

1 X 660 MW – SUPERCRITICAL ENNORE TPS EXPANSION PROJECT
BROAD SCOPE AND TERMINAL POINT:

SCOPE OF VENDOR FOR PIPE CONVEYOR SYSTEM INCLUDES THE FOLLOWING:

1. Complete Mechanical, Electrical, Control and instrumentation for pipe conveyor system as per TNEB tender volumes enclosed. (TNEB Tender volumes I to 7)
2. Scope includes Design, Engineering, Supply, Storage, Erection, Commissioning, Trial run, PG test and Handling over the pipe conveyor system to end customer.
3. All statutory approvals as required for the project as mentioned in the tender specs is included in vendor's scope.
4. Approval of design engineering drawings for pipe conveyor system from TNEB and their consultant is included.
5. Vendor shall visit site to assess site condition before submitting offer.
6. Auxiliary packages for pipe conveyor system like fire protection & detection(Optional-shall be quoted separately),as per TNEB tender volumes enclosed.(Refer tender volumes 1 to 7)
7. Other than pipe conveyor system (Mechanical, Electrical, Control and instrumentation), main power plant and BOP including pipe conveyor system (Civil & structural) shall be carried out by BHEL.
8. Communication system (If applicable) as per TNEB tender specification shall be included in vendor's scope.
9. Mandatory spares, startup spares ,Recommended spares for pipe conveyor system shall be in vendor's scope.(Refer TNEB volume II, schedule K as applicable for pipe conveyor system)

TERMINAL POINTS

1. Mechanical

From	North Chennai TPS – Taking the coal feed from conveyor NBC 103 A and 103B in SCH on to NPC 104 A and 104 B.
To	Up to Ennore TPS – JT1 Discharge point of NPC 104 A and 104 B to BCN-10 and BCN 8 including chute work. (BCN 8 and BCN 10 are excluded)Refer coal flow diagram CHP-001 Rev0 enclosed.

2. Electrical

<p>Terminal point: 3.3KV/690 V-transformer outlet</p> <p>2Nos. incomers of 690 V supply shall be provided at external coal handling system near secondary crusher house.</p> <p>2Nos.incomers of 690 V supply shall be provided at internal coal handling system near JNT-1.</p>
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Further distribution is in vendor's scope .Also vendor shall furnish the total load requirement.

3. Control and Instrumentation

Complete control system along with Hardware and system software and application software including interfacing with the DCS system for internal & external coal handling.

5 Construction Power

Construction power at one point in internal coal Handling Plant. Further distribution by Vendor on chargeable basis. Refer TNEB volume 1.

6 Construction Water

Construction Water shall be arranged by the vendor at his own. Refer TNEB volume 1.

7 Erection tools and tackles including cranes etc

Vendor shall furnish the List along with the offer.
