

TSGENCO BHADRADRI NATURAL DRAFT COOLING TOWER ENQUIRY

TECHNICAL AMENDMENT -4

TECHNICAL SPECIFICATION NO.: PE-TS-411-165-N001 (REV.0)

- 1. Clause # 3.01.02 (Sub para) Wind load of Technical Specification– and subsequent amendment no. 3 , Section C3 (Civil):** *Pl. note that this clause is superseded which may pl. be read as under:*

“The above circumferential wind pressure coefficient (p_1) shall be increased by multiplying it by 1.43 to account for turbulence in the incident wind and load intensification due to turbulence induced by the adjacent cooling tower or the other structures of significant dimensions. Therefore, the actual design circumferential net wind pressure coefficient (p) shall be computed as $p=1.43(p_1)$, where (p_1) is the wind pressure coefficient as per IS: 11504-1985. Enhancement factor 1.43 is considered to take the interference effect of adjacent structures of significant dimensions into account. 10% increment shall be considered for the imperfection in construction as per IS :11504. This factor (1.43×1.1) shall be increased further by 10% during foundation, raker column, pedestals design. If the model is for C/L of shell, wind load shall be appropriately augmented to cater to the increase in diameter of the shell (O.D).”