

المواصفات الفنية الخاصة بالمناقصة العامة

رقم المناقصة : (2011/26)

الخاصة بشراء وتوريد عدد (16,000) أنبوبة حديديه

المؤسسة العامة للاتصالات السلكية واللاسلكية

الإدارة العامة للمشتريات والمخازن

إدارة المشتريات - قسم العقود والمناقصات

General Specification for Galvanized Steel Pipes

1. General

This specification describes the requirements for galvanized steel pipes of different sizes required to be used for carrying specially telecom cables including optical fiber cables (water if required) under highly corrosive, saline and hot weather conditions.

2. MATERIAL

2.1 This pipes shall be manufactured from the high grade steel, thoroughly pickled, hot dip galvanized with a zinc coating both inside and outside to a minimum thickness corresponding to 500 gramme zinc/meter squared .The material shall conform to following specifications or their equivalents:-

- 1) Indian standard 1239 (part 1, 4736 (1968)).
- 2) BS 1387 at 1985.
- 3) ISOR 1459,1460 & 1461.

2.2 The minimum mechanical characteristics of steel such as weight/running meter, yield strength, tensile strength, elongation etc. shall be indicated by the Tenderer.

2.3 Seams shall be welded preferably by using high frequency induction welding process.

2.4 A certificate shall be furnished by the Tenderer that each pipe has passed a hydraulic test of 50 kg/sq .cm.

3. SHAPE

3.1 The pipes shall be uniformly circular throughout its length. Deviation in diameter shall be indicated by the Tenderer.

3.2 The requirement is of plane end pipe. The interior of the pipe shall have a completely smooth surface.

3.3 The Tenderer shall indicate with a line sketch the process through witch the final product has gone starting with steel coils.

4. DIMENSIONAL REQUIRMENTS

Length of the pipe: (6 meter +).

If any other requirements are needed, the same shall be indicated in the Tender paper.

5. MARKING

5.1 In addition to the marking to indicate length, outer dia. and name of the company, "made for PTC Sana'a" shall be clearly written.

5.2 The Tenderer shall indicate how are the marking actually done on Tenderer's product.

6. PACKING

6.1 The packing shall ensure that there is no physical or harmful effects on the protective coating during road/sea transportation.

6.2 The Tenderer shall give details of the quantity per packing and the details of packing.

7. MUST CLAUSE

In addition to giving clause by clause compliance, the table attached with this specification must be filled in end of specification.

* * * END OF SPECIFICATION * * *

This Table Must be Filled in by the Tenderer

S/NO	Clause No.	Item	PTC requirement	Your Offers
1	1	General Requirement	Must be suitable for carry telecom cables.	
2	2.1	Specs. To be conformed	Is 1239, 4736, BS 1387, BS 4360, ISOR 1459, 1460&1461.	
3	2.2	I) Weight /M II) Yield strength III) Tensile strength IV) Elongation	To be indicated by the Tendered	
4	2.3	Seam welding	Frequency Indication	
5	2.4	Hydraulic test	50 kg/sq. cm	
6	3.2	Formation	Plain end	
7	4	Dimensional Requirements I) Length II) Outer dia. III) Thickness of sheet	(6 m+) 113.9 mm for pipes 4" ligh. 88.7 mm for pipes 3" ligh. 3.6 mm+ for pipes 4" ligh. 3.2 mm+ for pipes 3" ligh.	
8	5	Marking	Length Outer dia. Name of the company Made for PTC	
9	6	Packing	Must ensure no damages to zinc coating during transportation	
10		Price	CIP PTC warehouses	
11		Hot Dip galvanize with a zinc coating booth ends	500 gm/m ²	
12		Weight	6.930 kg/Mtr for 3" light 10.030 kg/Mtr for 4" light	

المعايير الأساسية للتقييم الفني للأنابيب الحديدية التي يجب الالتزام بها

من قبل المتقدمين للمناقصة

No	Item	PTC Requirement
1	Dimensional Requirements IV) Length V) Outer dia. VI) Thickness of sheet	(6 m+) 113.9 mm for pipes 4" ligh. 88.7 mm for pipes 3" ligh. 3.6 mm+ for pipes 4" ligh. 3.2 mm+ for pipes 3" ligh.
2	Hot Dip galvanize with a zinc coating booth ends	500 gm/m ²
3	Weight	6.930 kg/Mtr for 3" light 10.030 kg/Mtr for 4" light

Schedule to Tender No. 26/2011
for the supply of

Galvanized Steel Pipes

No	Item Description	Quantity	Unit Price	Total Price
1	GALVANIZED STEEL PIPES 4" – 3.6mm – 6m+(light)	12,000		
2	GALVANIZED STEEL PIPES 3" – 3.2mm – 6m+(light)	4,000		
TOTAL		16,000		