

**DATE: 23.12.2009**

**Tender No - 110290/WGI/GAIL GAS/14-R0**

<b>Sr. No.</b>	<b>Section / Clause No.</b>	<b>Tender Doc. Page No.</b>	<b>Clause Description</b>	<b>Bidders Queries</b>	<b>WGI / GGL Reply to Bidders Queries</b>
1.	Volume II of II Technical, Clause No 8.1	25 of 100	Third Party Inspection shall be carried out at mill to carry out the test specified above per heat	We understand that you are asking for raw material inspection at raw material manufacturer's works. Kindly provide scope of inspection & confirm who will bear the inspection charges of TPIA	Inspection shall be carried out by owner / owner's representative at pipe mill only. However owner reserves the right to carry out inspection at steel mill without any additional financial implication
2.	Volume II of II Technical, Clause No 9.3	27 of 100	The actual yield strength shall be as close as possible to the specified minimum yield strength (SMYS) but but in no case it shall exceed the limits as specified here under: for up to & including X-46 : 131 MPa	Upper Limit of yield strength for sizes 4" & 6" shall be 495 MPa (due to sample shall be taken from the longitudinal to the Pipe Axis)	Tender conditions Prevails
3.	Volume II of II Technical, Clause No 9.8	29 of 100	CVN Impact Tests for PSL -2 Pipe for Pipe body, Pipe Weld & HAZ	The extraction of samples in transverse orientation for weld, HAZ & Body is neither applicable for sizes 4", 6" & 8" as per API 5L Table 22, page 56 due to size & thickness constraint. However, we shall do the testing for weld, HAZ & Body in transverse orientation for size 10". Hence it may be waved off.	Impact Test is mandatory requirement & if carried out at longitudinal direction, the value shall be factored accordingly.
4.	Volume II of II Technical, Clause No 9.9	29 of 100	DWT Test for PSL - 2 welded Pipe	We understand that above test is not applicable for this tender due to size constraint. This test is applicable for size >= 20" as per API 5L, Table 18. Kindly confirm the same	Bidders understanding is correct
5.	Volume II of II Technical, Clause No 9.11.2	32 of 100	Mass per unit length	Please provide Mass Tolerance	Tolerance in Mass per unit length is not applicable as tolerance on thickness & diameter is already specified.
6.	Volume II of II Technical, Clause No 9.11.3.4	32 of 100	Tolerance for Straightness	The Deviation from a straight line for each pipe length shall not exceed 1 mm / meter length of pipe with maxi. Permissible limit of 12 mm	Tender Conditions prevails

				In smaller dia pipes, like 4" & 6" of double random length, during manufacturing, pipes are bending more hence please amend the tolerances of straightness as per API 5L clause 9.11.3.4 i.e. $\leq 0.2\%$ of the pipe length	
7.	Clause 9.12.5.4(b)	33 OF 100	for the weld seam of welded pipes 7 degree	We understand that this clause is not applicable for ERW pipes.	Bidder's understanding is correct.
8.	Clause 9.15	33 OF 100	Appendix II (new) d, "Weldability Test – Weldability test shall be carried out at Pipe Mill on first day's production	We are manufacturer of ERW Pipes, in this process no filler material is used. Hence, we do not have qualified welders and necessary equipments to carry out this test. However, we shall ensure reasonable level of carbon equivalent in the raw material to ensure good weldability of our pipes. Thus, it may be waived off as the same has to be carried out by the pipe laying contractor.	Tender conditions prevail.
9.	Clause 10.1.3 (g),	34 OF 100	Appendix I, Annexure E E2(f)	Radiological, Image quality indicator, guided bend test, radiographic image for pipe inspection, Repair welding procedure, WPS, PQR/WPQT, Method of Weld defect removal, full details of radiographic testing equipments including radiographic film, peaking, radiographic, Welding procedure specification including the details of welding process, brand name, classification, size and grade of filler metal and flux, speed of welding, no. of electrodes and polarity of each electrode, welding current and voltage for each wire, edge preparation, tack welding method and spacing of tack weld, details of seam tracking system for both inside and outside welding, method of checking the set up of the system, limits of external and internal weld reinforcement etc. shall not applicable for ERW pipes. Please confirm the same.	Random radiography (wherever required) is included in the scope of bidder
10.	Volume II of II Technical	44 of 100	Appendix II (New) First day production	There are contradiction in two clauses, c (iv) & e for Impact Testing	Impact Test shall be carried out as per Clause (e) of Appendix II (New) – First Day Production
11.	Volume II of II Technical	42 of 100	Appendix I, Ultrasonic testing of plates / skelp and pipes for lamination	Your spec. main clause does not ask for ultrasonic testing of plates/skelp for lamination. However, in Appendix I, says ultrasonic testing of plates / skelp and pipes for lamination Please clarify whether it is applicable or	UT for pipe body / plates skelp is a mandatory requirement. Acceptable limit of pipe body shall be as per Cl. E.8 of Technical specifications.

				not. If it is applicable, then we shall do pipe body UT for lamination (after hydro testing). The reference standard for pipe body UT for lamination shall have circumferential slot of 8 mm width x ½ T depth (T = specified thickness of pipe). Moreover, your technical spec. clause No.E.5.2.6.1 refers for acceptance limit of pipe body is Level B4 of BS:5996:1993. However, clause E.8 refers Level B.3 of ISO:10124 1994. Kindly clarify which one shall be followed.	
12.	Volume II of II Technical	44 of 100	Appendix II (New) First day production	Due to small quantity of size 4" first day production may be waved off. However, first day production shall be carried out for other sizes i.e. 10", 8" & 6".	Tender conditions prevail.
13.	Volume II of II Technical, Clause No 9.8.3	29 of 100	Pipe weld & HAZ Tests	As per note of clause 9.8.3 of API 5L Charpy Impact Test of HAZ is not required for HFERW Pipes. Please confirm	Tender conditions prevail.
14.	Volume II of II Technical, Clause No 9.11.3.4	32 of 100	Tolerance for Straightness	It is stringent requirement for pipe size 4"& 6" OD. We request for up to 1.5 mm per meter pipe length with maximum 18 mm for 4"& 6" OD.	Refer S. No. 6 above
15.	Volume II of II Technical, Clause 9.15	33 OF 100	Weldability	We understand that field weldability test will be carried out by the EPC contractor at site. Please confirm	Refer S. No. 8 above
16.	Volume II of II Technical, Clause 9.3	27 of 100	The actual yield strength shall be as close as possible to the specified minimum yield strength (SMYS) but in no case it shall exceed more than 131 Mpa from specified minimum yield strength for X-42 Grade	We request you to consider Mechanical properties as per API 5L 44 <sup>th</sup> edition	Tender conditions prevail
17.	Volume II of II Technical, Clause 9.4.3	28 of 100	The test pressure for all sizes and grades of pipe shall be such that hoop stress generated at least 95 % of SMYS	The Test Pressure will be as per API 5L or 90% of SMYS. End correction factor will be applicable	Pressure calculations shall be as per the formula defined in the CI 10.2.6.6. Keeping a test pressure such that hoop stress generated is at least 95% of SMYS.

18.	Volume II of II Technical, Clause 9.4	28 of 100	Test pressure shall be held for a minimum period of 15 seconds	We request to allow for 5 seconds. However we will do some pipes for 15 seconds. (For seamless Pipe)	Tender conditions prevail
19.	Volume II of II Technical, Clause 9.4.3	28 of 100	The test pressure for all sizes and grades of pipe shall be such that hoop stress generated at least 95 % of SMYS	We request to kindly consider the same 85% of SMYS	Tender conditions prevail
20.	Volume II of II Technical, Clause 9.4.5	28 of 100	Burst test shall be done on each type of pipe for each size.	Burst test shall not be applicable for seamless pipes.	Tender conditions prevail
21.	Volume II of II Technical, Clause 9.11	31 of 100	Wall Thickness- The tolerance on specified wall thickness shall be (+) 10% and Zero negative tolerance.	For seamless pipes it is very difficult tolerance of +/- 10% we request to kindly allow either (-) 5% (+) 15% or (+) 20% with zero negative tolerance. As per API it is (-) 12.5% & (+) 15%.	Please Refer S. No. 1 of Corrigendum – 1
22.	Volume II of II Technical, Clause 10.2.1	34 of 100	Product Analysis- Two pipes per heat.  Tensile Test- Test shall be made at the frequency of two pipes per lot of 100 pipes.	Please Consider one pipe per heat.  We request to accept one pipe per heat	Tender conditions prevail
23.	Volume II of II Technical, Clause 9.15	33 of 100	Weldability test shall be conducted at pipe mill on first day production.	We request you to kindly ignore the weldability test for the seamless pipes.	Tender conditions prevail
24.	Volume II of II Technical, Clause E 3.3	48 of 100	The Portion of the pipe end that is not covered by the automated inspection system shall be inspected for defects by the manual or semi automated ultrasonic angle beam method or the magnetic particle method.	The pipe ends which are not covered in automatic full body EMI testing, shall be tested by MPI(Wet) method	<b>For welded pipe</b> – Pipe end shall be inspected by Manual UT or Semi Automatic Ultrasonic Angle Beam Method or by Radiographic Method which ever is appropriate or such non inspected end shall be cut off.  <b>For Seamless Pipe</b> - Pipe end shall be inspected by Manual UT or by MPI method or such non inspected end shall be cut off.
25.	Volume II of II	55 of 100	Ultrasonic test EMI at N 12.5	Inplace of UT we suggest EMI(Body) & MPI(Ends) at N 10	Tender conditions prevail

	Technical,				
26.	Volume I of II Commercial I, Clause No. 3.1.2 of IFB	6 of 192	Coating Plant Qualification:- The bidder shall furnish a certificate for proposed coating plant along with their bid.	Format not provided in the Bid Document.	Please refer S. No. 2 of Corrigendum - 1
27.	Volume II of II Technical, Clause No.3.1.2	5 of 100	Management and Maintenance of Storage Yards. Handling over of bare / coated pipes to the Gail Gas store.	Please Clarify the Clause	Refer Corrigendum – 1
28.	VOL I of II	52 of 192	Definition	<ul style="list-style-type: none"> <li>From clause 1.1.1 of SCC, we understand that GAIL Gas will arrange and maintain storage yard for stacking of line pipes at the designated locations i.e. bidder does not have to arrange for the land and maintain the storage yard. Whereas, in scope of work in Vol.-II (additional works for Option-2 &amp; 3), it is mentioned that “management and maintenance of storage yards”. Please clarify.</li> <li>Also, please confirm whether the scope of unloading and stacking at storage yards including arranging for equipment and stacking material is in the scope of bidder or GAIL GAS.</li> <li>We understand that Warehouse location at “Sonipat City” and “Sonipat for Meerut City” is common as indicated in the price schedule. Please confirm.</li> </ul>	<p>Bidder’s understanding is correct. Refer Corrigendum – 1</p> <p>Bidder’s Scope</p> <p>Bidder’s Understating is correct</p>
29.			Scope of supply for Options-2 & 3	Please confirm that applicable road permits required for entry into Rajasthan, MP & Haryana shall be provided by GAIL Gas in sufficient numbers without any commercial implication to the bidder.	Confirmed, without any commercial implication to bidder.
30.	VOL I of II	2, 55 and 139 of 192	Delivery schedules for Options – 1, 2 & 3	Considering the lead time of 8 – 10 weeks required for procurement of API grade Coils, the delivery schedule given is inadequate. Also, for Option – 2, the delivery schedule allowed to complete the scope of work of lifting the bare pipes, coating & delivering coated pipes is insufficient. Hence, we request for	Tender Condition Prevail

				enhancement of delivery schedule for all the options by at least 6 – 8 weeks.	
31.	VOL I of II 31.3 of ITB	24 of 192	Evaluation and award criteria	Please confirm the methodology for evaluation and award. Whether item-wise quantity in totality for all warehouse locations taken together would be considered or it would be item-wise warehouse-wise.	Tender Condition Prevail
32.	VOL I of II 1.1.4 of Payment Terms	143 of 192	Payment terms for Option-2	It is mentioned that balance 10% payment shall be paid within 30 days of delivery of finished line pipes to the laying contractor. Since our scope is limited to deliver the coated pipes at storage yards of GAIL GAS, please confirm that 10% balance payment shall be paid progressively within 30 days of delivery of coated line pipes at GAIL GAS storage yard.	Refer Corrigendum – 1
33.	VOL I of II 13.0 of ITB	18 of 192	Period of Validity of Bids	The bid validity period should be 2 months instead of 3 months as steel prices are volatile, these days and no steel suppliers are ready to give the prices valid for longer period. This will facilitate us to submit competitive quote without unnecessary cushion of future increase in raw material prices for a longer period.	Tender Condition prevail
34.	VOL I of II 11 of SCC – Goods	56 of 192	Recovery on Failure of Pipe under Field Hydro Test	During field hydro test if pipes fails Rs.11 Lacs / Pipe shall be charged, which is too exorbitant. Maximum amount should be Rs.3 Lacs instead of Rs. 11 Lacs. This amendment will help us to submit the competitive price with out taking any extra price cushion on this account.	Tender Condition prevail
35.	VOL I of II 24 of SCC – Goods	58 of 192	Repeat order	Bidder wish inform that the steel prices are fluctuating every month. Hence it is not viable to accept the repeat order clause. We request you to please delete the same or freeze the final quantity at the time of placement of order.	Tender Condition prevail
36.	VOL I of II 24 of 1.1 Payment Terms and Mode of Payment – Op 1 & 3	61 of 192	Terms of Payment – Option 1	Please amend the terms of payment as 100% payment with in 10 days after submission of invoice and handed over of pipes to coating contractor.	Tender Condition prevail