



ODISHA POWER TRANSMISSION CORPORATION LIMITED  
REGD. OFFICE: JANPATH, BHUBANESWAR- 751022

UOI No. 247 /

Dated 24.12.2024

To

ED (Central Zone)  
OPTCL, Bhubaneswar.

Please refer to the Memorandum submitted by your branch which were placed vide Agenda Item No. 8, 9 and ~~any other matter~~ for Consideration and approval of the board of directors of OPTCL in the 148<sup>th</sup> Meeting held on 20.12.2024.

Relevant extracts of the Board are appended/ enclosed below.

You are requested to kindly take action, if any, in issuing appropriate instructions/ office orders within seven days of receipt of this communication. A compliance report may please be furnished for placing the same in the next meeting for review by the Board.

Encl: As above

*By*  
24.12.24  
COMPANY SECRETARY

*Behera*  
*S. S.*  
24.12.2024

**EXTRACTS OF MINUTES OF 148<sup>th</sup> MEETING OF THE BOARD OF DIRECTORS OF  
ODISHA POWER TRANSMISSION CORPORATION LTD. HELD ON 20.12.2024 AT  
10.30 AM AT THE REGISTERED OFFICE OF THE CORPORATION AT OPTCL  
TECH TOWER, JANPATH, BHUBANESWAR.**

**Item-8: Approval for 1<sup>st</sup> revised BoQ of works contract for “Construction of 400KV D/C line from Loc no.1 (dead end tower 400/220KV AIS S/S at New Duburi) to Loc. no. 182 & 220KV D/C line from Ersama to Pratapsasan along with two 220KV bay extension at existing 220/132/33KV Grid S/S, Pratapsasan” in favour of M/s. Transrail Lighting Ltd.**

Director (Project) informed the Board that the construction of 400KV D/C line from Loc. No.1 (dead end tower 400/220KV AIS S/S at New Duburi) to Loc. No.182 & 220KV D/C line from Ersama to Pratapsasan along with 2 no. 220KV bay extension at 220/132/33KV Grid S/S, Pratapsasan has been awarded to M/s. Transrail Lighting Ltd. at a total contract price of Rs.2,44,14,33,571.72. During execution of the work, there has been variation of quantities of materials in supply, erection and civil work which has resulted in overall increase of project cost to Rs.2,90,90,87,333.52, which is 19.15% higher than original LoA price. The major reasons for increase are as under:

- In supply contract for 220KV bay extension and 220KV & 400KV lines, the major increase is due to consideration of Wind Zone-6 design and non-availability of realistic data during estimation, which has resulted increase in quantity of tower structures, GI Nuts and Bolts. The new designs of the structures and drawings have been duly vetted by IIT, Mumbai. The overall increase in supply portion of the total contract comes to Rs.2,92,61,903.82.
- Corresponding increase has been reflected in the electrical erection portion of the contract for 220KV bay extension and 220KV & 400KV lines.
- In civil erection portion of the contract, due to low SBC of the soil at majority of the locations, adopting Wind Zone-VI category, pile type foundations of 1 mtr. diameter are considered other than riverbed locations as per the soil strata/bearing capacity. Thereby boring quantity for 1000 mm dia (by DMC) increased and 500 mm dia boring quantity has been nullified. The overall increase in civil erection portion of the contract worked out to Rs.42,62,87,177.17.
- It was confirmed that the unit rates for all the enhanced quantity within 25% of the BoQ has been considered as per LoA rates. For quantities increased beyond 25%, least price has been considered in line with the contract terms (i.e. least of LoA price/ Cost Data price/ Rate Contract price available with OPTCL ) resulting in the reduction of contract price by Rs 8,69,11,924.12 as brought out in the Agenda. This reduction in prices has been taken care in the proposed Amendment. Further, it was clarified that the reduced Unit prices proposed in the Amendment are justified and are as per the prevalent market rate.
- Further, in line with earlier decisions of the Board, the EPC agency was again invited for further negotiation. But, the agency declined for any further reduction citing justifications as detailed in the memorandum:



Considering all above facts and figures, the overall project cost has been increased by Rs.46,76,53,761.80, as per detailed statement mentioned below:

(In rupees)


Description	LoA Price	Revised LoA price	Total Increase	% Increase w.r.t. LoA
Supply Component	1,49,17,74,432.51	1,52,10,36,336.32	2,92,61,903.82	1.96%
Electrical Component	14,10,44,731.63	15,31,49,412.44	1,21,04,680.81	8.58%
Civil Component	80,86,14,407.58	1,23,49,01,584.75	42,62,87,177.17	52.72%
Total Project Cost	2,44,14,33,571.72	2,90,90,87,333.52	46,76,53,761.80	19.15%

PSC after detailed examination of the proposal has recommended to the Board for approval of revised BoQ amount of Rs.2,90,90,87,333.52, which is 19.15% higher than the original LoA price Rs.2,44,14,33,571.72.

The Board noted the quantity variations in supply, erection and civil works and the reasons thereof as per details mentioned in the memorandum and after discussion, approved the 1<sup>st</sup> revised BoQ of the contract for "Construction of 400KV D/C line from Loc. No.1 (dead end tower 400/220KV AIS S/S at New Duburi) to Loc. No.182 and 220KV D/C line from Ersama, Paradeep to Pratapsasan along with 2 no. 220KV bay extension at existing 220/132/33KV Grid S/S, Pratapsasan" with an revised project cost amounting to Rs.2,90,90,87,333.52 as recommended by PSC.

Further Board advised, OPTCL should investigate the reasons for such delays in reporting/ putting up to the competent authority and advised them to prepare and implement a comprehensive internal control system to avoid such situations in future. In case of such eventuality the same should be brought to the knowledge of competent authority early in future so that Competent Authority can take a prudence decision including alternate solution to optimize the project cost and delay in Project execution.

CERTIFIED TRUE COPY

  
COMPANY SECRETARY

**EXTRACTS OF MINUTES OF 148<sup>th</sup> MEETING OF THE BOARD OF DIRECTORS OF  
ODISHA POWER TRANSMISSION CORPORATION LTD. HELD ON 20.12.2024 AT  
10.30 AM AT THE REGISTERED OFFICE OF THE CORPORATION AT OPTCL  
TECH TOWER, JANPATH, BHUBANESWAR.**

**Item-9: Approval for 1<sup>st</sup> revised BoQ of the contract for “Construction of 400KV D/C line from Loc. no. 358 (dead end tower of proposed GIS at Ersama) to Loc. No. 182 & 220KV D/C line from Ersama to Paradeep along with two 220KV bay extension at existing 220/132/33KV Grid S/S Paradeep” in favour of M/s. RS Infra projects Pvt. Ltd. JV with M/s. A.K.Das Associates Ltd.**

Director (Project) informed the Board that the construction of 400KV D/C line from Loc. No. 358 (dead end tower of proposed GIS at Ersama) to Loc. No. 182 & 220KV D/C line from Ersama, Paradeep along with 2 nos. 220KV bay extension at existing 220/132/33KV Grid S/S, Paradeep has been awarded to M/s. RS Infraprojects Pvt. Ltd. JV M/s. A.K.Das Associates Ltd. at an original contract price of Rs.2,33,35,71,645.99.

During execution of the work, there has been variation of quantities of materials in supply, erection and civil work which has resulted in overall increase of project cost to Rs.2,96,71,96,179.84, which is 27.15% higher than LoA value. The major reasons for increase are as under:

- In supply contract for 220KV bay extension and 220KV & 400KV lines, the major increase is due to consideration of Wind Zone-6 design and non-availability of realistic data during estimation and has resulted in increase in quantity of tower structures, GI Nuts and Bolts. The new designs of the structures and drawings are duly vetted by IIT, BHU. The total overall increase in supply portion of the total contract amounts to Rs.17,70,45,830.67.
- Corresponding increase has been reflected in the Electrical Erection portion of the contract for 220KV bay extension and 220KV & 400KV lines.
- In civil erection portion of the contract, it was observed that SBC of the soil is low for majority of the locations and with the adoption of Wind Zone-VI category, pile foundations of 1 mtr dia. are considered other than riverbed locations as per the soil strata/bearing capacity. Subsequently boring quantity for 1000 mm dia (by DMC) also increased and open cast foundations have been nullified. The total overall increase in civil erection portion of the total contract comes to Rs.44,54,85,529.67.
- It was confirmed that the unit rates for all the enhanced quantity within 25% of the BoQ has been considered as per LoA rates. For quantities increased beyond 25%, least price least price has been considered in line with the contract terms (i.e. least of LoA price/ Cost Data price/ Rate Contract price available with OPTCL ) resulting in the reduction of contract price by Rs 6,87,09,566.22 as brought out in the Agenda. This reduction in prices has been taken care in the proposed Amendment. Further, it was clarified that the reduced Unit prices proposed in the Amendment are justified and are as per prevalent market rate.
- Further, in line with earlier decisions of the Board, the EPC agency was invited for further negotiation. But, the agency declined for further reduction citing justifications as detailed in the memorandum:



- Considering all above facts and figures, the overall project cost has been increased by Rs.63,36,24,533.84, which is 27.15% more than the original contract value. The revised cost implication in the BoQ amendment is as mentioned below:

(In rupees)


Description	LoA Price	Revised LoA Price	Increase	% Increase w.r.t. LoA
Supply Component	1,37,19,28,299.35	1,54,89,74,130.01	17,70,45,830.67	12.90%
Electrical Component	9,56,02,962.31	10,66,96,135.81	1,10,93,173.50	11.60%
Civil Component	86,60,40,384.34	1,31,15,25,914.01	44,54,85,529.67	51.44%
Total Project Cost	2,33,35,71,645.99	2,96,71,96,179.84	63,36,24,533.84	27.15%

PSC after detailed examination of the proposal has recommended to the Board for approval of revised BoQ amount of 2,96,71,96,179.84, which is 27.15% higher than the original LoA price of Rs.2,33,35,71,645.99.

The Board noted the quantity variations in supply, erection and civil works and the reasons thereof as per details mentioned in the memorandum and after discussion, approved the proposal for 1st revised BoQ of the project for "Construction of 400KV D/C line from Loc. No. 358 (dead end tower of proposed GIS at Ersama, Paradeep) to Loc. No. 182 and 220KV D/C line from Ersama to Paradeep along with 2 nos. 220KV bay extension at existing 220/132/33KV Grid S/s Paradeep" with revised project cost amounting to Rs.2,96,71,96,179.84, as recommended by PSC.

Further Board advised, OPTCL should investigate the reasons for such delays in reporting/ putting up to the competent authority and advised them to prepare and implement a comprehensive internal control system to avoid such situations in future. In case of such eventuality the same should be brought to the knowledge of competent authority early in future so that Competent Authority can take a prudence decision including alternate solution to optimize the project cost and delay in project execution.

CERTIFIED TRUE COPY

  
COMPANY SECRETARY