



KENYA ELECTRICITY GENERATING COMPANY PLC

KGN-SONDU-001-2025

RFX: 5000016597

**TENDER FOR SUPPLY AND DELIVERY OF COOLING WATER SYSTEM GI PIPES FOR SANG'ORO POWER STATION
(CITIZEN CONTRACTORS)**

Date: 20th March, 2025

Clarification No.1

In accordance with the **TENDER FOR SUPPLY AND DELIVERY OF COOLING WATER SYSTEM GI PIPES FOR SANG'ORO POWER STATION**, KenGen hereby issues **Clarification No.1**

BIDDER'S CLARIFICATION	KENGEN RESPONSE
1. For the pipe 2 inch size, the wall thickness cannot match, SCH 40S is 3.91mm, but you also marked 5.537mm (SCH XS or SCH 80), which one I should quote you?.	<ul style="list-style-type: none">The wall thickness in inches is 0.154 inches as recorded, converted to mm=3.91mm

Nominal Pipe Size	Schedule	OD (inches)	ID (inches)	OD (mm)	ID (mm)	Pipe wall thickness (inches)	Pipe wall thickness (mm)	Steel Pipe Weight (lb/ft.)	Steel Pipe Weight (kg/m)	Burst Pressure (psi)
1-1/2"	40S	1.9	1.61	48.26	40.984	0.145	3.683	2.72	4.05	10684
2-1/2"	40S	2.875	2.468	73.00	62.680	0.203	5.160	3.65	8.63	9885
2"	40S	2.375	2.067	60.325	49.251	0.154	5.537	5.80	5.4377	9078
6"	40S	6.625	6.065	168.275	154.051	0.280	7.112	18.98	28.26	5917

2. No.18 flange, please check this size if it is wrong? I think this might be 1/2 inch, based on No.10 to No.17.

Because in No.14, it has 1 1/2 inch flange.

18	<p>High Pressure Carbon pipe fittings (Unit 1 and Unit 2):</p> <p>Flanges CLASS 150 :</p> <p>➤ Material: Carbon Steel ASTM A105 ASME B16.5</p> <p>Size : 1-1/2"</p>	PCS	34
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- It is 1/2" inch

3. No.7 / No. 9 / No.11. / No.13 / No.15 / No.17 / No.19 all these stud bolts, please provide the material, size, bolt length..

- The lengths of the bolts is recorded and described on the table on the description of the bolts. The material for the

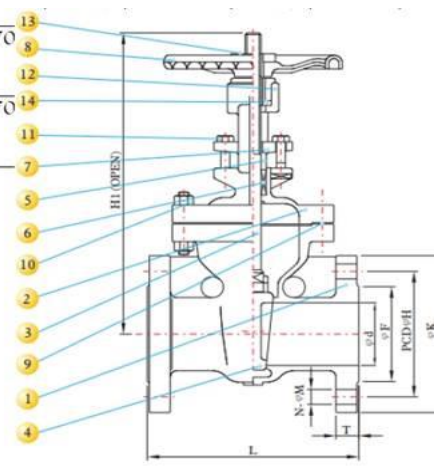
bolts and nuts is ASTM A193 Gr.B8/B7.

4. . No. 22, No.24, No.25, these control valve are gate valve or not? In your specification PDF marked gate valve picture but with control valve name, so I'm confused. The control valve is flow rate modulating valve, the gate valve only use for open or close, did not have modulating function, so please confirm which one I should quote. If the control valve is used for flow modulating, need to provide operation type (pneumatic or electric) and related information like protection class, etc.

(6")	290	265	32	25	10	3	70
DN 200 (8")	400	374	45	29	14	3	70

C. Control valves

NO.	Part Name	Material	QTY
1	BODY	ASTM A351 Gr CFSM	1
2	BONNET	ASTM A351 Gr CFSM	1
3	STEM	ASTM A276 Gr316	1
4	DISC	ASTM A351 Gr CFSM	1
5	GLAND	ASTM A351 Gr CFSM	1
6	GLAND PACKING	PTFE	1
7	GLAND FLANGE	ASTM A351	1



- The control valves is as per the technical specification. It is a hand-wheel control valve.

5. No.26 non return valve, please provide the type (swing, wafer or lug or other?), material, nominal pressure.?

- It is swing type NRV . PN 10

6. No.27 to No.31, which type I should quote 45 degree or 90 degree? Is it long radius

- Kindly refer to Section D of the technical specifications for the radius and it is 90 degrees.

7. No.40 to No.42, what is the material and finishing type for these item

- It is galvanized structural steel ASTM A36

<p>8. the tender identification request for G.I pipes but the price schedule contain different items whereby pricing is for Seamless High-Pressure Carbon Steel Pipes. G.I and Carbon steel pipes are made of different material. Kindly clarify your supply request</p>	<ul style="list-style-type: none"> The purpose of the tender is replacing existing GI water pipes at Sangoro with High Pressure Carbon pipes, the description (high pressure carbon pipes) in the price schedule is okay. 										
<p>9. Is the 300 feet means the total lengths of the item 1 pipes</p>	<ul style="list-style-type: none"> 300ft is the total length of item No. 1 as per the description 										
<p>10. Is the PC/20FT means one piece pipe length is 20ft</p>	<ul style="list-style-type: none"> Yes, one pc straight length is 20ft. 										
<p>11. And what the unit of the quantity No. 1 (pcs) 18 or 15?, No. 2 (psc) 10 or 8?, No. 3 (pcs) 14 or 14 or 12 & No. 4 (pcs) 10 or 7</p>	<ul style="list-style-type: none"> The quantity is as per the description in the document <table border="1" data-bbox="1614 573 1959 748"> <thead> <tr> <th>Item No.</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>18</td> </tr> <tr> <td>2</td> <td>10</td> </tr> <tr> <td>3</td> <td>14</td> </tr> <tr> <td>4</td> <td>10</td> </tr> </tbody> </table>	Item No.	Quantity	1	18	2	10	3	14	4	10
Item No.	Quantity										
1	18										
2	10										
3	14										
4	10										

BIDDER'S ACKNOWLEDGEMENT OF CLARIFICATION NO.1

We, the undersigned hereby certify that the **Clarification** is an integral part of the document and the alterations set out in Addendum have been incorporated in our tender document.

Signed

Tenderer

Date