



REPLY TO BIDDER'S PRE-BID QUERIES

TENDER FOR SUPPLY OF 172.5 KM STEEL LINEPIPE TO MEET PROJECTS REQUIREMENT FOR STRETCHES OF GR.NOIDA & HAPUR AND BANDA GA EXPANSION

TENDER DOCUMENT NO. IGL/ET2/CP/CP17510, Dated 24.05.2023

VCS REFERENCE NO. VCS/C&P/17028/PC/CS PIPE/10

Owner: Indraprastha Gas Ltd.

Consultant: VCS Quality Services Pvt. Ltd.

Pre-bid meeting held on 30.05.2023

Date: 23.06.2023

Sl. No.	Cl No.	Page No.	Description	Bidder's Query/Clarification	IGL/VCS Reply
<b>Commercial</b>					
1	7.6 of IFB	10 of 106	Bid Submission date and time	Due date is 7th June, It will be very difficult for us to arrange the BEC Documents duly attested from Chartered Engineer / Statutory auditor with in 7 days hence request you to extend the bid due date for 2 Weeks more i.e. on 21st June 2023.	Refer Corrigendum#3, Dated 20.06.2023
2	7.6 of IFB	10 of 106	Bid Submission date and time	You are requested to kindly arrange to extend the Bid submission date at least by 3-4 weeks.	Refer Corrigendum#3, Dated 20.06.2023
3			Legal and statutory requirement	Please provide Legal and statutory requirement (if any)	Tender Condition shall Prevail
4	8.3 of IFB	14 of 106	The documents required to be submitted by the bidder to substantiate their qualification under Bidder Evaluation Criteria (BEC)	To save time for getting signed doc. from external agency, we request to kindly allow us to submit the BEC documents which we had submitted for IGL previous tender.	Acceptable with Bid Ref No. and details of this tender, wherever applicable. (Tender condition shall prevail)
5	8.2.3.a of IFB	13 of 106	If the bidder's working capital is inadequate for the item(s) quoted, the bidder should supplement this with a letter from the bidder's bank, having net worth not less than Rs.100 Crore, confirming the availability of the line of credit to cover the inadequacy of working capital required as above. Line of credit must contain Tender No., Tender Description and Client Name. Letter for line of credit must be issued by a scheduled bank. Format of line of credit letter from bank has been enclosed at Annexure-2.	As the Working Capital requirement mentioned in the Tender Doc. for Item A, B & C (Cumulative total) is <b>Rs. 21.02.07,000/-</b> . In case the Working Capital is inadequate or negative, our understanding is that we have to provide Line of Credit from our Bank confirming specific working capital requirement of <b>Rs. 21.02.07,000/-</b> only for meeting minimum working capital requirement for the above mentioned tender for Item No. A, B & C. Please clarify in case different interpretation.	Bidder's interpretation is correct (Tender Conditions shall prevail)
6	9.1 of IFB	14 of 106	Bid Security	We understand that if a bidder will participate in more than one items ,bidder has to pay Maximum bid security amount of INR 20.00 Lakh only.	Bidder's interpretation is correct (Tender Conditions shall prevail)
7	Forms & Formats	81,83,84,87 of 106	Form 3 , Form 4 , Form 5 & Form 8	Bidder wish to put forth that we have recently prepared and authenticated required formats from Chartered Engineer/Chartered Accounts for qualification of same Pipe Mill and Coating Plants in a recently concluded IGL Project Bid Ref No. IGL/ET2/CP/CP17294, Dated 30.12.2022 & qualified through these documents .In light of this we sincerely request you to please accept the same for this RFQ.	Accepted with Bid Ref No. and details of this tender, wherever applicable. (Tender condition shall prevail)



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<b>Technical</b>					
1				<p>We would like to bring to your attention that the current requirement for pipe size 16" is limited to ERW/seamless pipes, which is restricting us to quote for this tender as we wish to quote for LSAW pipes. By allowing the inclusion of LSAW pipes in this tender, we believe it would not only prevent restrictions to a few manufacturers but but rather bring higher competition which will lead to better price.</p> <p>Furthermore, we would like to highlight that both LSAW/HSAW pipes are allowed for 16" OD in all Oil and Gas PSUs.</p> <p>Therefore, We kindly request your consideration to include LSAW pipes as well.</p>	Refer Corrigendum#4
2				<p>we request you to kindly allow 16" OD Line Pipe through LSAW Pipe route. In case 16" OD Line Pipe through LSAW route is not allowed it will restrict competition.</p> <p>We would like to mention that we have supplied the huge quantity in 16" OD Pipe through LSAW route and grade upto X70 in API 5L PSL2 to all PSU's namely GAIL, IOCL, HPCL, ONGC within India and Overseas. We had supplied more than 1000 km till date in Domestic and Overseas. The copy of track record is also attached for your kind reference. From the track record you may observe that Jindal Saw Ltd (JSAW) had supplied substantial quantity of 16" OD through LSAW route.</p> <p>In view of facts stated above, we humbly request you to please include LSAW route for 16" OD Line Pipes (for item C) to enable us to participate in the subject tender and to submit our most competitive and comprehensive bid.</p>	Refer Corrigendum#4
3	Clause no. 9.11.3.3 of Standard Specification for High Frequency Welded Line Pipe		All pipes shall be supplied with length between 11.5 m and 12.5 m. However pipe with length between 10.0 m and 11.5 m can also be accepted for a maximum of 5% of the ordered quantity. The minimum average length of the entire ordered quantity in any case shall be 12.0 m. Overall length tolerance shall be (-) Zero and (+) One pipe length to complete the ordered quantity. Table 12 of API Spec 5L stands deleted.	<p>We understand that as per the said clause one pipe length in addition to the PO Qty is acceptable &amp; Payable by client. Kindly Confirm.</p> <p>Further, kindly allow the Delivery Location-wise/Site-wise negative length tolerance to complete the ordered Qty.</p>	<p>Confirmed</p> <p>(-) Zero and (+) One pipe length is the quantity tolerance of each size. This means if the item is delivered to multiple locations, for some locations the negative tolerance is acceptable however overall quantity tolerance of each size shall be (-) Zero and (+) One pipe length.</p>



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4	Table 11		1) Pipe Temperature before acid wash : 45°C to 750C. 2) Temperature of hot air used for pipe drying after water rinse : 75°C to 850C. 3) Pipe Temperature before application of chromate solution : 40°C to 800C. 4) Pipe temperature : 225 to 2400C or as per FBE manufacturer recommendation	These are the typo errors, We consider as follows:- 1) Pipe Temperature before acid wash : 45°C to 75°C. 2) Temperature of hot air used for pipe drying after water rinse : 75°C to 85°C. 3) Pipe Temperature before application of chromate solution : 40°C to 80°C. 4) Pipe temperature : 225 to 240°C or as per FBE manufacturer recommendation. Kindly Confirm.	Bidder's understanding is correct (Tender Conditions shall prevail)
5	7.2.6,Table-11,STD. ITP SR. No.5		High pressure water rinse (> 1500 psi) after phosphoric acid wash shall be used to remove any trace of treatment residue. A minimum 1 liter of de-ionized water per square meter of pipe surface area shall be used and correct rinsing volume shall be established in order to ensure that pH of pipe surface shall be in the range of 6 to 7.	We propose to maintain the High pressure water for rinse after acid application as per acid manufacturer recommendation i.e. minimum 1000 PSI and water consumption as per acid manufacturer recommendation. Actual pressure we will maintain 1200PSI. Kindly Consider.	Tender Conditions shall prevail
6	5.4.3		Oxidation Induction Time (Intercept in the tangent method) : ≥ 30 at 2100C	It is typo error, as per material manufacturer Oxidation Induction Time is ≥ 30 at 210°C. We consider the same. Kindly Confirm.	Bidder's understanding is correct (Tender Conditions shall prevail)
7	Table-7 (4)&(5)		1) Indentation of PE top coat @ 230C+/-20C @800C+/-20C 2) Strain at Break of PE Top Coat at 230C +/-30C	It is typo error, 1) As per material manufacturer Indentation of PE top coat at 23°C ± 2°C and 80°C ± 2°C. 2) As per material manufacturer Strain at Break of PE Top Coat (% Elongation test at break ) at 23°C ± 3°C. We consider the same. Kindly Confirm.	Bidder's understanding is correct (Tender Conditions shall prevail)
8	8.5.2.4		Peel strength tests one at each end and one in the middle of the pipe.	The test location for middle bond strength test at a feasible distance i.e. approx. 400 mm from bevel end of pipe as pipe size is very small due to this, test temp. is not to maintain at middle location. So, we consider the same. Kindly Consider.	Considered



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9	Table-12 (Sr. No. 2.11,2.12,2.13)		Testing frequency during production: 1) Hot water Adhesion 24 h at 75°C ±3°C : 1/ shift (1 sample) 2) Cross section porosity : 1/ shift (2 samples) 3) Interface porosity : 1/ shift (2 samples)	As per relevant standard and our practice, these test tests are Destructive tests and there is no need to perform these tests Hot water Adhesion, cross Section porosity & interface porosity during regular Production for 3LPE Coating in 1/Shift. These tests need to perform only PQT of 3LPE coating. These tests are need to perform during production only for Single layer FBE or DFBE coating only. so, we request these test to perform only PQT. Please confirm.	Tender Conditions shall prevail
10	8.4		Qualification of Coating Repair: Cosmetic Repair, Repair with Melt Stick, Patch Repair & Heat- shrinkable Sleeve (HSS) Repair	We will submit the repair qualification report provided by repair material manufacturer. During production we will perform the repair as per manufacturer recommendation and Approved Repair procedure.	Tender Conditions shall prevail
11	22 of MR		Color bands of 50 mm width to be placed at both the ends, inside of Bare Pipes at a distance of 150 mm from the pipe ends and outside of 3LPE Coated Pipes at a distance of 450 mm from the pipe ends.	In our practice, We will apply color band on Coated pipes at one end at a minimum distance of 450mm from pipe bevel end.  Kindly Consider.	Tender Conditions shall prevail
12	2		Quantity tolerance Overall length tolerance shall be (-) Zero and (+) One pipe length to complete the ordered quantity.	We understand that (-) Zero and (+) One pipe length is the quantity tolerance of each size. This means if the item is delivered to multiple locations, for some locations the negative tolerance is acceptable however overall quantity tolerance of each size shall be (-) Zero and (+) One pipe length. Please confirm.	Bidder's understanding is correct (Tender Conditions shall prevail)
13	VCS -SS-PP-2008 Cl. No. 11.2.4	Pipe markings	The pipe number shall be placed by cold rolling or low stress dot marking or vibro-etching on the outside surface of the pipe at an approximate distance of 50 mm from both ends.	Stamping on pipe is technically not advisable. Also stamping is not a safe practice. Hence we propose to waive off the requirement of stamping.	Tender Conditions shall prevail
14	4.3.1. of VCS-SS-PP-2003 Rev.04	Raw material test	Particle size	We do not have facility for particle size measurement. Particle size shall be mentioned in manufacturer certificate.	Tender Conditions shall prevail



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15	5.4.3 of VCS-SS-PP-2003 Rev.04	Oxidation Induction Time	≥30 at 2100C	We consider that it was a typo-error in temperature and it shall be read as ≥ 30 at 210°C as per table 5 of ISO 21809-1:2018	Bidder's understanding is correct (Tender Conditions shall prevail)				
16	(Sr no. 4 & 5 )Table 7 of VCS-SS-PP-2003 Rev.04		<table border="1"> <tr> <td>4</td> <td>Indentation of PE top coat @ 230C +/- 20C</td> </tr> <tr> <td>5</td> <td>Strain at Break of PE Top Coat at 230C +/- 30C</td> </tr> </table>	4	Indentation of PE top coat @ 230C +/- 20C	5	Strain at Break of PE Top Coat at 230C +/- 30C	We consider that it is a typo error in temperature unit at various places like cl. no. 8.5.1.8, 8.5.1.9 & table 11 so it shall be read as a °C.	Bidder's understanding is correct (Tender Conditions shall prevail)
4	Indentation of PE top coat @ 230C +/- 20C								
5	Strain at Break of PE Top Coat at 230C +/- 30C								
17	Cl no. 8.2.4 of VCS-SS-PP-2003 Rev.04	Recycling of PQT pipes	On successful completion of PQT, coating of all seven pipes shall be removed completely and recoated as per approved coating procedure at Applicator's expense. Remaining 8 (eight) pipes will be accepted by Owner provided they meet the requirements of this specification and need not be stripped and re-cycled.	We proposed that all the pipes including 5 PQT pipes shall be considered acceptable provided they meet the requirements of this specification and need not to be stripped and re-cycled. Please confirm	Tender Conditions shall prevail				
18	7.2 of VCS-SS-PP-2003 Rev.04	Phosphoric Acid Wash & Chromate Treatment	Chemical pre-treatment with phosphoric acid solution (if specified):	Please confirm whether phosphoric acid wash & chromate treatment is applicable for this project or not	phosphoric acid wash followed by de-ionized water wash shall be carried out, only if, salt contamination level is observed more than 2µg/cm <sup>2</sup> after blast cleaning.				
19	8.3.4.1 of VCS-SS-PP-2003 Rev.04		Phosphoric Acid Wash followed by De-ionized Water Wash (If specified):						
20	7.3 of VCS-SS-PP-2003 Rev.04		Chemical Pre-treatment with Chromate Solution (If specified):						
21	8.3.4.2 of VCS-SS-PP-2003 Rev.04		Chromate Treatment (if specified):						



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22	8.5.2.9 of VCS-SS-PP-2003 Rev.04	C.D. test	The following CD tests shall be carried out on samples selected from 1 PQT test pipe in accordance with Annex H of ISO 21809-1: <ul style="list-style-type: none"> <li>65±3°C/24h/-3.38V;</li> <li>23±3°C/28d/-1.38V;</li> <li>80 ±3°C/28d/-1.38 V.</li> </ul>	We propose that we will perform c.d. test on 3 sample for 65±3°C/24h/-3.38V, 1 sample for 23±3°C/28d/-1.38V; and 1 sample 80 ±3°C/28d/-1.38 V in PQT.	Tender Conditions shall prevail														
23	Table 12 of VCS-SS-PP-2003 Rev.04	Bond Strength ( Peel Test	<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Properties</th> <th>Test Method</th> <th>Requirements</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>4.6</td> <td>Peel Strength of 3LPE Coating at 23°C +/-3°C at 80°C+/-3°C</td> <td>ISO 21809-1 Annex C2, Clause 8.6.2.4.</td> <td>≥18 N/mm 23±3°C, ≥5 N/mm 80±3°C, (No disbonding between steel &amp; epoxy)</td> <td>5 pipes x 3 tests (@ both ends &amp; middle)  2 h for pipe ends (cutback portion) &amp; 4 h for middle of pipe</td> </tr> </tbody> </table>	Sl. No.	Properties	Test Method	Requirements	Frequency	4.6	Peel Strength of 3LPE Coating at 23°C +/-3°C at 80°C+/-3°C	ISO 21809-1 Annex C2, Clause 8.6.2.4.	≥18 N/mm 23±3°C, ≥5 N/mm 80±3°C, (No disbonding between steel & epoxy)	5 pipes x 3 tests (@ both ends & middle)  2 h for pipe ends (cutback portion) & 4 h for middle of pipe	We propose that for middle peel test requirement, the peel test shall be performed at maximum feasible distance from pipe end. It is not possible to maintain the specified test temperature at the middle of the pipe due to size constraint and safety issue.  Location to be decided / establish in PQT by customer / their representative.	Bidder's understanding is correct (Tender Conditions shall prevail)				
Sl. No.	Properties	Test Method	Requirements	Frequency															
4.6	Peel Strength of 3LPE Coating at 23°C +/-3°C at 80°C+/-3°C	ISO 21809-1 Annex C2, Clause 8.6.2.4.	≥18 N/mm 23±3°C, ≥5 N/mm 80±3°C, (No disbonding between steel & epoxy)	5 pipes x 3 tests (@ both ends & middle)  2 h for pipe ends (cutback portion) & 4 h for middle of pipe															
24	Table 12 of VCS-SS-PP-2003 Rev.04	Specific electrical coating resistivity	<table border="1"> <thead> <tr> <th rowspan="2">Sl. No.</th> <th rowspan="2">Properties</th> <th rowspan="2">Test Method</th> <th rowspan="2">Requirements</th> <th colspan="2">Frequency</th> </tr> <tr> <th>During PQT</th> <th>During Production</th> </tr> </thead> <tbody> <tr> <td>4.17</td> <td>Specific Electrical Coating Resistance (23 °C &amp; 2 °C)</td> <td>DIN 30670 Annex 3, Clause 8.6.2.15.</td> <td>≥108 Ωm²</td> <td>Review of Independent test certificate not older than 3 years as per clause 8.6.2.6</td> <td>Not required (However, Owner may request to conduct the test for 3LPE coating at an accredited independent laboratory)</td> </tr> </tbody> </table>	Sl. No.	Properties	Test Method	Requirements	Frequency		During PQT	During Production	4.17	Specific Electrical Coating Resistance (23 °C & 2 °C)	DIN 30670 Annex 3, Clause 8.6.2.15.	≥108 Ωm²	Review of Independent test certificate not older than 3 years as per clause 8.6.2.6	Not required (However, Owner may request to conduct the test for 3LPE coating at an accredited independent laboratory)	Since it is carried out by material manufacturer at interval of 3 year. We will provide raw material test certificate from material manufacturer in production as and when applicable.	Confirmed
Sl. No.	Properties	Test Method	Requirements					Frequency											
				During PQT	During Production														
4.17	Specific Electrical Coating Resistance (23 °C & 2 °C)	DIN 30670 Annex 3, Clause 8.6.2.15.	≥108 Ωm²	Review of Independent test certificate not older than 3 years as per clause 8.6.2.6	Not required (However, Owner may request to conduct the test for 3LPE coating at an accredited independent laboratory)														
25	Table 12 of VCS-SS-PP-2003 Rev.04	UV resistance and thermal ageing.	<table border="1"> <thead> <tr> <th rowspan="2">Sl. No.</th> <th rowspan="2">Properties</th> <th rowspan="2">Test Method</th> <th rowspan="2">Requirements</th> <th colspan="2">Frequency</th> </tr> <tr> <th>During PQT</th> <th>During Production</th> </tr> </thead> <tbody> <tr> <td>4.18</td> <td>UV Resistance and Thermal Ageing</td> <td>ISO 21809-1 Annex G, Clause 8.6.2.16</td> <td>Δ MFR: ≤35 %</td> <td>Review of Independent test certificate not older than 3 years as per clause 8.6.2. p</td> <td>Not required (However, Owner may request to conduct the test for PE top coat material at an accredited independent laboratory)</td> </tr> </tbody> </table>	Sl. No.	Properties	Test Method	Requirements	Frequency		During PQT	During Production	4.18	UV Resistance and Thermal Ageing	ISO 21809-1 Annex G, Clause 8.6.2.16	Δ MFR: ≤35 %	Review of Independent test certificate not older than 3 years as per clause 8.6.2. p	Not required (However, Owner may request to conduct the test for PE top coat material at an accredited independent laboratory)		
Sl. No.	Properties	Test Method	Requirements					Frequency											
				During PQT	During Production														
4.18	UV Resistance and Thermal Ageing	ISO 21809-1 Annex G, Clause 8.6.2.16	Δ MFR: ≤35 %	Review of Independent test certificate not older than 3 years as per clause 8.6.2. p	Not required (However, Owner may request to conduct the test for PE top coat material at an accredited independent laboratory)														



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26	Cl no. 15 of VCS-SS-PP-2003 Rev.04	Tolerance for verification of digital thermometer and optical pyrometer	<table border="1"> <thead> <tr> <th>Device Name</th> <th>Reference Clause No.</th> <th>Frequency of in-house Verification</th> <th>Tolerance</th> </tr> </thead> <tbody> <tr> <td>Digital Contact Thermometer</td> <td>7.4.1.5</td> <td>Twice / shift</td> <td>Standard value <math>\pm 2\%</math></td> </tr> <tr> <td>Optical Pyrometer</td> <td>7.4.1.5</td> <td>Twice / shift</td> <td>Standard value <math>\pm 2\%</math></td> </tr> </tbody> </table>	Device Name	Reference Clause No.	Frequency of in-house Verification	Tolerance	Digital Contact Thermometer	7.4.1.5	Twice / shift	Standard value $\pm 2\%$	Optical Pyrometer	7.4.1.5	Twice / shift	Standard value $\pm 2\%$	Mention tolerance for verification is too stringent for comply. Temperature measurement is continuous in coating so we propose that the tolerance shall be within $\pm 3\%$ .	Tender Conditions shall prevail
Device Name	Reference Clause No.	Frequency of in-house Verification	Tolerance														
Digital Contact Thermometer	7.4.1.5	Twice / shift	Standard value $\pm 2\%$														
Optical Pyrometer	7.4.1.5	Twice / shift	Standard value $\pm 2\%$														
27	Cl no. 15 of VCS-SS-PP-2003 Rev.04	Tolerance for verification of Holiday test voltage	<table border="1"> <thead> <tr> <th>Device Name</th> <th>Reference Clause No.</th> <th>Frequency of in-house Verification</th> <th>Tolerance</th> </tr> </thead> <tbody> <tr> <td>Holiday Detector</td> <td>8.6.2.3.</td> <td>Every 4 hours</td> <td>Standard value <math>\pm 2\%</math></td> </tr> </tbody> </table>	Device Name	Reference Clause No.	Frequency of in-house Verification	Tolerance	Holiday Detector	8.6.2.3.	Every 4 hours	Standard value $\pm 2\%$	This requirement is stringent for compliance. Practically it is not possible to set voltage within tolerance of 2% of 25KV (24.95 KV to 25.05 KV) in plant condition. We can comply voltage as per annex B of ISO 21809-1:2018 i.e. 25 kV $\pm 2.5$ kV or minimum 25 as per sl no. 4.5 of table 12. Please confirm.	Tender Conditions shall prevail				
Device Name	Reference Clause No.	Frequency of in-house Verification	Tolerance														
Holiday Detector	8.6.2.3.	Every 4 hours	Standard value $\pm 2\%$														
28	Annexure-I of VCS-SS-PP-2003 Rev.04	Tolerance for verification of Holiday test voltage	PE Compound (Manufacturer) HE 3450H (BOREALIS / BOROUGE)	We proposed that borouge has HE3450 grade which meet the technical specification requirement. Request to consider the HE3450.	Tender Conditions shall prevail												



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29	VPC-SS-PP-2008 Rev No : 02 Clause No. 9.3.2	Tensile Properties	The finished pipe (after all heat treatment an expansion or sizing operations) shall conform to the requirements of Table 3B of API Spec. 5L and as modified herein. The actual yield strength shall be as close as possible to the specified minimum yield strength (SMYS) but in no case it shall exceed the limits specified here under : API Spec. 5L Grade Permissible in excess of SMYS, Mpa (PSI) Up to and including X46M 131 (19000) X52M to X60M 125 (18,000)	TSL requested kindly allow Tensile Properties as per API 5L 46th edition.	Tender Conditions shall prevail
30	VPC-SS-PP-2008 Rev No : 02 Clause No. 9.3.2	Tensile Properties	The ratio of body yield strength and body tensile strength of each test pipe on which yield strength and ultimate tensile strength are determined, shall not exceed 0.90	TSL requested kindly allow ratio of body yield strength and body tensile strength of each test pipe as per API 5L 46th edition.	Tender Conditions shall prevail
31	VPC-SS-PP-2008 Rev No : 02 Clause No. 9.10.7 (a)	Surface Imperfection	Imperfections that have a depth < 0.05t and do not encroach on the minimum specified wall thickness shall be classified as acceptable imperfections and shall be treated in accordance with Clause C.1 of this specification.	As per API 5L 46th edition clause no. 9.10.7 (a) Imperfections that have a depth $\leq 0.125t$ and do not encroach on the minimum permissible wall thickness shall be classified as acceptable imperfections and shall be treated in accordance with C.1. So TSL requested kindly allow surface imperfection as per API 5L 46th edition.	Tender Conditions shall prevail
32	VPC-SS-PP-2008 Rev No : 02 Clause No. 9.11.3.3	Minimum Avg. Length	All pipes shall be supplied with length between 11.5 m and 12.5 m. However pipe with length between 10.0 m and 11.5 m can also be accepted for a maximum of 5% of the ordered quantity. The minimum average length of the entire ordered quantity in any case shall be 12.0 m	TSL understanding The definition of average length is applicable for 95 % of order quantity & 5 % supplies will be from 10.5 mtr to 11.50mtr. However TSL requesting you that the minimum average length should be 11.5 meter.	Tender Conditions shall prevail
33	VPC-SS-PP-2008 Rev No : 02 Clause No. 9.12.5.7	Bevel Protectors	Both pipe ends of each pipe shall be provided with metallic or high impact plastic bevel protectors as per Manufacturer's standard. Bevel protectors shall be of a design such that they can be re-used by coating applicator for providing on externally anti corrosion coated pipes subsequent to coating of line.	Design of Bevel Protector acceptable. TSL Understand Bevel protector shall be used after 3LPE Coating. Please confirm.	Bidder's understanding is correct (Tender Conditions shall prevail)
34	VPC-SS-PP-2008 Rev No : 02 Clause No. 10.2.6.2	Hydrostatic Test Pressure	The pressure gauge used for hydrostatic testing shall have a minimum range of 1.5 times and maximum range of 4 times the test pressure. The test-pressure measuring device shall be calibrated by means of a dead-weight tester only. The test configuration shall permit bleeding of trapped air prior to pressurization of the pipe.	TSL understand test pressure measuring device requirements which is ok. Moreover, TSL request the calibration of pressure gauge by deadweight tester on weekly basis. Please confirm.	Tender Conditions shall prevail





REPLY TO BIDDER'S PRE-BID QUERIES

TENDER FOR SUPPLY OF 172.5 KM STEEL LINEPIPE TO MEET PROJECTS REQUIREMENT FOR STRETCHES OF GR.NOIDA & HAPUR AND BANDA GA EXPANSION

TENDER DOCUMENT NO. IGL/ET2/CP/CP17510, Dated 24.05.2023

VCS REFERENCE NO. VCS/C&P/17028/PC/CS PIPE/10

Owner: Indraprastha Gas Ltd.

Consultant: VCS Quality Services Pvt. Ltd.

Pre-bid meeting held on 30.05.2023

Date: 23.06.2023

Sl. No.	Cl No.	Page No.	Description	Bidder's Query/Clarification	IGL/VCS Reply
35	VPC-SS-PP-2008 Rev No : 02 Clause No. 11.2.8	Pipe Marking	A colour code band shall be marked on inside surface of finished pipe for identification of pipes of same diameter but different wall thickness, as indicated in the Purchase Order. The colour code band shall be 50 mm wide and shall be marked at a distance of 150 mm from the pipe ends.	We are doing stencilling by paint at a distance of 150 mm from pipe end. And also for color code band marking at a distance of 150 mm, which may overlap with stencil marking. So TSL requested, kindly allow for color code band marking at a distance of 50mm from pipe at outside of the pipe.	Tender Conditions shall prevail
36	VPC-SS-PP-2008 Rev No : 02 Clause No. 8.1.2	Manufacturing Procedure Qualification for PSL2 Pipe	These manufacturing procedure qualification tests (MPQT) shall be repeated upon any change in the manufacturing procedure as deemed necessary by Purchaser's Representative. The manufacturing procedure qualification tests shall be carried out on pipes for each wall thickness, each diameter and each grade of steel.	TSL understanding - for first day of production is that any in between stoppage like mechanical & electrical stoppage including tool change breakage will not call for Re-PQT while rolling the coils of different heat on first day of production if the parameter mentioned (WPS) is not getting changed	Bidder's understanding is correct (Tender Conditions shall prevail)
37	VPC-SS-PP-2008 Rev No : 02 Clause No. E.5.2.3.2	Reference Standards for pipe body UT	Reference Standards for pipe body UT: Reference standards for the ultrasonic inspection of coil or pipe body (except the coil edges /pipe ends) shall contain continuous machined notch of following dimension: a) width, w : 8mm, with a tolerance +0.8/0.0 mm b) depth, d : 0.25<d<0.5 t, where 't' is the specified wall thickness Reference standards for the ultrasonic inspection of coil edges (area adjoining weld seam)/pipe ends shall have 6.4 mm diameter FBH of a depth 0.5t, where 't' is the specified wall thickness.	Body UT will carried out as per reference standards: a) width, w : 8mm, with a tolerance +0.8/0.0 mm b) depth, d : 0.25<d<0.5 t, where 't' is the specified wall thickness TSL requested, kindly wave off of FBH for reference standard.	Tender Conditions shall prevail
38	Doc no. VCS-SS-PP-2003 Rev.04 Dated.05.08.2022 Clause No. 4.3.1	Epoxy Powder	Particle size	TSL would like to inform that, mentioned test perform by material manufacturer and provide RMTC for test result, TSL will submit same for Review and acceptance.	Tender Conditions shall prevail
39	Doc no. VCS-SS-PP-2003 Rev.04 Dated.05.08.2022 Clause No. 5.4.4	Table 5 - On Cured Epoxy (FBE) film of 3LPE Coating	2.Degree of Cure $\Delta Tg -3^{\circ}C \leq \Delta Tg \leq + 3^{\circ}C$	TSL would like to inform that Degree of cure requirement i.e. $\Delta Tg = +3/-2^{\circ}C$ specified in old version of CSA Z245.20 but in latest edition of CSA Z245.20-16 requirement is $\leq 5^{\circ}C$ . TSL will be follow latest edition of specification.	Tender Conditions shall prevail
40	Doc no. VCS-SS-PP-2003 Rev.04 Dated.05.08.2022 Clause No. 5.4.4	Table 5 - On Cured Epoxy (FBE) film of 3LPE Coating	6.Hot Water Adhesion 28 days at 75°C +/-3°C	TSL would like to inform that , This is long duration test and it is conduct by raw material manufacturer, however it is not possible to provide test result at the time of material shipment. Hence, we request to you test result shall be Once per each grade of epoxy.	Tender Conditions shall prevail
41	Doc no. VCS-SS-PP-2003 Rev.04 Dated.05.08.2022 Clause No. 5.4.4	Table 5 - On Cured Epoxy (FBE) film of 3LPE Coating	10. Impact Resistance at 0 °C	TSL would like to inform that, mentioned test perform by material manufacturer and provide RMTC for test result, TSL will submit same for Review and acceptance.	Tender Conditions shall prevail



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VCS REFERENCE NO. VCS/C&P/17028/PC/CS PIPE/10

Owner: Indraprastha Gas Ltd.

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42	Doc no. VCS-SS-PP-2003 Rev.04 Dated.05.08.2022 Clause No. 5.4.4	Table 6 - On Extruded Adhesive film of 3LPE coating	2. Strain at Break at 23°C ± 3°C	TSL would like to inform that, mentioned test perform by material manufacturer and provide RMTC for test result, TSL will submit same for Review and acceptance.	Tender Conditions shall prevail
43	Doc no. VCS-SS-PP-2003 Rev.04 Dated.05.08.2022 Clause No. 5.4.4	Table 6 - On Extruded Adhesive film of 3LPE coating	3. Stress at Yield at 23°C ± 3°C	TSL would like to inform that, mentioned test perform by material manufacturer and provide RMTC for test result, TSL will submit same for Review and acceptance.	Tender Conditions shall prevail
44	Doc no. VCS-SS-PP-2003 Rev.04 Dated.05.08.2022 Clause No. 5.4.4	Table 7 - On HDPE Top Coat layer and 3LPE coating	10. Specific Electrical Coating Resistance (23 °C ± 2 °C)	TSL would like to inform that, This is long duration test and it will be performed by the material manufacturer and report shall be submitted for review and acceptance.	Tender Conditions shall prevail
45	Doc no. VCS-SS-PP-2003 Rev.04 Dated.05.08.2022 Clause No. 5.4.4	Table 7 - On HDPE Top Coat layer and 3LPE coating	12. $\Delta Tg = -3^{\circ}C \leq \Delta Tg \leq +3^{\circ}C$	TSL would like to inform that Degree of cure requirement i.e. $\Delta Tg = +3/-2^{\circ}C$ specified in old version of CSA Z245.20 but in latest edition of CSA Z245.20-16 requirement is $\leq 5^{\circ}C$ . TSL will be follow latest edition of specification.	Tender Conditions shall prevail
46	Doc no. VCS-SS-PP-2003 Rev.04 Dated.05.08.2022 Clause No. 7.2.9	Salt test	The salt tests shall be carried out after de-ionized water rinse at one end of each pipe at the blasting inspection bed.	TSL would like to inform that, All pipe shall be provided chemical pre-treatment with phosphoric acid for removal of salt contamination from the pipe surface. Hence, We propose that test shall be conduct in 1 in 10 pipes.	Tender Conditions shall prevail
47	Doc no. VCS-SS-PP-2003 Rev.04 Dated.05.08.2022 Clause No. 7.4.2.6	Air pressure in the epoxy spray guns	Air pressure in the epoxy spray guns shall be controlled, continuously monitored and recorded by using suitable instruments.	TSL Would propose that continuously monitoring facility is available and recording a temperature in logbook at regular interval.	Tender Conditions shall prevail
48	Doc no. VCS-SS-PP-2003 Rev.04 Dated.05.08.2022 Clause No. 7.4.1	Pipe Heating	Temperature measuring & monitoring equipment shall be calibrated twice every shift and/or as per Owner Representative's instruction.	Once in year we are doing the calibration of all Temperature measuring instruments by external calibration agency and calibration certificate shall be provided to you for review and acceptance. PI confirm.	Tender Conditions shall prevail
49	Doc no. VCS-SS-PP-2003 Rev.04 Dated.05.08.2022 Clause No. 7.4.1	--	Suitable arrangement shall be made to protect the bevel ends from getting damaged during the coating operation.	Putting and removal of coupling is safety hazards. However by during the adequate alignment of the line and speed optimization no bevel getting damaged. If any bevel got damaged we are during buffing on VDI table.	Tender Conditions shall prevail



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VCS REFERENCE NO. VCS/C&P/17028/PC/CS PIPE/10

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Consultant: VCS Quality Services Pvt. Ltd.

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50	Doc no. VCS-SS-PP-2003 Rev.04 Dated.05.08.2022 Clause No. 7.4.3	Extrusion temperature	The extrusion temperature of polyethylene film shall be continuously recorded. The monitoring instruments shall be independent of the temperature control equipment. The instruments shall be calibrated prior to start of each shift.	TSL Would propose that continuously monitoring facility is available and recording a temperature in logbook at regular interval. The instruments use for PE and adhesive shall be calibrate in specialized equipment outside laboratory so we proposed review of outside lab calibration certificate.	Tender Conditions shall prevail
51	Doc no. VCS-SS-PP-2003 Rev.04 Dated.05.08.2022 Clause No. 7.1.14	----	Suitable plugs shall be provided at both pipe ends to prevent entry of any shot/grit into the pipe during blast cleaning operations. These plugs shall be removed after blast cleaning.	Putting and removal of plugs is safety hazards. Hence, TSL have ensure that 1. There No gap between two pipes by maintaining the blasting conveyor line speed for prevent the entry of shot and grits. 2. Additionally air blowing system is already exist for individual pipe on blasting table.	1. It is covered in Clause No.7.1.14 2. Additional air blowing also acceptable
52	Doc no. VCS-SS-PP-2003 Rev.04 Dated.05.08.2022 10.5	Table 10 — Requirements for inspection of surface preparation of pipe	4. Size, shape and properties of virgin abrasive	TSL would like to inform that, mentioned details perform by material manufacturer and provide RMTc for test results, TSL will submit same for Review and acceptance.	Tender Conditions shall prevail
53	Doc no. VCS-SS-PP-2003 Rev.04 Dated.05.08.2022 15	INSPECTION, MEASURING AND TEST EQUIPMENT:	Optical Pyrometer	Once in year we are doing the calibration of all Temperature measuring instruments by external calibration agency and calibration certificate shall be provided to you for review and acceptance. PI confirm.	Tender Conditions shall prevail
54	Doc no. VCS-SS-PP-2003 Rev.04 Dated.05.08.2022	-	Chemical-pre-treatment with Phosphoric Acid & Chromate Solution	TSL will understand Phosphoric Acid & Chromate Solution are required when salt level is greater than 2 µg/cm² as per Clause no.7.1.12. Please confirm the Understanding.	Bidder's understanding is correct (Tender Conditions shall prevail)
55	6.0 Note 14  9.12.5 9.12.5.6		For butt weld end, bevel shall be in accordance with API specification 5L.  Plain ends During removal of inside burrs at the pipe ends, care shall be taken not to remove excess metal and not to form an inside cavity on bevel. Removal of excess metal beyond the minimum wall thickness as indicated in clause 9.11.3.2 of this specification shall be a cause for re-bevelling. In case root face of bevel is less than that specified, the pipe ends shall be re-bevelled and rectification by filing or grinding shall not be done.	As per current project MR, the bevel shall be as per API 5L, accordingly, bevel end preparation has been considered as per CL 9.12.5.2 of API 5L. Please confirm.	Confirmed



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TENDER DOCUMENT NO. IGL/ET2/CP/CP17510, Dated 24.05.2023

VCS REFERENCE NO. VCS/C&P/17028/PC/CS PIPE/10

Owner: Indraprastha Gas Ltd.

Consultant: VCS Quality Services Pvt. Ltd.

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56	6.0 Note 15.0 6.0 Note 16.0 HFW Spec CL 9.12.5.7		Both pipe ends of each pipe shall be provided with metallic or high impact plastic bevel protectors/end cap as per Manufacturer's standard. Bevel protectors/end shall be of a design such that they can be re-used by coating applicator for providing on externally anticorrosion coated pipes subsequent to coating of line pipe. The details of the bevel protector/end caps shall be furnished for approval prior to start of the production.  Plastic push fit types end caps shall be installed on all small diameter pipe ends.  Bevel Protectors Both pipe ends of each pipe shall be provided with metallic or high impact plastic bevel protectors as per Manufacturer's standard. Bevel protectors shall be of a design such that they can be re-used by coating applicator for providing on externally anti-corrosion coated pipes subsequent to coating of line pipe. The details of the bevel protector/end caps shall be furnished for approval prior to start of the production	Bidder confirms to supply all pipes with metallic bevel end protectors at both ends.	Confirmed			
57	6.0 Note 13.0		Pipe roughness shall be 40 Micron.	Bidder understands that the requirement specified herein is typographical error as these pipes are required to be supplied with external 3LPE coating. Please reconfirm.	This is applicable only for bare pipe Bidder's understanding is correct (Tender Conditions shall prevail)			
58	2		NORMATIVE REFERENCES The latest edition (edition enforce at the time of issue of enquiry) of following additional references are included in this specification: ASTM E112-12: Standard Test Methods for Determining Average Grain size	Bidder understands that the latest year edition of ASTM E112 is of 2013.We confirm to follow this latest edition.	Tender Conditions shall prevail			
59	9.8.2.2 9.8.3		Pipe body tests The minimum average (set of three test pieces) shear fracture area shall be at least 85 % with one minimum value of 75%, based at a test temperature of 0 °C (32 0F) or at a lower test temperature as specified in the Purchase Order / Material Requisition (MR).  Pipe weld and HAZ tests The average (set of three test pieces) absorbed energy value (Kv1) for each pipe weld and HAZ test shall be as specified in Table 8 of this specification, based upon full-size test pieces at a test temperature of 0°C (32°F) or at a lower test temperature as specified in the Purchase Order / Material Requisition (MR).	Bidder Clarifies that CVN absorbed energy value for Pipe body, Weld and HAZ of PSL2 Pipe is considered as per Table 8 of Client Spec.  However, CVN requirements specified in Annex G of Client specification is not considered.	Bidder's understanding is correct Annex G is not applicable (Tender Conditions shall prevail)			
60	10.2.1.2 Table 18		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%; text-align: center;">2</td> <td style="width: 40%;">Product analysis <sup>b</sup></td> <td style="width: 55%;">Two pipes per lot (maximum 100 pipes) per heat</td> </tr> </table> <p><sup>b</sup> Pipes selected shall be such that one at the beginning of the heat and one at the end of the heat are also represented.</p>	2	Product analysis <sup>b</sup>	Two pipes per lot (maximum 100 pipes) per heat	Bidder confirms for product analysis in pipes with 2 samples / 100 pipes / heat shall be selected randomly from the heat used at pipe mill for pipe production with lot of 100 pipes.	Tender Conditions shall prevail
2	Product analysis <sup>b</sup>	Two pipes per lot (maximum 100 pipes) per heat						



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Sl. No.	Cl No.	Page No.	Description	Bidder's Query/Clarification	IGL/VCS Reply
61	10.2.8.7		The measuring equipment requiring calibration or verification under the provisions of API Spec 5L shall be calibrated with manual instruments at least once per operating shift (12 hours maximum). Such calibration records shall be furnished to Purchaser's Representative on request	Bidder confirms that repeatability of measuring instruments Verification of all measuring instruments shall be done in each shift of 12 hours at final station. Record of same shall be furnished to the appointed representative.  However, Bidder clarifies that calibration of dimension measuring equipment shall be done on yearly basis from an external NABL lab. Please confirm.	Tender Conditions shall prevail
62	11.2.4		The pipe number shall be placed by cold rolling or low stress dot marking or vibro-etching on the outside surface of the pipe at an approximate distance of 50 mm from both ends. In case of non-availability of either cold rolling or low stress dot marking facility in pipe mill, an alternative marking scheme of a permanent nature may be proposed by the Manufacturer.	As permitted in Technical specification, as an alternate marking scheme, Bidder proposes that the use of Laser Marking machine shall also be permitted (permanent in nature) for placing the pipe number on OD surface. Please confirm.	Tender Conditions shall prevail
63	11.2.8		A colour code band shall be marked on inside surface of finished pipe for identification of pipes of same diameter but different wall thickness, as indicated in the Purchase Order. The colour code band shall be 50 mm wide and shall be marked at a distance of 150 mm from the pipe ends.	Bidder understand that the specified requirement as same diameter and different wall thickness for colour code is not applicable. Accordingly not considered.  However, if colour code is required please provide the colour code band colours for different wall thickness or diameter. Please confirm.	Bidder's understanding is correct Tender Conditions shall prevail
64	-		General	Bidder has retained Inspection & Test Plan of Electric Welded Line Pipes for information only, however project specific ITP shall be submitted upon receipt of award of Contract. Please confirm.	Tender Conditions shall prevail
65	3.2		In process inspection Raw material Inspection 1) Mechanical 2) Chemical 3) Impact  QUANTUM OF CHECK: One/Heat	Bidder confirms to perform only tensile test (transverse) & Chemical analysis of received coil as incoming material inspection test with frequency of one/heat. No CVN test to be carried out at pipe mill on coils as incoming material inspection.  However, The coil MTC received from steel mill shall be reviewed for the referenced tests.  Also clarifies that CVN will be carried out on pipes as per frequency specified in tender specification for pipes. Please confirm.	Confirmed



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66	Cl. 11.0 of Doc. No.: 17028-CGD-PL-MR-001		Bidder shall inspect of all coated line pipes in presence of Owner representative while handing over of pipes. Holiday inspection for visually damaged, coating damaged pipes etc. shall be carried out by bidder while handing over of pipes. Repair of damaged pipes, bevelled end defects and damaged coating (including supply of coating materials for repair) noticed at the time of handing over of coated pipes. All handling, lifting tools etc. required for inspection of coated pipes at Storage Yards shall be carried out by the bidder.	<p>Bidder clarifies based on our standard practice that pipes are finally accepted through the holiday inspection and after satisfaction of the holiday inspection the pipe tagged by the accepted coated pipe number. Further that pipe to be shifted to the coating yard/storage area.</p> <p>Hence, the coating requirement is external 3LPE and the external PE thick surface is generally applicable for the mechanical protection during the handling of the pipes and there is minimum possible chance to observed holiday on 3LPE coating. However, the probability of holiday is only possible to come in case of coating damage.</p> <p>Hence, during the unloading of the pipes will be visually checked for damage, if the damage observed on the coated pipes, then the pipe to be checked for holiday inspection and the subsequent repair to be carried out as per approved repair procedure.</p> <p>Please confirm.</p>	Tender Conditions shall prevail
67	Cl. 13.0 of Doc. No.: 17028-CGD-PL-MR-001		Pipe roughness shall be 40 Micron.	<p>Bidder would like to clarify that there is no internal coating requirement in this tender, also pipes are required to be supplied with 3LPE coating. Accordingly, the requirement specified herein of pipe roughness shall not be applicable. Hence not considered. Please confirm.</p>	Confirmed
68	Cl. 21.0 of Doc. No.: 17028-CGD-PL-MR-001		All items shall be provided with EN 10204, 3.2 Certification. Inspection of Steel Plate/Coil/Billet required for manufacturing of Line Pipe shall also be 3.2 certified as per EN 10204. To carrying out inspection as per EN 10204, 3.2 certification, Vendor shall appoint TPIA from the attached TPIA list at bidder's own cost.	<p>Bidder request to provide the list of TPIA.</p> <p>Please confirm.</p>	Refer Commercial Volume SCC
69	Cl. 22.0 of Doc. No.: 17028-CGD-PL-MR-001		Color bands of 50 mm width to be placed at both the ends, inside of Bare Pipes at a distance of 150 mm from the pipe ends and outside of 3LPE Coated Pipes at a distance of 450 mm from the pipe ends. White Band marking inside for all the items.	<p>Bidder request to provide colour coding for outside surface of coated pipe.</p> <p>Please confirm.</p>	Colour band is not applicable as the supply is of single thickness of each pipe



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70	Page 190 to 201 (REPLY TO BIDDER'S PRE-BID QUERIES IN PREVIOUS TENDERS)		REPLY TO BIDDER'S PRE-BID QUERIES IN PREVIOUS TENDERS SUPPLY OF 3LPE COATED CS PIPELINE IN NCT OF DELHI, UTTAR PRADESH, NCR, HARYANA AND RAJASTHAN	Bidder has considered "REPLY TO BIDDER'S PRE-BID QUERIES IN PREVIOUS TENDERS" for the evaluation of the enquiry. We understand that "REPLY TO BIDDER'S PRE-BID QUERIES IN PREVIOUS TENDERS" stands valid for this tender also. Hence we haven't raised the comment which has already been resolved in the previous tender (REPLY TO BIDDER'S PRE-BID QUERIES IN PREVIOUS TENDERS).  Please confirm.	Confirmed
71	Cl. 13 of Doc. No.: VCS-SS-PP-2003 & Doc. No.: VCS-SS-PP-2027, Rev. 02, Date: 29.04.2022		Cl. 13 of Doc. No.: VCS-SS-PP-2003 Repair of Coating  Doc. No.: VCS-SS-PP-2027, Rev. 02, Date: 29.04.2022: Standard specification for repair of polyethylene coating	Bidder understands that Doc. No.: VCS-SS-PP-2027, Rev. 02, and Date: 29.04.2022 is applicable for repair of damages that occur after dispatch of coated pipes to dump site prior to handing over to Installation Agency.  However, Repair at coating plant shall be carried out as per clause no. 13 of the Doc. No.: VCS-SS-PP-2003. Please confirm.	Bidder's understanding is correct (Tender Conditions shall prevail)
72	Cl. 3.10 of Doc. No.: VCS-SS-PP-2003		Material manufacturer shall conduct the tests for each grade of material in Approved external independent laboratory (preferably ISO 17025 certified or equivalent having good track records of pipe coating testing) and provide complete test report (not older than 3 years) prior conducting Procedure Qualification Trail (PQT).	Bidder clarifies that material manufacturer may be conducted the tests for each grade of material at their in house laboratory or Approved external independent laboratory (preferably ISO 17025 certified or equivalent having good track records of pipe coating testing). Please confirm.	Tender Conditions shall prevail



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73			The coating material manufacturers shall carry out tests for all properties specified in clause 5.4.1, 5.4.2 & 5.4.3 and Table 2, 3 & 4 respectively for each batch of epoxy, adhesive and polyethylene compound. The coating materials manufacturer shall issue test certificates as per BS EN 10204, 3.1 for each batch of materials supplied to Applicator/ Contractor indicating all contents/ parameters required for batch certification as per clause 9.3, Table 6 of ISO 21809-1:2018 and the same shall be submitted to Owner for approval prior to their use.	<p>Bidder clarifies that material manufacturer will provide test certificate for all properties specified in Table 2, Table 3 and Table 4 of specification for each batch of epoxy, adhesive and polyethylene compound respectively. However all the properties will not be tested for each batch. Epoxy, Adhesive and Polyethylene manufacturer will provide batch test certificate for the measured value and typical value as mentioned below: Epoxy Powder: All Properties tested for each batch as per Table 2 PE Adhesive: MFR, Density and Water content results shall be reported as measured value for each batch whereas the Strain at break, Stress at yield and Vicat Softening Temperature will be reported as typical values supported by reputed lab reports.</p> <p>High Density Polyethylene: Density, Melt Flow Rate, Oxidation Induction Time, Carbon Black Content, Water Content results shall be reported as measured value for each batch. The properties –Hardness Shore D, Strain at break, Stress at yield, Vicat Softening Temperature, ESCR, Carbon black dispersion, UV resistance, Thermal Aging, Volume resistivity and Dielectric Withstand shall be reported as typical value supported by independent lab test report valid for one year.</p> <p>For UV resistance, Thermal ageing and Coating Resistivity test bidder will submit independent laboratory test report furnished by material manufacturer. These test certificates will not be older than three years. Please confirm.</p>	Tender Conditions shall prevail
74	Cl. 4.2 of Doc. No.: VCS-SS-PP-2003		<p>Cl. 7.2.9 of Doc. No.: VCS-SS-PP-2003 The salt tests shall be carried out after de-ionized water rinse at one end of each pipe at the blasting inspection bed.</p> <p>Sr. No. 7 of table 10 of Doc. No.: VCS-SS-PP-2003 Soluble salt after blasting (at one end)</p>	<p>Bidder clarifies that salt contamination test will be checked after abrasive blasting at blasting inspection station. However, phosphoric acid wash followed by high pressure water wash is only applicable when salt contamination level is observed more than 2 µg/cm<sup>2</sup> after blast cleaning as per Sr. No. 48 of "REPLY TO BIDDER'S PRE-BID QUERIES IN PREVIOUS TENDERS". Please confirm.</p>	Confirmed





REPLY TO BIDDER'S PRE-BID QUERIES

TENDER FOR SUPPLY OF 172.5 KM STEEL LINEPIPE TO MEET PROJECTS REQUIREMENT FOR STRETCHES OF GR.NOIDA & HAPUR AND BANDA GA EXPANSION

TENDER DOCUMENT NO. IGL/ET2/CP/CP17510, Dated 24.05.2023

VCS REFERENCE NO. VCS/C&P/17028/PC/CS PIPE/10

Owner: Indraprastha Gas Ltd.

Consultant: VCS Quality Services Pvt. Ltd.

Pre-bid meeting held on 30.05.2023

Date: 23.06.2023

Sl. No.	Cl No.	Page No.	Description	Bidder's Query/Clarification	IGL/VCS Reply
75			<p>Cl. 7.4.1 of Doc. No.: VCS-SS-PP-2003 Temperature measuring &amp; monitoring equipment shall be calibrated twice every shift and/or as per Owner Representative's instruction.</p> <p>Cl. 15 of Doc. No.: VCS-SS-PP-2003 Calibration of optical pyrometer: Twice/shift</p>	<p>Bidder clarifies that the pyrometers are used for monitoring of PE &amp; adhesive temperature and the same is specialized equipment and are calibrated in specialized equip outside laboratory, so we propose to review the outside lab calibration certificate.</p> <p>However, the pyrometer will be checked for errors every shift against a calibrated temperature-measuring instrument. Please confirm.</p>	Confirmed



REPLY TO BIDDER'S PRE-BID QUERIES

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Sl. No.	Cl No.	Page No.	Description	Bidder's Query/Clarification	IGL/VCS Reply			
76	Cl. 7.2.9 & Sr. No. 7 of table 10 of Doc. No.: VCS-SS-PP-2003		Only those coating material which are pre-qualified and approved by Owner / Consultant in accordance with provisions of Annexure I of this specification and qualified in accordance with requirements of clause 5.4.1, 5.4.2, 5.4.3, 5.4.4 and Table 2, 3, 4 & 5 of this specification shall be utilized for coating.	Bidder understands that the coating material specified in the Annexure –I have already been pre-qualified by the Owner / Consultant and subsequent listed in the approved vendor list given in Annexure I. Accordingly we understand that the requirement mentioned in clause 7.4.2.3 is applicable in case the coating materials to be used other than approved coating material combination given in Annexure I. Please confirm.	Tender Conditions shall prevail			
77	Cl. 7.4.1 & 15 of Doc. No.: VCS-SS-PP-2003		Cl. 13.1.7 of Doc. No.: VCS-SS-PP-2003 In case of coating defect close to coating cut back, applicator shall remove the coating throughout the entire circumference of the pipe down to the steel surface and increase the coating cut back length. Now if the coating cutback exceeds 150 mm linear length of pipe then the coating shall be repaired by the use of heat shrink sleeves thereby making up the coating cut back length of 150 mm;  Table 12 (Sr. No. 4.20 of Doc. No.: VCS-SS-PP-2003 Cutback of 3LPE coating: 150 mm (+) 20 / (-) 0 mm	Bidder understands that "if the coating cutback exceeds 170 mm (150 mm (+) 20 / (-) 0 mm) instead of 150 mm linear length of pipe, then the coating shall be repaired by the use of heat shrink sleeves thereby making up the coating cut back length of 150 mm (+) 20 / (-) 0 mm.  Please confirm.	Bidder's understanding is correct (Tender Conditions shall prevail)			
78	Cl. 7.4.2.3 of Doc. No.: VCS-SS-PP-2003		All inspection, measuring and test equipment shall be good working condition and have valid calibration certificates traceable to ISO 17025 accredited calibration laboratory or equivalent. In addition to the above, the following measuring devices shall be verified at a regular interval during execution of coating activities.  Device Name: Holiday detector: Every 4 hours	Bidder clarifies that All inspection, measuring and test equipment shall be good working condition and have valid calibration certificates traceable to ISO 17025 / NPL accredited calibration laboratory or equivalent.  Please confirm.	Tender Conditions shall prevail			
79	Table 12 (Sr. No. 4.20), Cl. 13.1.7, 13.1.8 of Doc. No.: VCS-SS-PP-2003		LI <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; padding: 5px;">           JOTAPIPE AC 2001 (Formerly, CORRO-COAT EP-F 2001) / JOTAPIPE AC 2002 (Formerly, CORRO-COAT EP-F 2002HW) / JOTAPIPE AC 1003 (Formerly, CORRO-COAT EP-F -1003HW) (JOTUP) or SCOTCHKOTE 226N (SM) or PIPECLAD 2000/PIPECLAD 1000 (SHERWIN-WILLIAMS)         </td> <td style="width: 33%; padding: 5px;">           ME 0420 (BOREALIS)         </td> <td style="width: 33%; padding: 5px;">           HE 3450H (BOREALIS / BOROUGH)         </td> </tr> </table>	JOTAPIPE AC 2001 (Formerly, CORRO-COAT EP-F 2001) / JOTAPIPE AC 2002 (Formerly, CORRO-COAT EP-F 2002HW) / JOTAPIPE AC 1003 (Formerly, CORRO-COAT EP-F -1003HW) (JOTUP) or SCOTCHKOTE 226N (SM) or PIPECLAD 2000/PIPECLAD 1000 (SHERWIN-WILLIAMS)	ME 0420 (BOREALIS)	HE 3450H (BOREALIS / BOROUGH)	Bidder would like to add HDPE topcoat grade "HE 3450" material along with the straight line combination. This material "HE 3450" confirms to meet all the properties of PE material specified in the specification and also meet quality of end product.  Please confirm.	Tender Conditions shall prevail
JOTAPIPE AC 2001 (Formerly, CORRO-COAT EP-F 2001) / JOTAPIPE AC 2002 (Formerly, CORRO-COAT EP-F 2002HW) / JOTAPIPE AC 1003 (Formerly, CORRO-COAT EP-F -1003HW) (JOTUP) or SCOTCHKOTE 226N (SM) or PIPECLAD 2000/PIPECLAD 1000 (SHERWIN-WILLIAMS)	ME 0420 (BOREALIS)	HE 3450H (BOREALIS / BOROUGH)						



REPLY TO BIDDER'S PRE-BID QUERIES

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TENDER DOCUMENT NO. IGL/ET2/CP/CP17510, Dated 24.05.2023

VCS REFERENCE NO. VCS/C&P/17028/PC/CS PIPE/10

Owner: Indraprastha Gas Ltd.

Consultant: VCS Quality Services Pvt. Ltd.

Pre-bid meeting held on 30.05.2023

Date: 23.06.2023

Sl. No.	Cl No.	Page No.	Description	Bidder's Query/Clarification	IGL/VCS Reply
80	Cl. 15 of Doc. No.: VCS-SS-PP-2003		Sr. No. 44, 45, 57, 63 Annexure II of VPC-SS-PL-0002	Bidder would like to inform that REPLY TO BIDDER'S PRE-BID QUERIES IN PREVIOUS TENDERS™ has reference of Annexure II for pipe end protection using end seal tape, plastic end plug + metallic bevel protector. However, the tenderer document does not have such document. Hence we have not considered End Seal Tape, plastic end plug + metallic bevel protector.  Please confirm.	Refer Note No. 15 & 16 of MR
81	Annexure-I of Doc. No.: VCS-SS-PP-2003		All pipes shall be supplied with length between 11.5 m and 12.5 m. However pipe with length between 10.0 m and 11.5 m can also be accepted for a maximum of 5% of the Ordered quantity. The minimum average length of the entire ordered quantity in any case shall be 12.0 m. Overall length tolerance shall be (-) Zero and (+) One pipe length to Complete the ordered quantity. Table 12 of API Spec 5L stands deleted.	As per rules and regulations of Road and Transport department (RTO). The pipe length above 12.19m is not allowed. Hence it should be allowed to supply the pipes in the range between 11.20m to 12.19m with average length 11.80m and for sample pipes maximum 5% of ordered qty. shall be between 10.0m to 11.20m.  Kindly confirm.	Tender Conditions shall prevail
82	Page 190 to 201 (REPLY TO BIDDER'S PRE-BID QUERIES IN PREVIOUS TENDERS)		The measuring equipment requiring calibration or verification under the provisions of API Spec 5L shall be calibrated with manual instruments at least once per operating shift (12 hours maximum). Such calibration records shall be furnished to Purchaser's Representative on request.	We are using measuring instruments/equipment's calibrated from NABL accredited Laboratory. So We shall follow the API (46th edition) requirements regarding to comply the calibration & verification frequency of instruments & equipment.  Kindly confirm.	Tender Conditions shall prevail
83	Cl. No. 9.11.3.3 of Tech. Spec. VCS-SS-PP-2008		WPS, PQR & WPQ.	MPS (Manufacturing Procedure Specification) & Welding Parameter Sheet shall be provided instead of WPS, PQR & WPQ as WPS/PQR is not applicable for HFW process.  Kindly Confirm.	Confirmed
84	Cl. No. 10.2.8.7 of Tech. Spec. VCS-SS-PP-2008		Color bands of 50 mm width to be placed at both the ends, inside of Bare Pipes at a distance of 150 mm from the pipe ends and outside of 3LPE Coated Pipes at a distance of 450 mm from the pipe ends.	Please provide the colour code for color bands at outside of 3LPE Coated Pipes for each pipe size.	Colour band is not applicable as the supply is of single thickness of each pipe



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Sl. No.	Cl No.	Page No.	Description	Bidder's Query/Clarification	IGL/VCS Reply
85	Sr. No. 1.2 of VPC-ITP-PP-2016		Conveying of epoxy powder from storage room to fluidized bed shall be thru a suitably designed conveying system. Manual powder feeding shall not be permitted.	We would like to clarify that we are using fluidized bed with capacity of 200 kg and maintained it with maximum 25 kg of epoxy powder with maintaining temperature and humidity within manufacturer's specified parameter. Hence we are proposing the same.	Tender Conditions shall prevail
86	Cl. no. 22.0 & 23.0 of 17028-CGD-PL-MR-001.		The conductivity of DI (De-Ionized) water (if used) shall be less than 5 micro-Siemens/cm and rinse water pressure shall be minimum 1500 psi.	Bidder clarify that pressure of de-ionized water wash shall be maintained as per phosphoric acid manufacturer recommendation.	Tender Conditions shall prevail
87	CS. Cl. no. 3.4 of Doc. no.: VCS-SS-PP-2003		The coating material manufacturers shall carry out tests for all properties specified in clause 5.4.1, 5.4.2 & 5.4.3 and Table 2, 3 & 4 respectively for each batch of epoxy, adhesive and polyethylene compound. The coating materials manufacturer shall issue test certificates as per BS EN 10204, 3.1 for each batch of materials supplied to Applicator/ Contractor indicating all contents/ parameters required for batch certification as per clause 9.3, Table 6 of ISO 21809-1:2018 and the same shall be submitted to Owner for approval prior to their use.	We would like to clarify that adhesive and polyethylene materials manufacturer provides tests certificates for each batch as measured value and typical value with complying Table 6 — Batch certificate of ISO 21809-1: 2018. However epoxy powder each batch test certificates complying this specification as well as Table 6 of ISO 21809-1: 2018.	Tender Conditions shall prevail
88	CS. Cl. no. 3.7, 7.2.6 & 10.5.1 of Doc. no.: VCS-SS-PP-2003		All materials to be used shall be supplied in sealed, damage free containers and shall be suitably marked with the following minimum information: <ul style="list-style-type: none"> <li>• Name of the Manufacturer</li> <li>• Grade or Trade name</li> <li>• Health, safety and environmental Instructions</li> <li>• Type of Material</li> <li>• Batch Number</li> <li>• Place of Manufacture</li> <li>• Manufacturing Date / Shelf Life/Expiry Date (if applicable)</li> <li>• Quantity</li> </ul> All materials noted to be without above identification shall be deemed suspect and shall be rejected by Owner. Such materials shall not be used for coating and shall be removed from plant/ factory and replaced by Applicator/ Contractor at his expense.	Epoxy powder bag printing marked complied all required points.  However adhesive and polyethylene materials bag marked with all required point except of Health, safety and environmental instructions and Manufacturing Date/Self life /Expiry date. These two information will be provided on each batch test certificates.	Tender Conditions shall prevail
89	CS. Cl. no. 4.2 of Doc. no.: VCS-SS-PP-2003		All pipes shall be preheated to a temperature of 65°C to 85°C prior to abrasive blast cleaning using induction heating or radiant heating.	We would like to intent that all pipe shall be preheated by using gas fire instead of induction heating and or radiant heating at before blast cleaning operation.	Tender Conditions shall prevail



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Sl. No.	Cl No.	Page No.	Description	Bidder's Query/Clarification	IGL/VCS Reply
90	CS. Cl. no. 4.4 of Doc. no.: VCS-SS-PP-2003		<p>Any pipe having salt contamination exceeding 2µg/cm<sup>2</sup> shall be de-ionized water washed and then re-checked for salt contamination.</p> <p>In case, salt level is still greater than 2 µg/cm<sup>2</sup>, chemical pre-treatment of steel pipes after abrasive blasting using phosphoric acid wash, followed by high pressure water wash (&gt;1500 psi) shall be carried out as per clause 7.2.</p> <p>7.2 Chemical pre-treatment with phosphoric acid solution (if specified): All pipes shall be provided chemical pre-treatment with phosphoric acid solution having concentration of 10% (+2%). Oakite 31 / 33 or equivalent shall be used to remove all soluble salts and other soluble contaminant.</p> <p>10.3 Chemical Pre-treatment with Phosphoric Acid Solution and / or Chromate Treatment (If specified by the Owner): Depending on requirements, each pipe shall be subjected to Chemical Pre-treatment with Phosphoric Acid Solution followed by high pressure water rinse and / or Chromate Treatment in accordance with Clauses 7.2 &amp; 7.3 of this specification. Treated pipe surface shall be inspected and tested in accordance with Table 11 in order to ensure characteristics of pipe surface prior to induction heating.</p> <p>Table 11 — Requirements for Inspection of Chemical Pre-treatment (If specified):</p>	<p>Please confirm the chemical pre-treatment with phosphoric acid wash followed by de-ionized water wash is applicable when salt contamination is exceeding 2µg/cm<sup>2</sup>.</p> <p>Please also confirm the chromate treatment before FBE application is required or not.</p> <p>Please confirm the both.</p>	<p>Chemical pre-treatment with phosphoric acid wash followed by de-ionized water wash shall be carried out only, if salt contamination level is observed more than 2µg/cm<sup>2</sup> after blast cleaning.</p> <p>Chromate treatment is required</p>
91	CS. Cl. no. 7.1.4 of Doc. no.: VCS-SS-PP-2003		<p>In addition to Manufacturer's certificate, the Applicator/ Contractor shall draw two samples per batch of epoxy, adhesive and polyethylene in the presence of Owner Representative and test for the following properties at the coating laboratory prior to its use in order to establish compliance with the manufacturer's test certificates.</p> <p>Epoxy Powder:</p> <ul style="list-style-type: none"> <li>• Density</li> <li>• Gel Time</li> <li>• Particle size</li> <li>• Moisture content</li> <li>• Thermal characteristics (Tg1, Tg2 &amp; ΔH)</li> </ul>	<p>We would like to clarify that all specified test shall be carried out except of Particle size. The epoxy raw material manufacturer perform the Particle size test and provide test certificates, the same certificates will submitted to the client/ client's representative for review.</p> <p>Please confirm.</p>	Tender Conditions shall prevail
92	CS. Cl. no. 7.1.12 7.2 & 10.5.1 of Doc. no.: VCS-SS-PP-2003		The coating pipe mill shall have internal tracking system for pipe traceability during regular coating to reduce manual interference. SAP base system is preferred.	We would like to clarify that we have using ERP based internal pipe tracking system. Hence, We shall maintain DATA in ERP system.	Tender Conditions shall prevail



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Sl. No.	Cl No.	Page No.	Description	Bidder's Query/Clarification	IGL/VCS Reply																
93	CS. Cl. no. 4.3.1 of Doc. no.: VCS-SS-PP-2003.		<p><b>INSPECTION, MEASURING AND TEST EQUIPMENT:</b></p> <table border="1"> <thead> <tr> <th>Device Name</th> <th>Clause No.</th> <th>Frequency of in house Verification</th> <th>Tolerance</th> </tr> </thead> <tbody> <tr> <td>Digital Contact Thermometer</td> <td>7.4.1.5</td> <td>Twice / shift</td> <td>Standard value <math>\pm 2\%</math></td> </tr> <tr> <td>Optical Pyrometer</td> <td>7.4.1.5</td> <td>Twice / shift</td> <td>Standard value <math>\pm 2\%</math></td> </tr> <tr> <td>Holiday Detector</td> <td>8.6.2.3.</td> <td>Every 4 hours</td> <td>Standard value <math>\pm 2\%</math></td> </tr> </tbody> </table>	Device Name	Clause No.	Frequency of in house Verification	Tolerance	Digital Contact Thermometer	7.4.1.5	Twice / shift	Standard value $\pm 2\%$	Optical Pyrometer	7.4.1.5	Twice / shift	Standard value $\pm 2\%$	Holiday Detector	8.6.2.3.	Every 4 hours	Standard value $\pm 2\%$	<p>We wish to clarify that the required in house verification of inspection, measuring and test equipment is narrow tolerance. Therefore We shall maintain the within the acceptance Criteria of calibration certificates which have calibrated from accredited independent laboratory (specialized calibration agency) i.e. <math>\pm 3\%</math> for digital contact thermometer &amp; optical pyrometer and <math>\pm 5\%</math> of holiday detector.</p>	Tender Conditions shall prevail
Device Name	Clause No.	Frequency of in house Verification	Tolerance																		
Digital Contact Thermometer	7.4.1.5	Twice / shift	Standard value $\pm 2\%$																		
Optical Pyrometer	7.4.1.5	Twice / shift	Standard value $\pm 2\%$																		
Holiday Detector	8.6.2.3.	Every 4 hours	Standard value $\pm 2\%$																		
94	4.2 of IFB	9 of 106	Basis of Delivery	Request you to confirm the delivery Location wise quantity of Item C OD 16" X 7.91 mm Thk – 141.5 Kms with Pin Code location else it will be difficult for us to offer with freight component.	The state wise quantities are already mentioned in Cl. No. 4.2 of IFB. The final destination for deliveries shall be shared during issuance of dispatch clearance as per tender.																
95	3.1 of IFB	8 of 106	Brief Scope	<p>Please be informed We are manufacturer &amp; Supplier of HSAW / LSAW Pipes ranges from OD 16" – 134" with thickness ranges from 6.4 mm – 60 mm.</p> <p>We request you to arrange to include in Scope of Supply in clause No 3.1 ( Pg 9) – type of manufacturing method as HFW/ Seamless / LSAW/ HSAW.</p>	Refer Corrigendum # 4																
96	4.1 of IFB	9 of 106	<p>Delivery : Delivery of CS Line Pipe shall be completed in 4 lots and the details are as follows;</p> <p>Delivery of 1st lot (16" for 25km.) shall be completed within 12 weeks from placement date of LOA/PO/ first intimation from IGL.</p> <p>Delivery of 2nd lot (16" for 25km.) shall be completed within 16 weeks from placement date of LOA/PO/ first intimation from IGL.</p> <p>Delivery of 3rd lot shall be completed within 20 weeks from placement date of LOA/PO/ first intimation from IGL.</p> <p>Delivery of 4th lot shall be completed within 26-30 weeks from placement date of LOA/PO/ first intimation from IGL.</p>	<p>Lot-wise quantity distributions of 3rd &amp; 4th lots are not available in tender documents.</p> <p>Kindly Provide the Lot-wise quantities along with sizes, Site/Store or quantity distribution chart.</p>	Lot-wise quantity distribution will be given during award of LOA/PO, However the state wise quantities are already mentioned in Cl. No. 4.2 of IFB. The final destination for deliveries shall be shared during issuance of dispatch clearance as per tender.																



REPLY TO BIDDER'S PRE-BID QUERIES

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Sl. No.	Cl No.	Page No.	Description	Bidder's Query/Clarification	IGL/VCS Reply
97	4.1 of IFB	9 of 106	<p>Delivery : Delivery of CS Line Pipe shall be completed in 4 lots and the details are as follows;</p> <p>Delivery of 1st lot (16" for 25km.) shall be completed within 12 weeks from placement date of LOA/PO/ first intimation from IGL.</p> <p>Delivery of 2nd lot (16" for 25km.) shall be completed within 16 weeks from placement date of LOA/PO/ first intimation from IGL.</p> <p>Delivery of 3rd lot shall be completed within 20 weeks from placement date of LOA/PO/ first intimation from IGL.</p> <p>Delivery of 4th lot shall be completed within 26-30 weeks from placement date of LOA/PO/ first intimation from IGL.</p>	<p>Delivery of 1st lot within 12 weeks is not practically possible as procurement of HR coils, casting, Inspection &amp; arrival at plant generally takes 2-3 month's time, however 1st lot pipes supply to be completed with-in 12 weeks, which is not feasible, so we request you to keep 1st lot delivery within 18-20 weeks suitably.</p> <p>Kindly Consider.</p>	Tender condition shall prevail
98	4.1 of IFB	9 of 106	<p>Delivery of CS Line Pipe shall be completed in 4 lots and the details are as follows;</p> <p>Delivery of 1st lot (16" for 25km.) shall be completed within 12 weeks from placement date of LOA/PO/ first intimation from IGL.</p> <p>Delivery of 2nd lot (16" for 25km.) shall be completed within 16 weeks from placement date of LOA/PO/ first intimation from IGL.</p> <p>Delivery of 3rd lot shall be completed within 20 weeks from placement date of LOA/PO/ first intimation from IGL.</p> <p>Delivery of 4th lot shall be completed within 26-30 weeks from placement date of LOA/PO/ first intimation from IGL.</p>	<p>Please note that it takes at least 2-2.5 months to procure the raw material. Thereafter we have to manufacture the pipes, apply coating and transport the pipes to designated locations. Completing this process in only 12 weeks is very difficult.</p> <p>Considering above, we would request you to change the delivery schedule as follows;</p> <p>Delivery of 1st lot (16" for 25km.) shall be completed within 18 weeks from placement date of LOA/PO/ first intimation from IGL.</p> <p>Delivery of 2nd lot (16" for 25km.) shall be completed within 22 weeks from placement date of LOA/PO/ first intimation from IGL.</p> <p>Delivery of 3rd lot shall be completed within 24 weeks from placement date of LOA/PO/ first intimation from IGL.</p> <p>Delivery of 4th lot shall be completed within 26-30 weeks from placement date of LOA/PO/ first intimation from IGL.</p>	Tender condition shall prevail
99	4.1 of IFB	9 of 106	<p>Delivery of CS Line Pipe shall be completed in 4 lots and the details are as follows;</p> <p>Delivery of 1st lot (16" for 25km.) shall be completed within 12 weeks from placement date of LOA/PO/ first intimation from IGL.</p> <p>Delivery of 2nd lot (16" for 25km.) shall be completed within 16 weeks from placement date of LOA/PO/ first intimation from IGL.</p> <p>Delivery of 3rd lot shall be completed within 20 weeks from placement date of LOA/PO/ first intimation from IGL.</p> <p>Delivery of 4th lot shall be completed within 26-30 weeks from placement date of LOA/PO/ first intimation from IGL.</p>	<p>1. As per the delivery schedule mentioned in the tender doc., Lot 3 &amp; Lot 4 quantity quantity is not mentioned. Kindly clarify lot wise quantity.</p> <p>2. 1ST lot delivery schedule to be revised from 12 weeks to 16 weeks considering minimum lead time for RM arrangement and other related activities.</p>	<p>1. Lot-wise quantity distribution will be given during award of LOA/PO, However the state wise quantities are already mentioned in Cl. No. 4.2 of IFB. The final destination for deliveries shall be shared during issuance of dispatch clearance as per tender.</p> <p>2. Tender condition shall prevail</p>



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Consultant: VCS Quality Services Pvt. Ltd.

Pre-bid meeting held on 30.05.2023

Date: 23.06.2023

Sl. No.	Cl No.	Page No.	Description	Bidder's Query/Clarification	IGL/VCS Reply
100	4.1 of IFB	9 of 106	<p>Delivery : Delivery of CS Line Pipe shall be completed in 4 lots and the details are as follows;</p> <p>Delivery of 1st lot (16" for 25km.) shall be completed within 12 weeks from placement date of LOA/PO/ first intimation from IGL.</p> <p>Delivery of 2nd lot (16" for 25km.) shall be completed within 16 weeks from placement date of LOA/PO/ first intimation from IGL.</p> <p>Delivery of 3rd lot shall be completed within 20 weeks from placement date of LOA/PO/ first intimation from IGL.</p> <p>Delivery of 4th lot shall be completed within 26-30 weeks from placement date of LOA/PO/ first intimation from IGL.</p>	<p>1. Since the subject procurement is in 4 lots in view of this we request you to please share the lot wise quantity distribution for 3rd Lot &amp; 4th Lot for 16" OD Size at the time of Bidding stage before submission of bid.</p> <p>2. Please also share the lot wise quantity distribution for 8.625" OD &amp; 12.75" OD as same was not defined in the bidding documents.</p>	<p>Lot-wise quantity distribution will be given during award of LOA/PO, However the state wise quantities are already mentioned in Cl. No. 4.2 of IFB. The final destination for deliveries shall be shared during issuance of dispatch clearance as per tender.</p>
101	3.2 of IFB	8 of 106	<p>The above quantities are indicative and for evaluation purpose only. Purchaser reserves the right to increase or decrease at the time of award.</p>	<p>A) We request to give clarity on Quantity Variation percent. Please note that item wise quantity of Item A &amp; B are too small to accommodate high quantity variation. So, negative quantity variation is likely to have cost impact on account raw material (steel) sourcing constraints. Hence we request you to clarify quantity variation at bid stage only so that any cost impact can be considered at bid stage.</p> <p>B) We request for no negative variation for items with quantity less than 750 MT. Please note that such items will attract Minimum Order Quantity from steel suppliers. Hence any negative quantity variation will have huge cost impact.</p>	<p>Tender condition shall prevail</p>