

TRANSMISSION CORPORATION OF TELANGANA LIMITED

Sub :- Administrative approval for providing of 33 kV features in under construction 400/220/132 KV Raidurg Gas Insulated Sub-station (GIS) in Rangareddy District – Accorded.

T.O.O (CE-Construction) MS.No.432

Dated:31.08.2019.

Read the following

ORDER

Earlier, administrative approval was accorded for erection of 220/132/33 kV GIS (Indoor) Sub-Station in place of conventional (Outdoor) Sub-Station at Raidurg vide T.O.O. (CE-Transmission) Ms.No.65, Dated: 25.04.2016 for an amount of Rs.158.60 Crores. Subsequently, the board has considered the recommendation of the technical committee and gave approval for construction of 400/220/132 KV Gas Insulated Substation at Raidurg.

2. Accordingly, TSTRANSCO has accorded administrative approval for Raidurg System Improvement Scheme – Construction of 400/220/132 KV GIS Sub-station at Raidurg vide T.O.O (CE-Projects-I) Ms.No.44, Dt: 22.03.2017 for an amount of Rs.1843.72 Crs and later revised vide T.O.O (CE-400KV) Ms.No.79, Dt:13.04.2018 for an amount of Rs.1786.4 Crs The scheme was accorded without 33 kV features in the 400 kV Raidurg sub-station.
3. The Chairman and Managing Director, TSSPDCL has requested for providing of 33 KV features in the under construction Sub-station at Raidurg area with following justifications.
 - a. The surroundings of Rayadurgam in Madhapur area developing with high rise commercial buildings suitable for IT companies, commercial activities and high quality residential purpose, where the power supply demand is more and the area requires sufficient distribution network to cater the upcoming loads.

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- b. About 17 No's high rise buildings are under construction in the vicinity of under construction EHT Sub-station. All these buildings need power supply at 33 KV level as the requirement of power for each building will be more than 2500 KVA.
- c. The existing 132 KV Sub-station nearby GCB, Madhapur and Jubilee Hills are already operating at full capacity with sufficient no. of 33 KV feeders and it may not be possible to extend the power to upcoming buildings in the Rayadurgam area as it is far away from the existing 132 KV SS's.
4. Consequently, it was decided to provide 33 KV features in under construction 400/220/132 KV Raidurg Sub-station to cater the load demand and upcoming loads in the scheme area during the field visit of the Chairman and Managing Director along with Directors of TSTransco on 15.07.2019.
5. The Superintending Engineer/Metro-Central/TSTransco, has furnished the field estimate for 33 KV features with 3X80 MVA PTRs, GIS Modules & laying of XLPE UG cable and the Superintending Engineer/civil/ Metro/ Hyderabad has furnished the estimate for civil works for providing of 33 KV features in the 400/220/132 KV Sub-station at Raidurg
6. After careful consideration, TSTRANSCO accords administrative approval for the above scheme at a total cost of Rs.51.43 Crores including IDC considering the field estimates for material & labour as per the tabulated detailed below :

A B S T R A C T

33 KV Features at 400/220/132 KV SS Raidurg

S.No	DESCRIPTION	UNIT	QTY	RATE	AMOUNT in Crores
1	Providing of 33 kV features with 3x80 MVA PTR's, GIS Modules & XLPE UG cable in under construction 400/220/132KV Gas Insulated Substation Raidurg in Rangareddy District including civil works	Nos.	Est	47.20	47.20
TOTAL in Crores					47.20

Including IDC Rs. 51.43 Crores

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7. This is superseding to the administrative approval issued earlier for erection of 220/132/33 kV GIS (Indoor) Sub-Station in place of conventional (Outdoor) Sub-Station at Raidurg vide T.O.O. (CE-Transmission) Ms.No.65, Dated: 25.04.2016 for an amount of Rs.158.60 Crores which stands cancelled.
8. The scheme will be executed with the financial assistance from funding agencies and with TSTRANSCO funding in case full loan is not sanctioned.
9. The Chief Engineer/ Construction is hereby authorized to take up the above works after funding tie-up and investment approval from TSERC. This authorization is issued with the concurrence of Joint Managing Director (Fin,Comml & HRD) vide Regd. No.3107, Dated.14.08.2019.

BY ORDER AND IN THE NAME OF TRANSMISSION CORPORATION OF TELANGANA LIMITED

**Sd/-
D.PRABHAKAR RAO
CHAIRMAN & MANAGING DIRECTOR**

To,
The Chief Engineer, Construction, TSTRANSCO, Vidyut Soudha, Hyderabad.

Copy to:

The Chairman & Managing Director, TSSPDCL, Hyderabad.
The Executive Director (LIS), TSTRANSCO, Vidyut Soudha, Hyderabad.
The Executive Director (Finance), TSTRANSCO, Vidyut Soudha, Hyderabad.
The Chief Engineer, Comml & RAC, TSTRANSCO, Vidyut Soudha, Hyderabad
The Chief Engineer, Power systems, TSTRANSCO, Vidyut Soudha, Hyderabad
The Chief Engineer, Transmission, TSTRANSCO, Vidyut Soudha, Hyderabad
The Chief Engineer, Metro Zone, TSTRANSCO, Hyderabad.
The Chief Engineer, Telecom, TSTRANSCO, Vidyut Soudha, Hyderabad
The Chief Engineer, P & MM, TSTRANSCO, Vidyut Soudha, Hyderabad.
SE/T to Chairman & Managing Director, TSTRANSCO, Vidyut Soudha, Hyderabad
PS to the Joint Managing Director, Fin, Comml & HRD, TSTRANSCO, VS, Hyderabad
DE/T to Director, Transmission, TSTRANSCO, Vidyut Soudha, Hyderabad
DE/T to Director, Projects, TSTRANSCO, Vidyut Soudha, Hyderabad
ADE/T to Director, Lift Irrigation Schemes, TSTRANSCO, Vidyut Soudha, Hyderabad.
AE/T to Director Grid Operation, TSTRANSCO, Vidyut Soudha, Hyderabad
The FA & CCA (Accounts & CFO), TSTRANSCO, Vidyut Soudha, Hyderabad
The Superintending Engineer/OMC/Metro-Central, TSTRANSCO, Hyderabad..
The Superintending Engineer/Construction-I, TSTRANSCO, Vidyut Soudha, Hyderabad
The Divisional Engineer-1/SE/Const-I/O/o CE/Const. TSTRANSCO, Vidyut Soudha, Hyd
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