

Pre-Bid Meeting Clarification given in Meeting on date 02.09.2020 against Tender for Design, Engineering, Manufacture, Supply, labor job for Installation, Testing and Commissioning of Steam Generating Plant (Boiler) of 1 TPH for 600 TPD Cattle Feed Plant at Palanpur, Gujarat

Sr. No.	Page No.	Point No.	As per Tender	Comments from Supplier	Reply By Banas Dairy
1	Page 32			Statutory Requirement - Pollution Control Equipment (Not required)	Not required
2	Page 33			Boiler Capacity will be 1120 Kg/hr (F& A 100C) at 30 C Feed Water it can generate 954 Kg/hr at 9 bar Operating Pressure	Allowed
3	Page 34			Burner Turndown ratio - To be checked & Confirm	1:5 for Gas, 1:3 for FO or as per mentioned Burner
4	Page 34			Other Accessories - Water Flow Meter, NG Flow Meter Type?, FO Flow Meter Type? Automatic Blowdown Control System - ??	NG Flow meter Vortex type, FO Flow meter Positive displacement metering type/Mass Flow Meter, TDS Based automatic blowdown system
5	Page 35			Only IBR Approval up to Provisional Firing Order (PFO) in our Scope, GPCB & Other Statutory clearance will be in Banas Scope	All IBR approvals like provisional firing order, steam test & number engraving are in supplier scope, GPCB & other statutory clearance in Banas Scope
6	Page 38			Single Element Control System - Not Required	Mobrey Level Controller required as capacity of boiler is 1 tonne
7	Page 56			Point 16 - DOT (Day oil tank) - Support Structure is not required	Support structure in Banas Dairy Scope
8	Page 61			Gas Train Make ?? Only one make is approved. We shall provide Madaz	As per tender/Madaz/ Vanaz
9	Page 65			HP & LP Steam Pipe Line - HP steam Line Length ?? + LP Steam Line Not Required Moisture Separator, Strainer, Line Trap, Expansion Loop - All These to be considered??	LP Steam line not required. HP Line length 20 Mtr.(upto Header) Tapping should be done in existing Header.
10	Page 66			Point 13. Water Flow Meter - Vortex Type (Where to installed)	No need, already existed in RO outlet
11	Page 67			Equipment Performance Measurement Criteria to be confirmed by Banas	As per tender

12	31		Boiler control panel	The PLC panel is for efficiency monitoring system or for boiler control panel.	PLC based efficiency monitoring and relay based control panel
13	31		statutory approvals	Statutory approval (boiler registration) scope up to provisional order or steam test and number engraving.	Steam Test in supplier scope but not linked with project completion as provisional firing order will be considered for project completion.
14	34		insulation & cladding	Insulation of boiler will have cladding of Al/GI or CRCA sheet. We provide AL/GI cladding	Al/GI or CRCA Sheet
15	36		The FD fan have suffecient head	Confirm the pressure drop across the economiser to be provided in future to select suitable burner. Or mention back pressure of burner	don't consider economizer
16	42		structural steel	scope for the structural steel pipe, bridge, platform, trench cover, staircase/ladder , railing to be clarified.	Required for Boiler mounting only
17	43		ring man pump	Ring man pump only one or 2 nos.(1w + 1s)	As per tender
18	46		earthing pit	Earthing pit scope to be clarified.	Earthing in supplier scope, Earthing pitt in Banas Dairy Sope
19	46		6.6 KW	Electrical oil preheater will be 6 KW.	as per supplier standard
20	52		SPM/SOX/NOX	Pollution control equipment scope & requirement to be clarified. Normally oil fired boilers does not require the same	Not Required
21	66		oil cleaning system 1 set	Oil cleaning system details and specification	Duplex strainer/filter etc.in ring main line.
22	69		fire detection	Scope for fire detection and alarm system for control room and supply of fire extinguisher	Not required, Fire Extinguisher already existed
23	34		boiler house piping	Existing water tank & chimney will be used.	Yes, already existed
24				a) Dual Burner : Unigas burner	Unigas/Riello/as per tender
25				b) RTD : PBS	as per tender
26				c) PID controller : Radix	as per tender
27				d) Oil flow meter : Fluidyne/Iota	as per tender
28				e) Cables : Polycab/Finolex.	as per tender
29				f) Piston valves : Uniklinger	as per tender
30				g) Non return valve : Sant	as per tender
31				h) Safety Valve : Fainger laser	as per tender
32				i) Gate /Globe valve : L & T	as per tender
33				j) Efficiency monitoring system	Energypack/As per Tender
34	1			PLEASE NOTE THAT WE ARE SSI / MSME UNIT. PLEASE FIND ATTACHEDHERE WITH OUR MSME REGISTRATION. KINDLY CONFIRM THAT EMD IS NOT APPLICABLE	As per tender

35		7		STORAGE: ONCE THE EQUIPMENT INVOICED TO YOU, ITS YOUR PROPERTY ANDHENCE YOU HAVE TO STORE PROPERLY AT YOUR END, PLEASE CONFIRM.	Supplier custody, Banas will provide location at project site within CFP campus.
36		17		PAYMENT FOR INSTALLATION, TESTING AND COMMISSIONING : THE TENDER SPECIFIES ERECTION / COMMISSIONING SHOULD, HOWEVER, BE COMPLETED WITH IN 20 DAYS OF THE RECEIPT OF RESPECTIVE MATERIAL AT SITE IN ANY CASE. PLEASE NOTE THAT FOR SOME CASES, IT IS NOT POSSIBLE TO ERECT /COMMISSION THE STEAM BOILER WITH PIPING IN 20 DAYS. IBR STEAM BOILER REQUIRES IBR PIPING WHICH REQUIRE FREQUENT IBR INSPECTIONS. WITHOUTPIPING, THE STEAM BOILER CAN NOT BE COMMISSIONED. HENCE, PLEASE CLARIFY THAT EXTENSION CAN BE ALLOWED FOR ERECTION AND COMMISSIONING UP TO 45 TO 60 DAYS.	as per tender
37				BOILER FEED PUMP : PLEASE SPECIFY IF LUBI / CRI WILL BE ACCEPTABLE.	Grundfoss/Wilo
38				GAS FILTER : PLEASE SPECIFY IF DUNGS / KROMSCHRODER WILL BEACCEPTABLE.	As per tender/KROMSCHRODER allowed
39				GAS REGULATOR / SLAM SHUTOFF VALVE : PLEASE SPECIFY IF MESURA WILL BEACCEPTABLE	as per tender/Mesura Allowed
40				GAS SOLENOID VALVE : PLEASE SPECIFY IF DUNGS WILL BE ACCEPTABLE.	as per tender/Dungs allowed
41				GAS PRESSURE SWITCH : PLEASE SPECIFY IF DUNGS WILL BE ACCEPTABLE.	as per tender/Dungs allowed
42			BATTERY LIMITS	FLUE GAS : PLEASE KNOW THAT THERE WILL NOT BE ANY POLLUTION CONTROLE QUIPMENT	Not required
43	69			SPECIFIES ARRANGEMENT OF LIGHTING. PLEASE CLARIFY THAT THISIS ONLY DURING ERECTION AND COMMISSIONING	During erection and commissioning only
44	11			<i>Please note that we have required 7 month for completion of project due to covid 19 pandamic.</i>	6 Month from the date of P.O/L.O.I
45				Mobrey	As per Tender/Make-Malhotra/Saigal & Saigal/Pune techroll
46				Safety Valve	As per tender/Uni-klinger/Faingerlaser
47				Piston Valve	As per tender/Uni-klinger
48				Cable	As per tender/KEI
49				PLC based HMI Panel, Screen Size	Screen Size should be 10-12" inch