

# **SECTION-I**

## 1. General Information and Scope

M/s Teestavalley Power Transmission Ltd. (TPTL) is a Joint Venture between M/s Teesta Urja Ltd. (TUL) and M/s Power Grid Corporation of India Ltd. (POWERGRID) for construction, operation & maintenance of 400 kV D/C Transmission Line from Teesta III Hydro Electric Project (1200 MW) of M/s Teesta Urja Ltd in the State of Sikkim to Kishanganj Pooling Station of POWERGRID in the State of Bihar of length 215 km. Route alignment of the transmission line passes through North Sikkim, East Sikkim, South Sikkim, West Bengal Hills (Darjeeling Hills), West Bengal Plains and Bihar.

Transmission Line portion of length 35 Km in between Bijanbari to Panighata in Darjeeling District of West Bengal is in advance stage of completion. However, protection walls along side roads (road walls) are to be constructed to prevent further damage of roads caused by construction activities as well as transportation of Heavy T&P material.

### 1.1 Scope

- i) Construction of RRM wall i.e. Rubble masonry in cement (1:4) with hard dressed stones from approved quarries and clean, coarse and washed sand including carriage of all materials to site as per drawing. Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) including shuttering, if any, in ground floor as per relevant IS codes.
- ii) Construction of Crate wall i.e. Dry Rubble Masonry with hard dressed stone from approved quarries including all carriage of materials.
- iii) Construction of Concrete wall & concrete water Tank i.e. Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) including shuttering, if any, in ground floor as per relevant IS codes. Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction.
- iv) The above works including cost of supply of material such as cement, sand, Reinforcement steel, aggregates etc, placing of concrete, curing of concrete and any other activities related/required for completion of the above works is under the scope of successful bidder.