

**EXTRACTS OF MINUTES OF 151ST MEETING OF THE BOARD OF DIRECTORS OF
ODISHA POWER TRANSMISSION CORPORATION LTD. HELD ON 10.06.2025 AT
11.30 AM AT THE REGD. OFFICE OF THE CORPORATION AT OPTCL TECH
TOWER, JANPATH, BHUBANESWAR.**

Item-25: In-principle approval for “Construction of 400/220KV Grid S/S, Basudevpur, up-gradation of 132/33KV Grid S/S, Barbil, strengthening the power connectivity of Grid S/S, Plasponga and associated lines” intended for catering the additional demand from upcoming industries and strengthening the existing system.

Director (Project) explained to the Board on scope of the project which is intended for catering the additional demands from upcoming industries and strengthening the existing system in Joda-Keonjhar-Barbil area. The broad points as under:

- Construction of a 400/220KV Grid S/S with 2x500MVA ICTs, at Basudevpur, Keonjhar.
- The proposed 400/220KV GSS at Basudevpur will be connected at 400KV voltage level from the 400KV Kaniha-Bisra DC line in LILO arrangement from both circuits and will also be connected at 220KV voltage level from 220KV TTPS-Joda DC line in LILO arrangement from both circuits.
- The existing 132/33KV Grid S/S, Barbil will be upgraded to 220/132/33KV GIS S/S which will be connected to the proposed 400/220KV GSS, Basudevpur at 220KV voltage level through DC line using Zebra equivalent HTLS Conductor.
- One Multicircuit line on 220KV Multicircuit tower from Turumunga GSS to Polasponga GSS with stringing of 132KV DC line and 220KV DC line. Similarly, one Multicircuit line on 220KV Multicircuit tower from Polasponga GSS to proposed 400/220KV GSS, Basudevpur along the corridor of existing 132KV Polasponga-Joda SC line.
- One 132KV DC line from 400/220KV GSS S/S Basudevpur to 220/132/33KV GSS, Joda for continuation of 132KV line from Polasponga along the corridor of existing 132KV Polasponga-Joda SC line.
- For the project a tentative estimate of Rs.1190 crore has been framed. The District Collector, Keonjhar has been requested to provide a grant of Rs.357.00 crore from the District Mineral Fund (DMF) and the rest amount is to be arranged by OPTCL by availing loan from banks/FIs.
- The proposal has been approved in 33rd CMETS-ER meeting held on 29th July 2024. Dept. of Energy, GoO has approved the above proposal to be taken up in cost plus mode instead of TBCB mode (as approved earlier).

The Board reviewed the scope of work and the SLD as enclosed to the memorandum and after discussion considering importance of the project, accorded in-principle approval for “Construction of 400/220KV Grid S/S at Basudevpur in Keonjhar dist., up-gradation of 132/33KV Grid S/S, Barbil, Strengthening the power connectivity of Grid S/S, Plasponga and associated lines” at a tentative cost of Rs.1190 crore as per details mentioned in the memorandum.

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COMPANY SECRETARY