

JUSTIFICATION FOR THE PROJECT

TSGENCO has taken up construction of (5x800 MW) Yadadri Thermal Power Station at Veerlapalem (V), Dameracherla (M), Nalgonda Dist to meet the power demand of Industrial, domestic and agricultural sectors of Telangana State. The Project construction works were awarded to M/s. BHEL on EPC contract system. The construction works of the project are in progress at full swing. Unit-1 of the project is planned to synchronize by the end of October, 2022 and remaining four (4) units by May, 2023 with a phase gap of 2 months between each unit.

Environmental Clearance for (5x800 MW) Yadadri Thermal Power Station was already accorded by MoEF & CC, Govt of India vide Letter No. J-13012/18/2015-IA.I(T), dated. 29.06.2017 and the Consent for Establishment was obtained from TSPCB vide Letter No. 10/TSPCB/CEF/RO-NLG/HO/2017, dated. 25.07.2017.

i. Requirement of Forest land for Railway siding:

The Annual Coal consumption for Yadadri Thermal Power Station is about 14.00 Million Tonnes per year. Coal linkage was accorded by the Ministry of Coal, Govt of India vide letter No. File No.23014/1/2018-CLD, dated. 15.02.2018 to meet the above coal requirement from M/s. SCCL coal mines. Hence, it is proposed to construct B.G. Railway line from Vishnupuram railway station (as serving station) to (5x800MW) YTPS, Veerlapalem (V), Dameracherla (M), Nalgonda Dist., to receive the coal rakes. M/s. South Central Railways, Secunderabad have already accorded approval to the feasibility study report for the above railway siding vide Letter No.T.143/GNT/496, Dated.25.09.2019.

The alignment of above railway line is passing partly through degraded forest land to an extent of 12.6203 Hectares under Rajagattu and Veerlapalem Reserve Forest Blocks, Dameracherla (M), Nalgonda Dist.

ii. Requirement of Forest land for Raw water pipe line:

The water required for (5x800MW) Yadadri Thermal Power Station is 120 cusecs (i.e. 3.784 TMC per year). Permission was accorded by the Govt. of Telangana, Irrigation & CAD Department for drawl of 208 cusecs (6.60 TMC/year) of water from the river Krishna vide G.O. Ms No. 13, dated 30.01.2015 for the above project. Hence, it is proposed to take up the construction of Raw water intake structure on the bank of the river Krishna and laying of water pipe line to draw required water from the river Krishna to (5x800MW) YTPS.

Accordingly, a suitable location was identified for construction of Raw water intake structure & pump house on upstream side of Nagarjuna Sagar Tailpond dam on the river Krishna and the shortest route/alignment was finalized for laying of raw water pipe line up to the Raw water reservoir at YTPS. Part of the land required for raw water

pipe line is falling in the forest land in Adavidevulapally Reserve Forest block in Adavidevulapally (M), Nalgonda Dist. The extent of forest land required for raw water pipe line is about 0.645 Ha.

The total forest land required for construction of Railway line and Raw water pipe line is about 13.2653 Hectares and the particulars of forest lands are as given below.

S.No.	Description of Item	Area in Hectares
1	Construction of railway line including overhead electrical lines from Vishnupuram Railway Station to Yadadri Thermal Power Station	12.6203
2	Laying of Raw water pipe line	0.6450
Total area (in Ha)		13.2653

Further, an equivalent extent of non-forest land (Govt land) to an extent of 13.26 Ha for raising and maintaining the Compensatory Afforestation (CA), was identified in Sy. No. 229 under Yellapuram Village of Tirumalagiri Sagar (M) of Nalgonda District to hand over the same to the Forest department.

Accordingly, the raw data of DGPS survey (DGPS Static Points Rinex Data) along with drawings pertaining to the forest land proposed for diversion and equivalent Govt. land proposed to be handed over to Forest department for Compensatory afforestation was submitted to the PCCF (HoFF), Aranya Bhavan, Hyderabad vide Letter No. CE/C/Thermal/SE.TCD-I/EE-I/F. YTPS Forest land/D.No.143/2021-22, Dt. 03.08.2021 for verification and authentication of the same.

Subsequently, the PCCF (HoFF), Aranya Bhavan, Hyderabad has verified the above data and communicated its authenticity vide Letter No. RC. No. 19488/2019/FCA-4, Dated: 28.08.2021 for submission of the application for diversion of the above forest land in favour of TSGENCO to take up the above works.


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