

SCOPE OF WORK

The Project of “Re-Construction of South Coal Berth at Cochin Port on Engineering, Procurement and Construction (the “EPC”) contract essentially comprises of :

Group A – Demolition of Existing Jetty

The new Jetty is proposed 15m in front of the existing dilapidated Jetty of existing SCB with approaches. A portion of the existing old Jetty to be demolished by removing the superstructure, to the extent required to accommodate the proposed approach trestle, and also cutting old piles that are interfering with the proposed construction shall be done alone, at least upto the existing bed level. Care shall be taken to remove a portion of superstructure and substructure to the level mentioned above and also it should be ensured that no underwater obstructions are created by leaving a portion of the structures unremoved to the specific depth and/or no foreign particles/debris are spilled in the area of construction and/or basin/waterfront.

Group B – Berth and Approach Trestle.

- (a) Berth and Approach Trestle
- (b) Jetty fixtures like fenders, bollards, safety ladders, mooring rings, D fenders, handrails (RCC), etc., as required.
- (c) Raising the existing road to match with the Approach Trestle for a length of 15m

Group C – Electrical Distribution System

- (a) The 11 KV distribution/Feeder system already available at a distance of 300M may be modified by replacing old RMU and providing new 4 panel compact SF6 LBS RMU +cccc+ and Supply and laying of 300M , 3CX 300sqmm HT cable from the existing substation/feeder point to proposed substation to be installed near the load point/berth.
- (b) SITC of 11KV / 433V, 500KVA Transformer with latest IS/BEE standards.
- (c) Supply, Installation and commissioning of 3 panel SF6 (+CCV+) RMU, in new substation .
- (d) Drawing of 11 KV cable of 3C x 300 Sq mm FRLS/LSHS XLPE, Aluminum cable from the existing substation to the berth through trenches / hard surfaces / HDD etc as required with all interconnection arrangement with switch gears / tranformers etc

- (e) SITC of MV panel in new substation, cope points in the berth, Junction boxes, as per requirement etc.
- (f) Providing illumination to the berth and nearby area with 12nos. of 200W LED fittings in the existing High mast.
- (g) SITC of LT cables to the berth cope points, high mast / Street light poles etc including its termination with junction boxes, MV panels etc.
- (h) Earthing of the installations with plate /pipe earthing such as at existing 11 KV substation, , RMU's, Transformers, MV panels, Cope points, its submission, Getting approval of the installation from CEA, GoI and curing the defect if any noticed by the statutory body
- (i) Civil works related to Electrical works such as cable trench, ,checkered MS trench cover inside S/S, Foundation for Electrical items, Excavation and refilling for cable work, HDPE pipes, Cable pull pits, Horizontal Direct Drilling (HDD) etc.
- (j) SITC of flood light poles at berth , street light at approach road near berth, with foundation , light fittings, RYB connector, MCB, Junction boxes etc,
- (k) SITC of cable GI/ FRP cable trays along the berth/ trestle for laying the LT cables. The Contractor shall submit warranty/guarantee cards or receipts of the various parts used in the Works. In this regard, the Contractor has to enter into agreement with the suppliers, who have to pass on the said warranty/right to the Employer. The Contractor shall submit warranty / guarantee effective from the date of commissioning of the Works.