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: 25th March, 2024

Clarification No.2.

In accordance with the **Tender for Supply of Vent Station Valves for Olkaria II Power Station**, KenGen issues **Clarification No.2** 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 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.2

We, the undersigned hereby certify that the Clarification No.2 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 **Application**
End User KenGen **Tag No**
End Destination Olkaria II
* Delete as appropriate

	STEAM VENTING PRESSURE CONTROL VALVES					
Process Data	Fluid	Separated Geothermal Steam				
	Allowable sound pressure level	95dB(A) Max				
	Pipe Size	As per tender document	SCH:			
	Pipe Material					
	Pipe Insulation					
	Process fluid	Separated Geothermal Steam				
	Phase	Gas / Liquid / Vapour *				
	`	Min	Norm	Max	Units	
	Flow Rate	0.7	53.3	80	kg/s	
	Inlet Pressure P1	5.5	5.32	7.87	bara	
	Outlet Pressure P2	0.8	3.77	5.37	bara	
	Temperature T1	SAT	161	177.7	Deg C	
	Inlet Density or M	SAT	2.76	4.2	kg/m3	
	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				
	Air Supply	5.5 barg Min - 6.9 barg Max				
	Fail Action	Air failure Valve - Fixed				
Valve Assembly	Body Type	As per tender document				
	End Connections	As per tender document				
	Body / Bonnet material	As per tender document				
	Characteristic	As per tender document				
	Guide / seat material	As per tender document				
	Seat style	Alloy 6 HD				
	Special Trim Requirements	As per tender document				
	Leakage specification	ANSI CLASS IV				
	Packing material	PTFE				
Positioner	Style					
	Input Signal	Double Acting Electro Pneumatic				
	Cam Characteristic	Linear				
	Integral Switches / Feedback	Yes				
Special Requirements	Test certificate(s)	Yes				
	Other tests	Hydro pressure - 20.25 barg				
	GA Drawing					
	Accessories					
	Other notes					