Sub: Administrative approval for erection of 400/220 kV, 1X315 MVA ICT at Bhadradri Thermal Power Station (BTPS) switch yard, Manuguru, TSGENCO and erection of 220 KV DC line from 220/132/33 KV Manuguru SS to 400 KV BTPS switch yard in Bhadradri Kothagudem district – Accorded

T.O.O (CE-Construction) Ms. No.401  

Read the following ORDER

The proposal of erection of 220 KV DC line from 220/132 KV Manuguru SS to 400 KV BTPS switch yard to provide startup supply to Bhadradri Thermal Power Station (4X270 MW) under Black start restoration procedure & alternate evacuation of power from BTPS (4x270 MW) was received from the Executive Engineer/Construction, Khammam as per SLDC studies.

2) The Chief Engineer/Power Systems has conducted the load flow studies for erection of 400/220 kV 1X315 MVA ICT at BTPS switch yard, Manuguru, TSGENCO and 220 KV DC line from 220/132/33 KV Manuguru SS to 400 KV Bhadradri Thermal Power Station (BTPS) switch yard to provide startup supply to BTPS (4X270 MW) Under Black start restoration procedure & alternate evacuation of power from BTPS (4x270 MW). The study report was communicated to the Central Electricity Authority for approval. The standing committee has accepted the proposal in the 2nd meeting of SRSCT held on 10th June 2019 at Bengaluru.

3) After careful consideration, TSTRANSCO accords administrative approval for the above scheme at a total cost of Rs.66.56 Crores considering latest approved material / equipment rates with 10% of price escalation & GST @ 18% as per the abstract.
## ABSTRACT

<table>
<thead>
<tr>
<th>SlNo</th>
<th>DESCRIPTION</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Supply, Erection, Testing &amp; Commissioning of 400/220 kV, 1X315 MVA Auto Transformer along with PTR Bays and Bus coupler including civil works at BTPS.</td>
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<tr>
<td>2</td>
<td>Erection of 220 KV DC line from 220/132/33 KV Manuguru SS to 400 KV Bhadradri Thermal Power Station switch yard</td>
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<tr>
<td>3</td>
<td>Erection of 220 kV Bays (2 Nos at 220 kV Manuguru, 2 Nos at BTPS)</td>
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<tr>
<td>4</td>
<td>Providing of Optical Fibre Communication Facility</td>
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<tr>
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<th>Unit</th>
<th>QTY</th>
<th>RATE (Rs. In Lakhs)</th>
<th>AMOUNT (Rs. In Lakhs)</th>
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Total: 6109.43

Including IDC Rs.66.56 Crores

Rs. 61.09 Crores

4) The scheme will be executed with the financial assistance from Funding Agencies and with TSTRANSCO funding in case full loan is not sanctioned.

5) 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. 2621, Dated 19.06.2019.

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**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, TSNPDCL, Warangal.
The Executive Director (LIS), TSTRANSCO, Vidyut Soudha, Hyderabad.
The Executive Director (Finance), TSTRANSCO, Vidyut Soudha, Hyderabad.
The Chief Engineer, 400 kV, TSTRANSCO, Vidyut Soudha, Hyderabad.
The Chief Engineer, Comml & RAC, TSTRANSCO, Vidyut Soudha, Hyderabad.

Contd..3
The Chief Engineer, Power systems, TSTRANSCO, Vidyut Soudha, Hyderabad
The Chief Engineer, Transmission, TSTRANSCO, Vidyut Soudha, Hyderabad
The Chief Engineer, Warangal Zone, TSTRANSCO, Warangal.
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, Comm & 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 Circle, TSTRANSCO, Khammam.
The Superintending Engineer/Construction-I, TSTRANSCO, Vidyut Soudha, Hyderabad
The Divisional Engineer-3/SE/Const-I/O/o CE/Const. TSTRANSCO, Vidyut Soudha, Hyd
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