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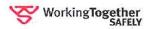
Baffinland Iron Mines Corporation MARY RIVER PROJECT

TECHNICAL BID EVALUATION AND RECOMMENDATION

DOCUMEN	NT NUMBER	REV.
H337697-AAnı	nn-DD-104-000X	A
PREPARED BY	DISCIPLINE	DATE
	Process	2011-08-27

PACKAGE NUMBER H337697-PM403 PROCUREMENT AGENT Waste Water Treatment **BIDDER'S NAME** PROPOSAL DATE 2011-08-26 YYYY-MM-DD YYYY-MM-DD YYYY-MM-DD CLARIFICATION MEETING ITEM ITEM ITEM ITEM ITEM (SPEC) DESCRIPTION **SPECIFIED** (BID) **PROPOSED** (BID) (BID) **PROPOSED** (BID) **PROPOSED PROPOSED** Table 1-1 Supply Waste water Treatment Plants 2 WWTP new, complete, fully operational equipment, with all Required No redundancy included as requested in spec. necessary auxiliary equipment and acessoreis, except if iexcluded from scope of work Table 1-1Supply Wastewater Treatment Plant 2 WWTP Table 2-1 Settling Basin/Sump Required Concrete system - cost of heating or insulating INA specifically excluded - don't know if they are doing the design of the sump or not as requested. Table 2-1 Oil/Water Sepatator Required Included Table 2-1 pH Neutralization System Required Included Table 2-1 Fine Filtration System Optional Included V Table 2-1 Secondary Organic Removal System Optional Included Table 2-1 Air-Compressor Optional Table 2-1 Containers Optional Included 2.3 System Mounting Skid ISO containers (4 per system) Supervision by Supplier Representative Installation, Erection, Commissioning, Not included FAT Included Access platforms and ladders As required Interconnectinf Piping and Supports Required Pipe from sump and heat tracing and insulation of that pipe are excluded. Piping spool to contain equipment at sump tank is included. Instrumentation Smartbus/4-20mA Hart Don't see any mention of Smartbus or Hart Special tools No mention - may not be needed INA Electrical system factory tested. Control system Factory Acceprance Test Required factory tested. Lubrication protection for shipment Required INA Not provided. Will be with firm price bid. Spares List Required N Crating for Shipment Required No mention, but these are mostly ISO containers INA with some periferals. Data requirement Drawing, Manuals 2 copies of standard vendor manuals Qualified trainer Not included Training Electical termainal boxes 25% spare terminal blocks, boxes have 20% system Power/instrumentation/ control spare space, NEMA 4, 25% spare I/O, 25% spare slots Wiring/cableing/cable trays/ conduits Power/controls Max fill on wire ways is 70%, bottom entry for cables Electrical equipment should be designed to be suited for Class 1, Div. 2 Oil separation room and oil storage room is nstallation in hazardous area Class1 Div 2. How is this section separated from rest of container? Equipment for sump area is also class 1 div. 2.

AB PLC and HMI make not specified PLC and HMI Control Devices Motor Starters with start electronic overload protection Required No mention INA Reagents and chemicals Start-up and one year Not noted as included INA Laboratory equipment with one year of reagents Required Not provided. Will be with firm price bid. N Not specified Paint Prime/Finsh/touch-up INA Table 2-4: Battery Limits as per spec 3.3 Site Conditions as per spec Not sent to them, but system looks to be N/A designed correctly 3.4 INA Design Life 25 years Nothing noted 4.1 Raw Wastewater Characteristics as per spec 4.2 Average Waste water Flowrate (Mary River) 6.5 m^/h 8.25 m^3/hr average fow for both systems (both are identical) 17 m^/h They did not give the size of the EQ tank which Peak Waste water Flowrate (Mary River) would determine the ability to handle peaks. Minimum Settling Tank Retention Time (Mary River) 12 h Not given Average Waste Water Flowrate (Steensby) 8.25 m[^]/h 8.25 m^3/hr average fow for both systems (both are identical) Peak Waste Water Flowrate (Steensby) 20.5 m^/h They did not give the size of the EQ tank which would determine the ability to handle peaks. Flowrate through the carbon filter is not to exceed 0.61 m3/hr/m2 "The carbon filtration vessels have been sized based on using the largest volume vessels ractical to fit inside the enclosure and not using the 0.61 m3/hr/m2." Minimum Settling Tank Retention Time (Steensby) Not given 5.1 Flows as Per Spec No process warranty included Juarantee Water Quality spec No process warranty included 5.2 18 months from delivey or 12 months 12 months from delivery Warranty from commissioning





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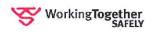
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												Proc	cess	2011	1-08-27
PACKAGE NUMBER	H337697-PM403				Waste \	Water Treatr	nent			PROCUREMENT AGENT					
		BIDDER'S NAME		Filter Innovations	200	1	BIDDER B			BIDDER C	V-07			BIDDER D	200
		PROPOSAL DATE		2011-08-26	ANCE.		YYYY-MM-DD	ANCE		YYYY-MM-DD	- SW			YYYY-MM-DD	
ITEM		CLARIFICATION MEETING	ITEM		ORMA	ITEM		ORW.	ITEM	1	ORW.	ITEM			ORM,
(SPEC)	DESCRIPTION	SPECIFIED	(BID)	PROPOSED	ONE	(BID)	PROPOSED	- NO.	(BID)	PROPOSED	N. N.	(BID)		PROPOSED	ONE
H337697-PM403-462500	TECHNICAL REQUIREMENTS		N						(/		0	(=.=)		TROTOSED	0
1	Modular System	As per spec		Yes	V										
1.6	Oil Water Separator	As per spec		Material of construction of baffles specified as SS		1			-		+		4		
	*	8 2		in spec. Material in proposal for unit specified as CS. Should be ok.											**
1.7	Air Compressor System	As per spec		"The compressed air dryer will have a dewpoint of -40, not -65 as specified." Should be ok - located inside.	N		E		9				*	F	
1.8	Tanks	As per spec		Basic information available.	INA										
1.9	Containers	As per spec		Basic information available.	INA										
2	Pumps, Valves and Piping Requirements	As per spec		Basic information available.	INA										
3	Mechanical Requirements	As per spec	ļ		INA										
4	Electrical Requirements	As per spec	ļ		INA		4		<u> </u>						
5	Instrumentation and Controls Requirements	As per spec		They are using an ultrasonic LT in the sump. Is this the best choice for a tank that may see foam? Pressure based? Basic information on instrumentation provided.	INA										
6	Structural Requirements	As per spec			INA										
7	Painting Requirements	As per spec			INA										
8	Regulations, Standard and Codes	As per spec	11	Not cited in proposal.	N										
9	Health, Safety, Environment and Community Requirements	As per spec		Excluded safety showers. Other information not available. Included a safety policy document.	INA										
10	Assembly and Testing	As per spec		Included. Specifics not detailed.	√						1				
11	Shipping, Construction, Commissioning and Operator Training	As per spec		Shipping not included. No training. No	N										
12	Spare Parts	As per spec	F	commissioning. Spare parts list not provided. Said will be	N					-	+				
12	Spacials	76 per spec		provided later. This is reasonable. Spares of rotating components not included in pricing.	14										
13	Quality Assurance	As per spec		Presentation showing quality system included.	INA		80								
	Data with Submission	GA, PFD, PID, Eq. List, Inst. List,		Basic PFD and rough GA provided. Nothing	N										
H337697-PM403-013219		Consumptions, Data Sheets		else.											
		10 10													
STATISTICS	SAPERIOR CONTROL OF THE PROPERTY OF THE PROPER		T T	Filter Innovations's Bid Results		T T	BIDDER B's Bid Resu	ults	100	BIDDER C's Bid Results	×.			BIDDER D's Bid Res	sulfs
TOTAL √	Conforms to the Specification			TOTAL √	27	 	TOTAL √	0		TOTAL√	0			TOTAL √	0
TOTAL N	Does not Conform to the Specification			TOTAL N	17	1	TOTAL N	0	1	TOTALN	0	1		TOTAL N	0
TOTAL N/A	Not Applicable			TOTAL N/A	1		TOTAL N/A	0	1	TOTAL N/A	0			TOTAL N/A	0
TOTAL INA	Information Not Available			TOTAL INA	20		TOTAL INA	0		TOTAL INA	0			TOTAL INA	0
ADDROVALE	LIVE / MONTHS		LCOMMENT			Loomer						Lecurer			
APPROVALS	NAME / SIGNATURE	DATE (YYYY-MM-DD)	COMMENT	5:		COMMENTS	5:		COMMEN	15:		COMMEN	115:		
Package Coordinator				stem, including oil water separator, filtration on breaking equipment. The de-emulstion step											
Discipline Lead Engineer	Rusi Kapadia / hy Kyrd:	2011/09/26	provided as	well although it was not requested. This can n the next phase of the project.											
Engineering Manager			uses 'bag fi	to be supplied an iso-containerized system. Fi Iters" . We would prefer to see automatic											
Area Manager	a a		backwashin the project.	g filters. This detail can be updated in next pl	hase of										

RECOMMENDATION:

Use Filter Innovations for basis of engineering drawings.

LEGENE	D: v: Conforms to the Specification		N: Does Not Conform to Specification	N/A: Not Applicable	INA: Information Not Available	
Data Sheet N1	Equipment Sound Level	< 80 dBA at 1 meter	85 dBA at 1 meter	N		
Data Sheet E11	Surface Loading Rate	<30 m/hr	No information	INA-		
Data Sheet E13	Weir overflow rate	<300 m^3/m/day	No information	INA		



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	Process	2011-08-27

		MARY RIVER PROJECT	1				ID RECOMMENDA			PREPARED BY	-	DISCIPLI	NE D. 2011	DATE
ACKAGE NUMBER	H337697-PM403				'Masta I	Water Treatn	aont		-	PROCUREMENT AGENT	-	Process	2011	1-08
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		BIDDER'S NAME		Filter Innovations	8			=			_ 8		BIDDER D	
		PROPOSAL DATE		2011-08-26	RMANCE		YYYY-MM-DD	MANCE		YYYY-MM-DD	MANCE		YYYY-MM-DD	
ITEM		CLARIFICATION MEETING	ITEM			ITEM		- FOR	ITEM		- OR	ITEM		
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LEGEND: √: Conforms to the Specification

N: Does Not Conform to Specification

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