



KENYA ELECTRICITY GENERATING COMPANY PLC

RFx: 5000014833

KGN-OLK-019-2024

TENDER FOR SUPPLY OF VENT STATION VALVES FOR OLKARIA II POWER STATION.

(Women Enterprises)

Dated: **28th March, 2024**

Clarification No.3.

In accordance with the **Tender for Supply of Vent Station Valves for Olkaria II Power Station**, KenGen issues **Clarification No.3** as follows:

	BIDDERS CLARIFICATION	KenGen's RESPONSE
1.	We are writing to seek for some clarification as follows: Complete technical datasheets for the valves and actuators (see attached to be filled) Complete process data (see attached to be filled) This is to enable us to accurately identify the right valves and actuators	Please see the additional list provided below. Kindly note This list complements the technical specifications in the tender document and doesn't in any way replace the original specifications

SUPPLIER ACKNOWLEDGEMENT OF CLARIFICATION NO.3

We, the undersigned hereby certify that the Clarification No.3 is an integral part of the document and the alterations set out in Clarification has been incorporated in the Tender Proposal.

Signed.....

Tenderer.....

Date.....

Control Valve Specification Sheet

Customer KenGen
 End User KenGen
 End Destination Oikaria II
 * Delete as appropriate

Application
 Tag No

STEAM IN-LINE PRESSURE CONTROL VALVES	Allowable sound pressure level		95dB(A) Max		
	Pipe Size	As per tender document	S		
	Pipe Material				
	Pipe Insulation	100mm Thermal			
	Process fluid	Separated Geothermal Steam			
	Phase	Gas / Liquid / Vapour *			
		Min Flow	Norm Flow	Max Flow	Units
	Flow Rate	36	73	146	kg/s
	Inlet Pressure P1	5.5	4.29	4.62	bara
	Outlet Pressure P2	0.8	5	5	bara
	Inlet Density or M	18	18	18	
	Vapour Pressure Pv	-	-	-	Bara / Psia*
	Critical Pressure Pc	22.09			Mpa
	Viscosity	1.3			
	Ratio of specific heats	1.3			
	Compressibility factor Z				
	Shutoff pressure P1	14.3 bara			
	Air Supply	5.5 barg Min - 6.9 barg Max			
	Fail Action	Input signal failure - Valve closes (Positioner)			
	Valve Assembly	Body Type	HP Eccentric Disc		
End Connections		Flangeless/Wafer with ANSI B16.5RF Face Finish			
Body / Bonnet material		As per Tender Document			
Characteristic		As per Tender Document			
Guide / seat material		As per Tender Document			
Seat style		316 NOVEX			
Special Trim Requirements		As per Tender Document			
Leakage specification		ANSI CLASS IV			
Packing material		As per Tender Document			
Positioner	Style	Pneumatic			
	Input Signal	4-20mA is 0% to 100% Open			
	Input Signal Failure	Valve closes			
Special Requirements	Test certificate(s)	Yes			
	Other tests	Hydro pressure - 20.25 barg			
	GA Drawing				
	Accessories				
	Other notes				