the old estimate for space frame structure different types of balls, end cones, sleeves & bolts were not considered, which is now considered in the new estimate. The rates for the different types of balls, end cones, sleeves & bolts are obtained from the manufacturers & suppliers, due to which there is increase in estimate cost.

- Initially in the old estimate travelling tripper was considered as structural steel platform. Now in the revised estimate it was changed to RCC platform. This results in variation of quantities and further the rates for the items are arrived based on the SSR 23-24. Due to which there is increase in the estimate cost.

243. Further, it is to submit that, a letter Dt.26.07.2023 was received from Chief Engineer/Construction/ BTPS, requesting to consider the following, while revising the technical specification and estimate.

- The travelling tripper resting slab may be considered to be changed from structural elevated platform to RCC elevated platform to avoid vibrations and for better maintenance.
- The space frame foundation may be changed from isolated footings foundation to combined footing foundations for better stability and easy and faster construction.

244. In view of the site geological conditions the request of Chief Engineer/Construction/ BTPS was considered and a letter dated: 26.07.2023 was addressed to M/s TCE Ltd, consultants to examine the technical specifications as per the remarks from the Chief Engineer/Construction/BTPS.

245. Submitted for approval of Para No. 218 (a), (b), (c) and (d).

Chief Engineer/TPC

DIRECTOR (PROJECTS)

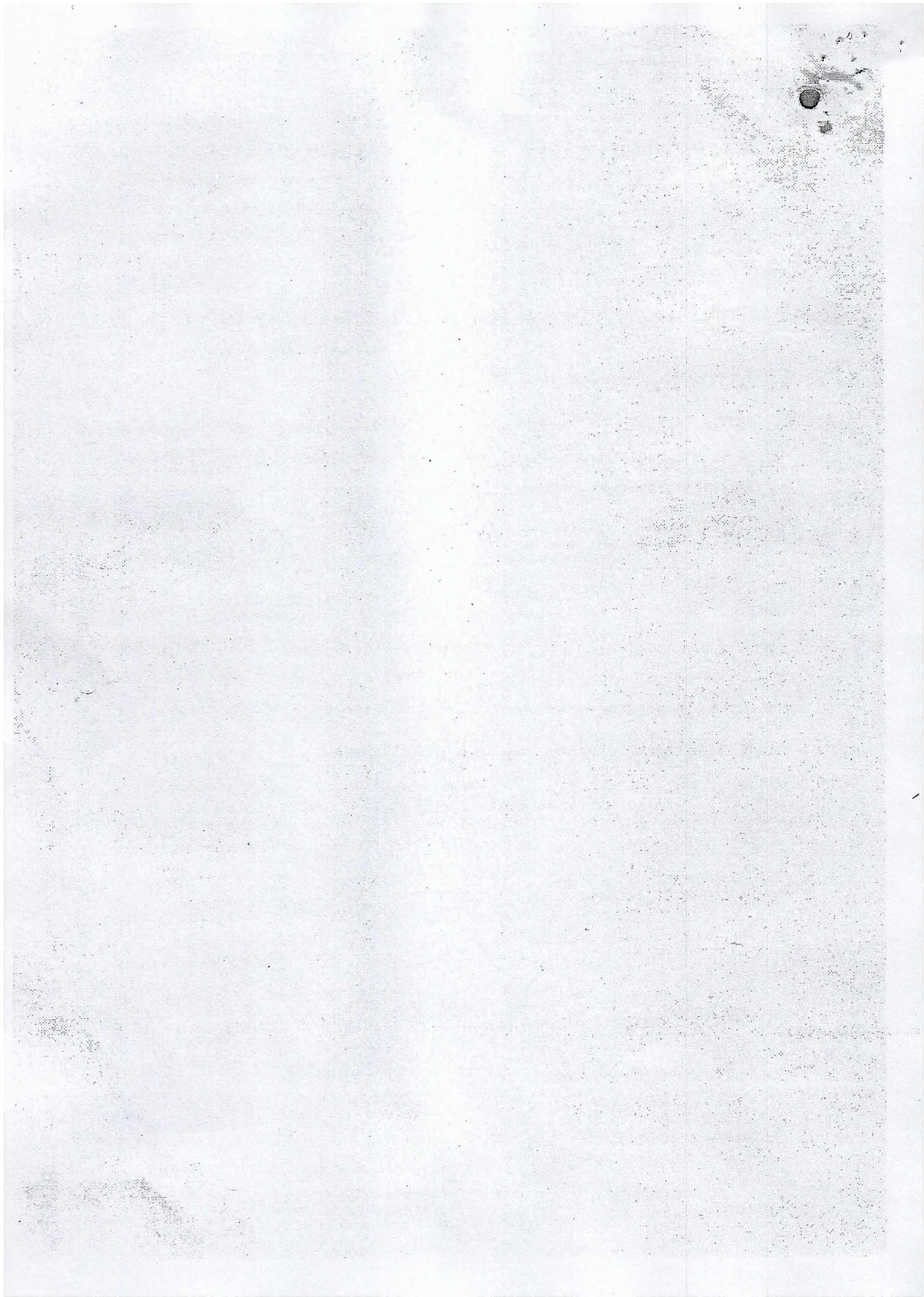
  
25/9/23

DIRECTOR (CIVIL)

  
15/9/2023

CHAIRMAN & MANAGING DIRECTOR :





**Note Continued:**

Sub: BTPS (4X270 MW) - CHP – 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 – Tendering Process – Evaluation of Price Bids and Negotiations date & time-Approval-Requested-Regarding.

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623. As per the approval accorded at Para No (622) of note file ante, price bid of the following bidders participated in the subject tender was opened on 08.10.2025 at 15:00 Hrs.

- 1) M/s. SHIRDI SAI ELECTRICALS LIMITED, Hyderabad.
- 2) M/s SLR INFRASTRUCTURE PRIVATE LIMITED, Hyderabad.

624. It is to submit that, the rates offered by the above two bidders in their Price Bid for the subject work against the tender No: NIT e-pct-B/02/CE/TPC/SE-I/EME-16/BTPS/CHP/2025 (tender Id No. 608237) are as follows.

Estimated contract value is Rs.109,43,00,000/- (Excluding statutory provisions & GST)

S l. N o	Name of the bidder	Rate offered in Price Bid	Excess/Less Amount & percentagc	Commercial deviation/ Loading due to commercial deviations	Remarks
1	M/s. Shirdi Sai Electricals Limited, Hyderabad.	Rs 129,72,17,447/- (Rs. One Hundred and Twenty Nine Crores Seventy Two Lakhs Seventeen Thousand Four Hundred and Forty Seven only) (Excluding GST)	Excess (+)  Rs. 20,29,17,447/-  18.54% excess	NIL	L1 bidder
2	M/s SLR Infrastructure Private Limited, Hyderabad.	Rs 142,07,35,420/- (Rs One Hundred and Forty Two Crores Seven Lakhs Thirty Five Thousand Four Hundred and Twenty only) (Excluding GST)	Excess(+)  Rs. 32,64,35,420/-  29.83% excess	NIL	L2 bidder

(t)

(u)

625. Further, the rate of Rs 129,72,17,447/- (Excluding GST) offered by the L1 bidder i.e. M/s. Shirdi Sai Electricals Ltd., Hyderabad is Rs. 20,29,17,447/- Excess than the estimated contract value of the tender i.e., Rs. 109,43,00,000/- (Excluding statutory provisions and GST). The rate offered by the L1 bidder is **18.54%** excess than the estimated contract value.

626. Further, the rate of Rs 142,07,35,420/- (Excluding GST) offered by the L2 bidder i.e. M/s SLR Infrastructure Pvt Ltd., Hyderabad, is Rs. 32,64,35,420/- Excess than the estimated contract value of the tender i.e., Rs. 109,43,00,000/- (Excluding statutory provisions and GST). The rate offered by L2 bidder is **29.83%** in excess to the estimated contract value.

627. Accordingly, price bid comparative statement of both the firms has been prepared and the complete Note file along with Price Bid Evaluation statement was sent to the FA & CCA (Audit) vide this office U.O dated: 10.10.2025 for arranging arithmetic accuracy checkup. The complete Note file was re-transmitted in original to this office vide FA&CCA (Audit) letter Dt: 10.10.2025 after conducting arithmetical accuracy check-up and with observation of "It is observed that the quoted price of L1 bidder is on higher side when compared to the estimate." (V) (W)

628. In this regard, it is to submit that, early completion of the subject work is very essential to have a raw coal storage shed at BTPS project. As there is no raw coal storage yard with shed at BTPS, during the monsoon season wet coal is being transported from Manuguru open cast mines to BTPS site by trucks. The wet coal is being fed to the bunkers through apron feeders which is leading to crusher jams, chute jams, belt snapping and other equipment damages leading to frequent interruptions in coal feeding causing generation loss. Hence, it is necessary to divert the raw coal before crusher house, to store this raw coal in raw coal storage yard with shed having storage capacity of approximately 1.5 lakh MT.

629. In this regard, it is appropriate to conduct negotiations with L1 bidder i.e., M/s. Shirdi Sai Electricals Ltd., Hyderabad as the quoted value is 18.54% excess than the Estimated price.

630. The present proposal falls under SPC level committee as per the clause No.1.11 of G.O.O.No.270/GM/(adm)/2003 of delegation of powers. Hence as per the G.O.O No.430/CGM(A)/2006, Dt:18.11.2006 Negotiations for Stores purchase committee shall be conducted by a Committee consisting of the following members with the L1 Bidder. (x)

- Director/(Thermal & Projects).
- Director/Civil.
- Director/(Finance & Commercial).
- Chief Engineer/TPC.
- Superintending Engineer-1/TPC.
- FA & CCA (Accounts).

631. After conducting negotiations, with M/s. Shirdi Sai Electricals Ltd., Hyderabad, on price, other terms & conditions with a Committee consisting of members as mentioned in the above para, the necessary proposal shall be placed before the Board. *through circulation*

632. In view of the above, the following proposals are herewith submitted for perusal and approval.

- a) It is proposed to conduct negotiations with L1 Bidder i.e M/s. Shirdi Sai Electricals Ltd., Hyderabad, as the Bidder quoted price is Rs 129,72,17,447/- (Excluding GST) which is Rs.20,29,17,447/- Excess than the estimated contract value of the tender i.e., Rs. 109,43,00,000/- (18.54% more than the Estimated contract value).
- b) It is submitted to indicate convenient date and time for conducting negotiations with M/s. Shirdi Sai Electricals Ltd., Hyderabad

633. Submitted for approval of Para No.632 (a) & (b).

*P.V. S.S.* 11/10/15  
CHIEF ENGINEER/TPC

634 FA & CCA (Audit)

: *V. V. S. S.*



Director (HR)  
SL No. 3124  
Dt. 16/10/2025

Note Continued:

Sub: BTPS (4X270 MW) - CHP - 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 - Tendering Process - Evaluation of Price Bids and Negotiations date & time-Approval-Requested-Regarding.

Director (Hydel)  
Sl No 252 Date 16/10/25

FA & CCA (Accounts) & CFO

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*[Signature]*

COMPANY SECRETARY

Under the Delegation of powers of SPC committee which has full powers to approve the proposal. Hence, the proposal may be considered by SPC please. *[Signature]* 15/10/25

CHIEF ENGINEER/Civil/Thermal

*[Signature]* 15/10/25

DIRECTOR/(Thermal & Projects)

*[Signature]* 15/10

DIRECTOR/(Civil)

*[Signature]* 15/10/2025

DIRECTOR/(Hydel)

*[Signature]* 14/10/2025

DIRECTOR/(HR&IR)

*[Signature]* 16/10

DIRECTOR/(Coal & Logistics)

*[Signature]* 12/10/2025

DIRECTOR/(Finance & Commercial)

*[Signature]* 17/10/2025

644 CHAIRMAN & MANAGING DIRECTOR:

21.10

*[Signature]* 17-10

Director (Thermal & Projects)  
S. No. 375  
Date 15/10/2025

Director/Civil  
Sl No 222 Date 15/10/25

Director (Coal & Logistics)  
Sl No 151 Dt. 16/10/2025

Chairman & Managing Director  
TGGENCO.  
Reg. No. 2011  
Date 17/10/2025

**Note Continued:**

**Sub:** BTPS (4X270 MW) - CHP – 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– Tendering Process –Negotiations conducted with L1 Bidder- Issuing of Letter of Intent to L1 bidder-Approval-Requested-Regarding.

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645. As approved at para no.644 of note file ante, negotiations with L1 Bidder i.e M/s. Shirdi Sai Electricals Ltd., Hyderabad has been conducted on 21.10.2025 & 11:00 Hrs in the chambers of Chairman & managing Director/TGGENCO/Vidyut Soudha, Hyderabad by a Committee consisting of the following members.

- Director/(Thermal & Projects).
- Director/Civil.
- Director/(Finance & Commercial).
- Chief Engineer/TPC.
- Superintending Engineer-1/TPC.
- FA & CCA (Accounts).

646. In this regard, it is to submit that, after due deliberation with M/s. Shirdi Sai Electricals Ltd., Hyderabad, the firm has submitted their final offer vide letter Ref.No.SSEL/TGGENCO/BTPS-CHP/005, Dt:21.10.2025 for an amount of Rs.123,10,87,500/- (Excluding statutory provisions & GST)

647. The final price i.e Rs. 123,10,87,500/- (Excluding statutory provisions & GST) offered by the L1 Bidder M/s. Shirdi Sai Electricals Ltd., Hyderabad, is Rs.13,67,87,500/- is more than the estimated contract value of the tender i.e Rs.109,43,00,000/- which is 12.5% excess to the estimated contract value.

The final price offered by the L1 Bidder (Excluding statutory provisions & including GST) is Rs.145,26,83,250/.

648. In view of the above, it is to submit that, Board Level Committee has financial powers for more than Rs.25 Crores as per Memo.no. CGM (Adm.IS & ERP)/DS (Adm-III)/AS(adm-III)/P.O.1/D.No.8/15, Dt:16.01.2015. Accordingly, vide para no.631 of note file, approval was taken to put up the proposal before TGGENCO Board.

649. Further, it is to submit that, early completion of the subject work is very essential to have a raw coal storage shed at BTPS project. As there is no raw coal storage yard with shed at BTPS, during the monsoon season wet coal is being transported from Manuguru open cast mines to BTPS site by trucks. The wet coal is being fed to the bunkers through apron feeders which is leading to crusher jams, chute jams, belt snapping and other equipment damages leading to frequent interruptions in coal feeding causing generation loss. Hence, it is necessary to divert the raw coal before crusher house, to store this raw coal in raw coal storage yard with shed having storage capacity of approximately 1.5 lakh MT.
650. It is to inform that, administrative approval for the subject work was accorded for an amount of Rs.135.87 Crores (Including statutory provisions & GST) vide para no.248 of note file.
651. The present proposal cost is Rs.145,26,83,250/- (Excluding statutory provisions & Including GST) and approximately Rs.151 Crs (Including statutory provisions and GST), which is more than the approved administrative value of Rs.135.87 Crores. (i.e  $151 - 135.87 \text{ Crs} = \text{Rs.}15.13 \text{ crores}$ ). Accordingly the enhanced budget required for the subject work will be met from the available Non EPC (E&M) of capital budget of BTPS Project.
652. In view of the emergency of the work as explained vide para no.649 above, the following proposals are herewith put up for approval of TGGENCO Board by circulation.
- i) Revised administrative approval for an amount of Rs.151 Crores for the present proposal as the previous administrative approval accorded for an amount of Rs.135.87 crores only.
  - ii) To issue the Letter of Intent to M/s. Shirdi Sai Electricals Ltd., Hyderabad for an amount of Rs. 123,10,87,500/- (Excluding statutory provisions & GST) and Rs.145,26,83,250/- (Incl of GST & Excluding statutory provisions) for taking up the work of " 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."

553. Submitted for approval of Para No.652 (i&ii), if approved, Letter of Intent will be issued to M/s. Shirdi Sai Electricals Ltd., Hyderabad for an amount of Rs. 123,10,87,500/- (Excluding statutory provisions & GST) .

*P.V.S.S 21/10/25*  
CHIEF ENGINEER/TPC.

Director (Projects)  
Sl. No. 263  
Dt. 21/10/25

COMPANY SECRETARY

: *Arundhathi / 21/10/25*

Director (Thermal & Projects)  
S. No. 408  
Date: 21/10/2025

DIRECTOR/(Thermal & Projects)

: *Arundhathi / 21/10/25*

DIRECTOR/(Civil)

: *Arundhathi / 21/10/25*

Director/Civil  
Sl. No. 1906  
Date: 21/10/25

DIRECTOR/(Hydel)

: *Arundhathi / 21/10/2025*

DIRECTOR/(HR&IR)

: *Arundhathi / 21/10*

Director (Coal & Logistics)  
Sl. No. 169  
Dt. 21/10/2025

DIRECTOR/(Coal & Logistics)

: *Arundhathi / 21/10/2025*

DIRECTOR/(Finance & Commercial)

: *Arundhathi / 21/10/2025*

Director (HR)  
Sl. No. 323  
Dt. 21/10/25

(Contd.,)



**Note Continued:**

Sub: BTPS (4X270 MW) - CHP – 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- Tendering Process –Negotiations conducted with L1 Bidder – Issuing of Letter of Intent to L1 bidder-Approval-Requested-Regarding.

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**Principal Secretary to Government  
Energy Department  
(Non-Whole-Time Director)**

*Harin Kullil*

**CHAIRMAN & MANAGING DIRECTOR:**

*22-10*

Chairman & Managing Director  
TGCENCO.  
Reg. No. 2034  
Date: 2.1.10/2015

Di:  
Director (Coal & Logistics)