

**IRANIAN PETROLEUM STANDARDS
A2-QUOTATION ANALYSIS REPORT TABLE
FOR RECIPROCATING PUMPS**

ISSUE DATE ----- PAGE ----- OF ----- REV. -----

PREP'D. ----- CHE'D.- ----- APP'D. -----

OPERATING CONDITION	DATA	QUOTATION ANALYSIS REPORT FOR RECIPROCATING PUMP PROJECT: ----- CLIENT: ----- LOCATION ----- UNIT No: ----- ITEM No: ----- SERVICE: -----	SITE CONDITION			
PUMPING LIQUID:			Range of ambient Temps.;Max./Min.	/	°C	
PT (PUMPING TEMP.)	°C		Altitude		m	
SPECIFIC GRAVITY AT PUMPING TEMP.			Relative Humidity: Max./Min.	/	(%)	
VAPOUR PRESSURE AT PT	MPa(abs)		Unusual Condition	<input type="checkbox"/> Dust	<input type="checkbox"/> Fumes	
VISCOSITY AT PT	Pa.s, cp		Chloride Concentration		ppm	
CORROSION/ EROSION CAUSED BY:			Elect. Area Classification	Cl	GR	DIV
CAPACITY:NORMAL	m ³ /h		<input type="checkbox"/> Winterization	<input type="checkbox"/> Req'd.	<input type="checkbox"/> Not Req'd.	
RATED	m ³ /h		<input type="checkbox"/> Tropicalization	<input type="checkbox"/> Req'd.	<input type="checkbox"/> Not Req'd.	
DIFFERENTIAL PRESS.	MPa		Others			
DISCHARGE PRESS.	MPa(ga)		REMARKS:			
SUCTION PRESS.	MPa(ga)					
DIFFERENTIAL PRESS.	MPa					
HYDRAULIC POWER	kW					
MAX.SUCTION PRESS.	MPa(ga)					
NPSH AVAILABLE	m					

DESCRIPTION (Spec.)	DATA	VENDOR'S PROPOSAL								
		A			B			C		
MAUFACTURER										
TYPE:/ MODEL										
NO.OF CYLINDER										
TYPE OF DRIVER										
ROTATION	<input type="checkbox"/> cw <input type="checkbox"/> ccw	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
DRIVER SPEED	rpm									
CRANK SHAFT SPEED	rpm									
SPEED REDUCER	TYPE/AGMA SF									
VARIABLE SPEED CHANGER	TYPE/ SF									
PISTON SPEED RATED / MAX. ALLOW.	m/s									
VALVE TYPE	<input type="checkbox"/> DISC <input type="checkbox"/> BALL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
NO. OF VALVE										
NOZZLE: SUC. ;SIZE, RATING, FACE & LOC.										
NOZZLE: DIS. ; SIZE, RATING, FACE & LOC.										
EFF. AT RATED / CAPACITY	% @									
VOLUMETRIC EFF.	%									
B.H.P. : RATED	kW									
MAX.	kW									
DRIVER POWER	kW									
NPSH REQUIRED (IN WATER 3% H. DROP)	m									
MIN.FLOW RATE :	m ³ /h									
MAX.ALLOW. WORK. PRESS.	MPa(ga)									
TEMP.	°C									
HYDRO. TEST PRESS.(at 15°C)	MPa(ga)									
RELIEF VALVE SETTING	MPa(ga)									
RELIEF VALVE FEATURE	<input type="checkbox"/> BUILT-IN <input type="checkbox"/> EXTERNAL	<input type="checkbox"/> YES			<input type="checkbox"/> YES			<input type="checkbox"/> YES		
	<input type="checkbox"/> FORCED FEED <input type="checkbox"/> BATH								<input type="checkbox"/> NO	<input type="checkbox"/> N/A
LUBRICATION SYSTEM	<input type="checkbox"/> OTHER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A	<input type="checkbox"/> YES		
COUPLING WITH GUARD :	<input type="checkbox"/> GEAR TYPE <input type="checkbox"/> DISC TYPE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
	<input type="checkbox"/> NON-SPARK GUARD	<input type="checkbox"/> YES								
MFR. / MODEL NO.										
BASEPLATE: TYPE	<input type="checkbox"/> COMMON <input type="checkbox"/> STEEL FABR.	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
	<input type="checkbox"/> HEAVY- DUTY									
AIR VENT HOLES	<input type="checkbox"/> REQUIRED <input type="checkbox"/> NOT REQUIRED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
DRAIN CONNECTION	<input type="checkbox"/> REQUIRED <input type="checkbox"/> NOT REQUIRED	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
ANCHOR BOLTS	<input type="checkbox"/> REQUIRED <input type="checkbox"/> NOT REQUIRED									
NOISE LEVEL	MAX. db(abs.)									
MATERIALS: API SPECIFICATION										
CYL. & COVER / CYL LINER	/									
PLUNGER OR PISTON / DIAPHRAGM	/									
VALVE / VALVE SHEET	/									
CRANK SHAFT/ GEAR	/									
CAPACITY CONTROL:	<input type="checkbox"/> STROKE <input type="checkbox"/> BY-PASS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
	<input type="checkbox"/> AUTOMATIC <input type="checkbox"/> MANUAL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
DEVIATIONS / EXCEPTION.										
COMMENTS / REMARK										
ACCESSORIES	PER REQ'D. IN THE DATA SHEET									
TEST AND INSPECTION										
EVALUATION RANKING	<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D									
TOTAL PRICE	IN USD \$									
DELIVERY (EX. FACTORY)										
REMARKS:										
COMMENTS:										