

## Section 6. Schedule of Requirements (List of Goods and Delivery Schedule)

IFT NO.: 28.18.0000.086.14.001.22/01 Dated- 07-04-2022

**Materials: Gas Pipeline Fittings, Ball Valve, Coating Materials (Tape & Primer)**

Name of Principal Tenderer: .....

Address: .....

Tenderer's Quotation No: ..... Date: .....

Name of Manufacturer: .....

When completing "Form-G" the Tenderer shall quote prices and contract delivery dates for each lot separately, as specified in the List of Goods and Delivery Schedule.

**Lot 1: Ball Valve:**

Item No.	DESCRIPTION OF GOODS	Unit	Quantity
1.	16" DN Trunnion type Gear Operated Ball Valve, Class 150 R/F	Nos	08
2.	12" DN Trunnion type Gear Operated Ball Valve, Class 150 R/F	Nos	24
3.	8" DN Trunnion type Gear Operated Ball Valve, Class 150 R/F	Nos	18

Signature of the Tenderer: -----

**NOTES:**

1. **DELIVERY DATE:** Complete delivery of the goods shall have to be made within **150 days** from the date of receipt of letter of credit (L/C). The delivery means goods on board the ship in the port of shipment. Tenders offering delivery time by more than **30 days** beyond the required delivery time of **150 days** will be treated **non-responsive**.
2. All items should be Brand New and conform to the required specification.
3. Country of Origin, Name of Manufacturer, Port of shipment, delivery Period must be mentioned in the Tender.
4. Point of Delivery/Final Destination is: as stated in the "Price Schedule".
5. Tenderer must put seal and signature of the authorized person on the Price Schedule, Tender Form and other relevant Tender Documents. Stamped signature is not acceptable.




## Section 7: Technical Specification of Pipeline Fittings, Ball Valve and Coating Materials (Tape & Primer)

IFT NO.: 28.18.0000.086.14.001.22/01 Dated- 07-04-2022

### Lot-1 (Ball Valve):

Item No.	Name of Item	Technical Specification and Standards
1-3	Ball Valves (Trunnion Type)	<p><i>(All Standards mentioned herein are meant to be the latest editions)</i></p> <p>01. Scope: Trunnion mounted, Regular Pattern, Full Bore Ball Valves to be used for Natural Gas having Sp.gr. 0.6 (at air = 1), to be side entry type, split body, forged steel, field repairable, solid ball, Double Block &amp; Bleed antistatic device, blow out proof system, double seal design with high integrity shut-off, detailed description and specifications of the valves to be as follows:</p> <p>02. Valve design and Manufacturing :: As per API 6D.</p> <p>03. Flange dimension and Drilling : As per ASME B 16.5</p> <p>04. Face to Face dimension : As per ASME B 16.10.</p> <p>05. Materials of Construction : (a) Body, Bonnet &amp; Cover: Forged Steel ASTM A105. (b) Ball: Forged Steel ASTM A105 with 0.003" Electroless Nickel plating. (c) Stem: Forged Steel ASTM A105 with 0.003" Electroless Nickel plating. (d) Seat: PTFE. (e) Seat Retainer: ASTM A182-F316. (f) Bolting: ASTM A193-B7 and ASTM A194-2H for Bolts and Nuts respectively. (g) Seal: Primary seals electroless Nickel coated, Secondary nitrile O-rings (Double Block and Bleed).</p> <p>06. Valve Construction : a) All valves shall have Bolted Body. b) Each valve shall be equipped with secondary seals between the ball and the seals &amp; the seal should be resistant to aromatic hydrocarbon.</p> <p>07. Ball Arrangement : (a) ASME Class 150: Trunnion Type with double block &amp; bleed system for 6" DN and above.</p> <p>08. Operation : Gear Operated with wheel.</p> <p>09. Valve Testing : As per API 6D (598 and 607/6Fa). Fire safe design certificate (API607/6Fa) supported by test report issued by internationally recognized authority i.e. ABS, Llyods, BV, DNV shall have to be submitted.</p>




		<p>10. Valve Marking : The identification marking on valves shall be as per API 6D (latest edition) including the following:</p> <p>(a) Manufacturer's trade mark on both body and nameplate.</p> <p>(b) API Monogram on nameplate.</p> <p>11. Certificate(s): : (1) The Manufacturer must have valid API 6D Certificate of authority issued in favor of the Manufacturer to use API official Monogram.</p> <p>(2) Fire safe design certificate as per API 6D (607/6FA) issued by internationally recognized authority i.e. ABS, Lloyds, BV and DNV.</p>
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**Special Notes:**

- a) The valid ISO 9001(mandatory), ISO 14001(optional) and OHSAS 18001(optional) certificates in favors of the manufactured goods.
- b) Tenderer must quote for all items in a lot. Partial offer in a lot will not be considered for evaluation.
- c) Relevant original printed catalogue of the offered model and drawing shall have to be submitted along with the Tender. Submitted printed catalogue shall have contained details specification of the item, otherwise it will not be acceptable. If any of the information is not available in the printed catalogue, Manufacturer/Principal shall provide clarification about that lagging information in a separate sheet as a part and parcel of the catalogue which shall have to be enclosed with the bid at the time of submission of the same.


