

2 X 660 MW (STAGE-1) – SAURASHTRA STPP – EXTERNAL CHP

BROAD SCOPE AND TERMINAL POINT:

SCOPE OF VENDOR FOR EXTERNAL COAL HANDLING INCLUDES THE FOLLOWING:

1. Complete Mechanical, Civil and Structural works, Electrical, Control and instrumentation as per UCPL tender volumes enclosed. (UCPL Tender volumes 1 to 3).
2. Scope includes Design, Engineering, Supply, Storage, Erection, Commissioning, Trial run, PG test and Handling over the system to end customer.
3. All statutory approvals required for the project Design, Execution and Handing over to customer is included in vendor scope.
4. Approval of design engineering drawings from UCPL and their consultant is included.
5. All necessary route survey, geo –technical surveys etc., during estimation stage and during execution stage is included.
6. Vendor shall visit site to assess site condition before submitting offer.
7. Auxiliary packages for external coal handling like fire protection ,AC& ventilation, hoists/cranes, DE system, DS system as per UCPL tender volumes enclosed.(Refer tender volumes 1 to 3)
8. Other than external coal handling plant, main power plant and BOP including internal coal handling shall be carried out by BHEL.
9. Communication system if applicable like EPABX, telephone, PA system, CCTV for external coal handling system as per UCPL tender specification shall be included in vendor's scope.
10. Mandatory spares, startup spares for external coal handling plant shall be in vendor's scope.
11. Security of the complete system offered shall be in vendor's scope till handing over to UCPL/BHEL.

TERMINAL POINTS

1. Mechanical

From	Gojiness captive coal unloading berth – including ship un loader, trough conveyor etc inside the sea.
To	Up to Saurashtra STPP – TP1 Discharge point to the belt feeder including chute work. (Belt feeder (BF-1/2) is excluded)Refer coal flow diagram CHP-002 Rev0 indicating the scope division enclosed.

2. Civil & Structural

From	From TP –B (Refer to scope matrix chart Annexure-II-K/1-1-which is available in" suarashtra scope matrix.pdf" inside zip file named as 2D-Amendment)
To	Up to Saurashtra STPP – TP1 Discharge point to the reversible belt feeder including

2 X 660 MW (STAGE-1) – SAURASHTRA STPP – EXTERNAL CHP

BROAD SCOPE AND TERMINAL POINT:

chute work. (Belt feeder is excluded)Refer coal flow diagram CHP-001 Rev0 enclosed.

The work includes all civil & structural works, surveys, approach / permanent roads required as per specs, arraying necessary erection equipments like crane, dozers, site clearance including grubbing, removing shrubs, trees, etc., leveling & grading, road, canals, drainage etc., as required removal of all underground & over ground structures/transmission lines/power lines etc as applicable, civil facilities for treatment of sea water for DS etc., if required.

3. Electrical

11 KV Power supply will be provided by BHEL from the HT switchgear in main CHP near crusher house, in Internal coal handling plant. Further distribution along with necessary Transformers, switch gear and other electrical equipments in vendor scope in Jetty area however for pipe conveyor A1/A2 drive, supply will be provided by BHEL.

4. Control and Instrumentation

Complete control system along with Hardware and system software and application software including interfacing with the main CHP DCS system and main plant DCS.

5. Water for Dust suppression/ service water / drinking water etc

Water for dust suppression / service water / drinking water etc shall be taken from in plant coal handling site. Requirement of water shall be specified in technical offer by the Vendor. Alternatively vendor can give takeout price if water is available near jetty during execution.

6. Construction Power

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

7. Construction Water

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

8. Erection tools and tackles including cranes etc

Vendor shall furnish the List along with the offer.

9. Site office / storage / labor colony etc

By vendor