

REQ 266-2015/E

Supply new complete heavy duty caste steel electrical Submersible drainage pumps suitable for industrial application , single volute, semi open impeller vortex type. According technical specification as below

Pump specification		
Handled fluid	Water include (Solids-handling)	
Capacity		
	Item A (200) m ³ /h	QTY (1)
	Item B (300) m ³ /h	QTY (1)
Discharge pressure (min)	2 bar	
Discharge head	20 meters	
Impeller type	Vortex or single channel	
Material should be		
	Open Impeller in Chromium and cast steel housing.	
	Wear plate in stainless steel.	
	Double mechanical shaft seals to withstand abrasive medium	
	Shafts, nuts and bolts in stainless steel	
	Submersible pumps have to equipped with discharge flange connection and flexible house min 32 m each pieces (6m) for each item	
	Submersible pumps have to equipped with Galvanized iron base Plates	
Electrical specification		
Phase /Voltage /Hz	3ph /380 /50	
Connection	Y/Δ	
IP	68	
Heavy duty	S1	
Insulation class	F	
	Pump equipped with water leakage protection	
	Pump equipped with flexible power cable and control cables length 30 meter	

Pump equipped with weather proof panel				
Specification and details as below				
Motor starter type Y/Δ contain	Circuit breaker type MCCB with earth fault protection			
	Contactor			
	Overload			
	Water leakage protection			
	MCB for control voltage			
	Three current transformer			
	Power and control terminal			
Install in front panel	Three lamps RST ,three phase ampere , three voltmeter ,three lamps signal RUN/STOP /TRIP and ON/OFF push bottom			
Any Other required accessories for connection starter should be provide with equipments				
Spare parts for each pump				
NO	Description	Unit	Qty	
1	Impeller	NOS	1	
2	Bearing	SET	1	
3	Mechanical seal	SET	1	
4	O – Ring and gasket	SET	1	
Manufacturer				
			Countries of origin	
		Ebara	Japan	
		K.S.B	Germany	
		zenit	Germany	
		FLOWERVE	U.S.A / W Europe	
		FLYGT	SWEDEN	
NOTES :				
Certificate of origin should be provide with equipment				
All equipments must be original manufacturer (U.S.A / WEST Europe / Japan)				
The technical offer should be include				
	Technical Specification			
	Data sheet			
	Performance curve			
	Section drawing			