

TRANSMISSION CORPORATION OF TELANGANA LIMITED



TSTRANSCO - CE(400kV)- Installation of High Velocity Water Spray system (HVWS) Fire protection at Four (4) Nos. 500MVA ICTs i.e., 2 Nos. at Maheswaram SS, 1 No. at Shankarpalli SS and 1 No. at Gajwel SS - Administrative Approval - Accorded.

T.O.O.(CE-400kV)Ms.No.1176

Dt: 26.08.2021

PROCEEDINGS:

1. As per CEA Regulations, High Velocity Water Spray system (HVWS) is required in addition to the Nitrogen Injection based fire protection system(NIFPS) for the Transformer/Reactors of 220kV or higher voltage.
2. In all the 400kV Sub stations HVWS fire protection along with NIFPS are provided for all 500MVA ICTs and 125 MVAR Reactors except earlier Four (4) Nos. 500MVA ICTs i.e., 2 Nos. at Maheswaram SS, 1 No. at Shankarpalli SS and 1 No. at Gajwel SS for which only NIFPS was commissioned.
3. Thus, TSTRANSCO proposed for execution of HVWS Fire protection at Four (4) Nos. 500MVA ICTs i.e., 2 Nos. at Maheswaram SS, 1 No. at Shankarpalli SS and 1 No. at Gajwel SS.
4. After careful examination, TSTRANSCO accords Administrative approval for "Installation of High Velocity Water Spray system (HVWS) Fire protection at Four (4) Nos. 500MVA ICTs i.e., 2 Nos. at Maheswaram SS, 1 No. at Shankarpalli SS and 1 No. at Gajwel SS at an estimated cost of Rs.1.02 Crores as per the Annexure enclosed.
5. Chief Engineer/400kV/Vidyut Soudha is here by authorized to take up the HVWS works and shall provide the necessary budget as per the scope.
6. The scheme will be executed with capital funds of TSTRANSCO funds.

7. This order is issued with the concurrence of the JMD/ FINANCE, COMMERCIAL & HRD/TSTRANSCO vide Regd. No.3577, dated: 25.08.2021

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

Encl: Annexure

C. SRINIVASA RAO
CHAIRMAN AND MANAGING DIRECTOR(FAC)

To:

- 1) Chief Engineer/ 400kV/TSTRANSCO/ Vidyut Soudha, Hyderabad.

Copy to:

- 1) Executive Director/LIS/TSTRANSCO/VS/Hyd.
- 2) Executive Director (Finance)/ TSTRANSCO/ Vidyut Soudha/Hyderabad.
- 3) Chief Engineer/ Power System/TSTRANSCO/ Vidyut Soudha/Hyderabad.
- 4) Chief Engineer/ Construction/TSTRANSCO/ Vidyut Soudha, Hyderabad.
- 5) Chief Engineer/ 400kV /Construction/TSTRANSCO/ Warangal.
- 6) Chief Engineer/Transmission / TSTRANSCO/Vidyut Soudha/Hyderabad.
- 7) Chief Engineer/ SLDC/TSTRANSCO/ Vidyut Soudha/Hyderabad.
- 8) Chief Engineer/ Telecom /TSTRANSCO/ Vidyut Soudha/Hyderabad.
- 9) Chief Engineer/ Civil /TSTRANSCO/ Vidyut Soudha/Hyderabad.
- 10) Chief Engineer/Planning /TSTRANSCO/VS/Hyd.
- 11) Chief General Manager/HRD / TSTRANSCO/ Vidyut Soudha/Hyderabad.
- 12) Chief Engineer/Metro Zone/ TSTRANSCO/ Hyderabad.
- 13) Chief Engineer/Rural Zone/ TSTRANSCO/ Hyderabad.
- 14) Chief Engineer/Warangal Zone/ TSTRANSCO/ Hyderabad.
- 15) Chief Engineer/ Karimnagar Zone /TSTRANSCO/ Karimnagar.
- 16) SE(T) to the CMD /TSTRANSCO/Vidyut Soudha/ Hyderabad.
- 17) DE(T) to the Director (Projects)/TSTRANSCO/ VS/ Hyd.
- 18) DE(T) to the Director (Transmission)/TSTRANSCO/ Vidyut Soudha/ Hyd.
- 19) ADE(T) to the Director (Lift Irrigation)/ TSTRANSCO/ VS/ Hyderabad.
- 20) AE(T) to the Director (Grid Operation)/ TSTRANSCO/VS/ Hyderabad.
- 21) P.S. to the JMD (Finance, Comml., & HRD) /TSTRANSCO/VS/Hyd.
- 22) Superintending Engineer/Power System/TSTRANSCO/Vidyut Soudha/Hyd.
- 23) Superintending Engineer/400kV/Const./ Metro / Erragadda / Hyderabad.
- 24) Superintending Engineer/400kV/Const./ Rural / Erragadda / Hyderabad.
- 25) Superintending Engineer/400kV/Const./ TSTRANSCO Warangal.
- 26) Company Secretary/TSTRANSCO/ Vidyut Soudha/Hyderabad.
- 27) Estate Officer/TSTRANSCO/ Vidyut Soudha/Hyderabad.
- 28) Central Record Section - 2 copies.

//FORWARDED BY ORDER//

DIVISIONAL ENGINEER-III/400kV

Annexure

Abstract estimate for installation of 4Nos. HVWS Fire protection systems			
Sl. No.	Item Description	Nos.	Amount in Lakhs
1	Erection of 2 Nos. HVWS Fire protection system at 400/220kV Maheswaram SS	2	44.56
2	Erection of 1 No. HVWS Fire protection system at 400/220kV Shankarpally SS	1	22.27
3	Erection of 1 No. HVWS Fire protection system at 400/220kV Gajwel SS	1	22.27
4	TOTAL (1-3)		89.10
5	Special T & P @ 1% on (4)		0.89
6	Contingencies @ 3% on (4)		2.67
7	Establishment & Overhead charges @ 10.75 % on (4)		9.57
	TOTAL (4-7)		102.23
	or SayRs.		1.02Crs

Sd/-
CHIEF ENGINEER /400kV