INDRAPRASTHA GAS LIMITED

IGL Bhawan, 4, Community Center,
Sector-9, R.K. Puram, New Delhi - 110022

TENDER NO. IGL/ET2/CP/CP18735
Supply of HDPE Casing Pipes

Replies to Bidders' Queries - 1

Sr. No.	Reference of Bidding Document				Bidder's Query	IGL Reply to Bidder's Query
	Sec No.	Page No.	Clause No.	Description		
1	Commercial Volume		7.1	Technical BEC of the Commercial Volume.	Refer to Tender Document No. IGL/ET2/CP/CP18735 issued by Indraprastha Gas Limited, and specifically to Clause 7.1 (Technical BEC) of the Commercial Volume. In this regard, we respectfully submit that we are an established manufacturer of HDPE pipes, holding valid BIS certification as per IS 4984, and are currently engaged in manufacturing and supply of HDPE pipes of grades PE63/PE80/PE100 across multiple pressure ratings including PN6 and above. Further, we are also supplying HDPE pipes of similar specifications (material grade, pressure class, and diameters) to various PSU / Government organizations, where we comply with stringent technical requirements including BIS standards, hydrostatic testing, raw material traceability, and third-party inspection protocols. However, due to the condition of "single order supply directly to a City Gas Distribution / hydrocarbon entity," we are presently unable to qualify under the BEC, despite possessing equivalent technical capability and proven execution record.	Refer Corrigendum # 3
2	Commercial Volume		7.1	Technical BEC of the Commercial Volume.	Kindly allow prior experience of supplies made to any Central/State Government undertaking/ PSUs along with supplies made to any City Gas Distribution / hydrocarbon entity in technical BEC clause no. 7.1.	Refer Corrigendum # 3
3					While we acknowledge the tender provision, we respectfully request your kind office to consider our extensive experience in pipe manufacturing since 1992, coupled with our MSME status, as a basis for granting relaxation under the Dia wise, grade wise prior experience criteria. We remain committed to delivering high-quality products and services and to contributing meaningfully to the success of this prestigious project. In light of the above, we earnestly request your support in evaluating our bid favourably under the MSME and technical experience provisions, and to consider extending such relaxations to eligible MSMEs/startups from other states to promote broader and healthier competition.	Refer Corrigendum # 3
4	PTS-HDPE Pipe	12	4.1 Length of the HDPE Pipes	As per the mentioned clause, the length of coil in 50 mm diameter is 100 mtrs.	As per Page no. 55 Clause 8.7 of Commercial Volume, coil no 50 mm diameter is mentioned in 200 mtrs.	Bidder to refer clause no. 4.1 of Doc. No.- PTS/IGL/ET2/CP/CP18735 in Technical Volume.
5	PTS-HDPE Pipe	13	4.3 Protection	The ends shall be protected by proper end caps to prevent from shocks and ingress of the foreign body.	The above point is required only for coils or straight length of 6 mtr. as well.	The clause is applicable for all type of HDPE Pipes. Tender condition prevails.
6	PTS-HDPE Pipe	15	8.0 Packing and Delivery	The minimum inner bending diameter of technical coiled duct shall be 25 times the outer diameter of the cut.	As per clause no. 7.3 of IS 4984:2016 when read with amendment no. 2, April 2022(fifth revision): The minimum internal diameter of the coil shall not be less than 18 times of the outer diameter.	Tender Condition Prevails

INDRAPRASTHA GAS LIMITED

IGL Bhawan, 4, Community Center,
Sector-9, R.K. Puram, New Delhi - 110022

TENDER NO. IGL/ET2/CP/CP18735
Supply of HDPE Casing Pipes

Replies to Bidders' Queries - 1

<table>
<tr><th rowspan="2">Sr. No.</th><th colspan="4">Reference of Bidding Document</th><th rowspan="2">Bidder's Query</th><th rowspan="2">IGL Reply to Bidder's Query</th></tr>
<tr><th>Sec No.</th><th>Page No.</th><th>Clause No.</th><th>Description</th></tr>
<tr><td>7</td><td>PTS-HDPE Pipe</td><td>18</td><td>Technical Data Sheet for HDPE Pipe</td><td>Technical Data Sheet for HDPE Pipe</td><td>As per IS 4984:2016 when read with amendment no. 2, April 2022(fifth revision):
some changes are there with respect to OD tolerance, ovality and reversion.
We are attaching a sheet below as Annexure-I.
<table>
<tr><td rowspan="8">Dimensions & Tolerances:</td><td>Outer Diameter (mm)</td><td>50</td><td>63</td><td>125</td><td>200</td><td>250</td><td>315</td><td>400</td></tr>
<tr><td>Tolerance (mm)</td><td>+0.4</td><td>+0.4</td><td>+0.8</td><td>+1.2</td><td>+1.5</td><td>+1.9</td><td>+2.4</td></tr>
<tr><td>Ovality (mm)</td><td>1.4</td><td>1.5</td><td>2.5</td><td>4</td><td>5</td><td>11.1</td><td>14</td></tr>
<tr><td>Material Grade</td><td>PE 63</td><td>PE 80</td><td>PE 80</td><td>PE 80</td><td>PE 80</td><td>PE 80</td><td>PE 80</td></tr>
<tr><td>Pressure Rating</td><td>PN6</td><td>PN6</td><td>PN6</td><td>PN6</td><td>PN6</td><td>PN6</td><td>PN6</td></tr>
<tr><td>Thickness (Min.-Max.)</td><td>3.7-4.2</td><td>3.8-4.3</td><td>7.4-8.3</td><td>11.8-13.1</td><td>14.8-16.4</td><td>18.6-20.6</td><td>23.6-26.1</td></tr>
<tr><td>Length of Straight Pipe (m)</td><td>each coil of 100m</td><td>each coil of 100m</td><td>6</td><td>6</td><td>6</td><td>6</td><td>6</td></tr>
<tr><td rowspan="6">HDPE Raw Material</td><td>Max. Permissible working Pressure at 30°C</td><td colspan="7">0.60 Mpa</td></tr>
<tr><td>Max. Allowable Hydrostatic Design Stress at 20° C</td><td colspan="7">6.3 Mpa</td></tr>
<tr><td>Max. Allowable Hydrostatic Design Stress at 30° C</td><td colspan="7">5.0 Mpa</td></tr>
<tr><td>Minimum Required Strength (MRS) of Material at 20°C</td><td colspan="7">8.0 Mpa</td></tr>
<tr><td>Density at 27°C</td><td colspan="7">940.0 kg/m³ and 958.4 kg/m³ (both inclusive)</td></tr>
<tr><td>Melt Flow Rating (MFR)</td><td colspan="7">Between 0.20 g / 10 min and 1.10 g / 10 min (both inclusive) when tested at 190°c with nominal load 5 kgf.</td></tr>
<tr><td rowspan="2"></td><td>Carbon black content</td><td colspan="7">2.5 ± .5%</td></tr>
<tr><td>Anti-oxidant</td><td colspan="7">Less than 0.3%</td></tr>
<tr><td>Visual Appearance</td><td>Surface Finish</td><td colspan="7">Smooth, Clean and free from grooving and other defects</td></tr>
<tr><td rowspan="2">Performance Requirements</td><td>Reversion Test</td><td colspan="7">Less than 3%</td></tr>
<tr><td>Hydrostatic Pressure Resistance Test</td><td colspan="7">Acceptance Test: Duration: 48 hrs at 80° Induced Stress: 4.9 Mpa Type Test: Duration: 165 hrs at 80° Induced Stress: 4.6Mpa</td></tr>
</table></td><td>Bidder to follow datasheet for dimensions & toleranecs. For reversion, bidder to refer clause no. 4.2 of Doc. No.- QAP/IGL/ET2/CP/CP18735.

Tender Condition Prevails</td></tr>
<tr><td>8</td><td>IFB</td><td>9</td><td>7.0 Bidder Evaluation Criteria (BEC)</td><td>7.1 Technical BEC:
The bidder must be a manufacturer of HDPE Pipes of Material Grade PE63/PE80 & Pressure Rating PN6, and must have supplied at least following quantities (as per below mentioned table) in a single order directly to any City Gas Distribution / hydrocarbon entity during last seven (7) years reckoned from the date of floating of tender:</td><td>Can a bidder be considered qualified on the basis of supply of HDPE Pipe as per IS 4984:2016 in the water supply projects of Uttar Pradesh Jal Nigam/State Water and Sanitation Mission.</td><td>Refer Corrigendum # 3</td></tr>
</table>

INDRAPRASTHA GAS LIMITED

IGL Bhawan, 4, Community Center,
Sector-9, R.K. Puram, New Delhi - 110022

TENDER NO. IGL/ET2/CP/CP18735
Supply of HDPE Casing Pipes

Replies to Bidders' Queries - 1

Sr. No.	Reference of Bidding Document				Bidder's Query	IGL Reply to Bidder's Query
	Sec No.	Page No.	Clause No.	Description		
9	-	-	-	-	With reference to the provenness criteria mentioned in the tender for supply of HDPE Pipes, it is understood that the bidder should have supplied “PE80, PN6 or higher” pipes. In this regard, we seek your kind clarification whether the term “higher” may kindly be interpreted to include higher grade material such as PE100, which is technically superior to PE80 in terms of strength, pressure carrying capability, durability, and overall performance it may kindly be noted that PE100 grade HDPE pipes possess higher Minimum Required Strength (MRS) as compared to PE80 pipes, thereby enabling the pipe to sustain the same operating pressure with optimized wall thickness and enhanced long-term reliability. Further, installation of PE100 PN6 pipes offers reduced wall thickness for the same pressure rating, resulting in lower material consumption. It is also pertinent to mention that for the same diameter and pressure class, PE100 pipes generally provide approximately 10% to 20% savings in raw material consumption compared to PE80 pipes. This ultimately results in substantial cost optimization for the project while maintaining superior technical performance and safety standards. In view of the above, we kindly request you to consider our supply experience of PE100 PN6 and above pipes as eligible and compliant against the provenness requirement specified for PE80 PN6 or higher pipes.	The term "above" in the BIDDER EVALUATION CRITERIA (BEC) refers to the Pressure Rating PN6 or above. The material grade shall be as per the Technical Volume. Tender Condition Prevails.