

ROTO PUMP SPECIFICATION FOR STRONG FLOCAL		
	NAME OF INDUSTRY	URANIUM CORPORATION OF INDIA LIMITED
	ROTO PUMP	
1	LIQUID / MEDIA TO BE HANDLED	STRONG FLOCCULENT SOLUTION
22	CAPACITY (m3/hr)	1.5 TO 3.0 M3/HR
3	SUCTION PRESSURE/LIFT (KG/CM2 / bar)	FLODDDED
44	DISCHARGE PRESSURE (KG/CM2 / bar)	1 KG/CM2
55	DIFFERENTIAL PRESSURE (KG/CM2 / bar)	1 KG/CM2
66	TEMPERATURE (Deg. C)	Amb.
7	VISCOSITY (CP/CST)	5cp
8	SPECIFIC GRAVITY	1.05
9	MEDIA CONTAINS SOLIDS - YES / NO	NO
10	% OF SOLID (IF DATA AVAILABLE)	NO
11	PH	6 TO 7
112	TYPE OF PUMP REQUIRED - Single Screw / Twin Screw	SINGLE SCREW
13	PREFERRED PUMP SPEED (If any)	
14	DRIVE ARRANGMENT - V-belt / Geared Motor / Gear Box + Motor / Synch. Speed	V-BELT DRIVE
15	PRV REQUIRED - YES / NO	NO
116	MATERIAL OF CONSTRUCTION	
	PUMP HOUSING - CAST IRON / CF8M	CF8M
	ROTOR - SS 410 / SS 316	SS 316
	SHAFT - Alloy Steel / SS 410 / SS 316	SS 316
	STATOR - Nitrile / EPDM / Hypalon / Viton / Natural rubber	NITRILE
	PACKING - GLAND / SEAL	GLAND PACKING
	MOTOR ENCLOSURE - FLP/NFLP	NFLP
	MOTOR VFD SUITABLE - YES / NO	YES
17	JOINT TYPE	UNIVERSAL CARDAN JOINT
18	SCOPE OF SUPPLY	BARE SHAFT PUMP WITH BASE PLATE, FOUNDATION NUT & BOLTS, VFD, PRIME MOVER
19	SPECIAL NOTE:	VFD SHOULD BE 1.5 TIMES HIGHER RATED THAN MOTOR RATING
220	QUANTITY:	2 (Two)

1/2/20