

TECHNICAL AND FINANCIAL REQUIREMENTS FOR GETTING EXPRESSION OF INTEREST FOR STEEL PIPES WITH SPECIAL COATING FOR NTPL,TUTICORIN -2 X500MW PROJECT

I. TECHNICAL REQUIREMENT

A) PIPE VENDOR

- 1) Vendor shall have adequate manufacturing & testing facilities to manufacture the pipe sizes covered in the tender as per BHEL TDC no. TDG:07 Rev 05 & Typical QP.
- 2) The vendor should have manufactured and supplied similar Pipe sizes in the past and details like PO copy, project details, completion details to be submitted.
- 3) Vendor's capability to supply the tendered quantity in 4-5 months time from the date of PO.
- 4) Acceptance to get the pipes coated as given below at their works using the coating vendor approved by BHEL.
 - a) 1000 microns of Isophthalic Polyester / Acrylic co-polymer filled with glass flakes as per BHEL specification ref. PC:E:GF:001 dt 16.12.09 on internal surface of the pipe.
 - b) 60 microns of Epoxy Polyamide resin based zinc phosphate primer followed by 100microns of Epoxy resin with MIO paint (Total dft-160 microns) on external surface
- 5) Vendor shall furnish the following details.
 - a) List of machineries & equipment.
 - b) List of testing equipments / instruments.
 - c) Hydro testing & NDT facilities
 - d) Manpower details. (Production & Inspection).
 - e) Organization chart.
 - f) Experience in executing similar job (including the type of coating as per tender).
 - g) Clientele list

B) COATING VENDOR

- 1) The Vendor should have adequate facilities and experience in coating the following paints on steel pipes for sea water application
 - a. 1000 microns of Isophthalic Polyester / Acrylic co-polymer filled with glass flakes as per BHEL specification ref. PC:E:GF:001 dt 16.12.09 on internal surface of the pipe.
 - b. 60 microns of Epoxy Polyamide resin based zinc phosphate primer followed by 100microns of Epoxy resin with MIO paint (Total dft-160 microns) on external surface
- 2) The pipes supplied with internal coating as given above should have been in service for minimum 5 years for sea water application. Experience by the vendor or that backed by

their principle is acceptable. Details like PO copy, project details, completion details to be submitted.

- 3) Vendor shall have sufficient space and handling facilities to complete the entire tendered quantity in 2 months from the date of PO / receipt of pipes.
- 4) Vendor shall furnish the following details.
 - a) Coating material data sheet & application procedure for Isophthalic Polyester / Acrylic co-polymer filled with glass flakes that has to be applied on internal surface of the steel pipes.
 - b) List of machineries & equipment.
 - c) List of testing instruments and facilities
 - d) Handling facilities and space available
 - e) Manpower details. (Production & Inspection).
 - f) Organization chart.
 - g) Experience in executing similar job
 - h) Clientele list
 - i) Test reports from reputed lab, for the tests indicated in the BHEL specification ref. PC:E:GF:001 dt 16.12.09.

II. FINANCIAL REQUIREMENT

- a) Balance Sheet for the past 3 years
- b) Profit and Loss Account for the past 3 years

BOM FOR CW PIPING (Coated inside with Glass Flake)

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