

TITLE :		DOC NO.	MMLH/FPS/01		
TECHNICAL DATA SHEET FOR FIRE PUMP SETS (MOTOR DRIVEN)					
PACKAGE:	FIRE PROTECTION SYSTEM	REV.	0	DATE:	12.10.2017
PROJECT:	MMLH, VIZAG	SHEET	1	OF	1
1.0	Manufacturer	: <b>Matther &amp; Platt, Kirloskar for Pump</b> <b>Crompton /Kirloskar/ ABB / Bharat Bijlee /Equi. App. Make for Motor</b>			
2.0	Capacity	171 M3/Hr			
3.0	Head	70 MWC			
4.0	Fluid Handled	Water			
5.0	Temperature	Ambient			
6.0	Speed (RPM)	2900			
7.0	No Of Stages	Single			
8.0	Type of Motor	Min 75 HP TEFC, Squirrel Case Induction motor (Star Delta Type Starting)			
9.0	Shut off Head	Bidder to Confirm			
10.0	Efficiency	Bidder to Confirm			
11.0	NPSH ( Required) at duty piont	Bidder to Confirm			
12.0	Approx BKW required at shaft at duty point	Bidder to Confirm			
13.0	Approx BKW required at shaft at 150 % Flow	Bidder to Confirm			
14.0	<b>Material of Construction</b>				
	Casing	2.5 % Ni Ci (IS:210 FG 260)			
	Impeller	Bronze IS:318			
	Shaft	AISI 410			
	Shaft Sleeve	SS ASTM A 276 Type 410			
	Casing Wear Ring	Bronze ( IS:318)			
	Sealing Arrangement	Gland Packed			
15.0	<b>Accessories Provided</b>				
	Priming Connection	Yes			
	Vent Cock	Yes			
	Coupling	Yes			
	Casing Drain	Yes			
	Base Plate	Yes			
	Coupling Guard	Yes			
	Foundation Bolts	Yes			
	Companion Flange with Gasket	Yes			
16.0	Hydrostatic Test Pressure	1.5 Times Shut off Pressure			