


Annexure - A Submersible Pump.

TECHNICAL SPECIFICATION

S.No	PARTICULARS	ITEM - 1
1	TYPE OF PUMP	DRAINAGE SUBMERSIBLE PUMP
2	MAKE / BRAND NAME	"SB"
3	MODEL OF PUMP	SB D 53 Q4
4	RATED OUTPUT OF MOTOR IN KW	4
5	SERIES	DRAIN - 1
6	OPERATING VOLTAGE / FREQUENCY / PHASE	(420 - 440) VOLTS \pm 10% / 50Hz. / 3
7	METHOD OF STARTING	DOL
8	LUBRICATION OF BEARING	GREASE
9	PARTICULAR OF PUMP SET ON DUTY POINT	
10	A) DISCHARGE CAPACITY IN M3/HR.	48
	B) HEAD IN MTR.	15
	C) OUTLET SIZE IN MM.	80
	D) SPEED IN RPM	2900 (SYN.)
11	OPERATING CONDITIONS	
	A) LIQUID	WASTE WATER
	B) SPECIFIC GRAVITY	1.02
	C) SOLID HANDLING SIZE IN MM	25
	D) DEGREE OF PROTECTION	IP 68
	E) MIN. SUBMERGENCE IN MTR.	0.5 ABOVE PUMP
	F) MAX. SUBMERGENCE (H ₂ O) IN MTR.	31
	G) MAX. PERMISSIBLE FLUID TEMP. IN ° C	20 - 30
	H) MAX. RUN TIME IN AIR IN MIN.	15
	I) INSULATION CLASS.	"F"
12	J) INSTALLATION POSITION	VERTICAL
	MATERIAL OF CONSTRUCTION	
	A) IMPELLER.	HT 200
	B) CASING.	C.I.GRD.FG. 260
	C) ROTOR SHAFT.	SS. 431
	D) PUMP BASE & PUMP BODY	HT 200
	E) MOTOR BODY.	SS. 304
	F) OIL CYLINDER	HT 200
	G) UPPER & LOWER HOUSING	C.I.GRD.FG. 260
13	H) MECHANICAL SEAL (DOUBLE)	SIC. Vs SIC.
	RECOMMENDED CABLE SIZE(ROUND CABLE) / LENGTH.	(1 \times 4 \times 1.5 SQ. MM) / (1 \times 25 MTR.)


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