

## **BRIHANMUMBAI MUNICIPAL CORPORATION**

**Sub: Sub:** Supply, Installation, Testing, and Commissioning work to upgrade the existing hydraulic system installed at Kasturba Hospital in E ward .(Tender Id - 2024\_MCGM\_1114342\_1)

### **Technical Data Sheet**

<b>Sr. No.</b>	<b>Description</b>	<b>BMC's Requirement</b>	<b>To be filled by the tenderer</b>
<b>PUMP</b>			
1	Design	Vertical multistage Pump	
2	no. of stage	2	
3	Max working Pressure	665 KPA	
4	power	20 HP	
5	Frequency	50 HZ	
6	Flow	operating 1380 l/min	
		Max 2000 l/min	
		Min 750 l/min	
7	Head	operating 45.5 Mtr	
		min 27.1 Mtr	
		Max 57.5 mtr	
8	Efficiency	74%	
9	Impeller	AISI 304	
10	Intermediate casing	AISI 304	
11	Casing cover	AISI 304	
12	Shaft	AISI 304	
13	Bottom casing	Cast Iron	
14	O ring	EPDM	
15	Type	TEFC Three Phase	
16	Specific design	IE3 / 50 Hz / Pole pairs 1	
17	Insulation class	F	

18	Phases	3	
19	Rated power	20 HP	
20	Number of poles	2	
21	Speed	Approx. 2930 RPM	
22	Degree of protection	IP 55	
23	Electric current	26.2 A	
24	Electric voltage	400 V	
25	Weight	Approx .101 kg	
	<b>PUMP PANEL</b>		
26	CRCA Sheet Thickness	14 SWG	
27	Degree Of Protection	IP 52	
28	CRCA Sheet Coating	POWDER COAT	
29	Input	PLC / HMI	
30	Type Of Control Panel	FORM 3 B	
31	No. Of Exhaust Fan For Vfd	4	
32	Compatible With	BMS	
33	Power Supply	415 V	
34	Indicating Lamps	3 NOS. (RYB)	
	<b>VFD TYPE</b>		
35	Capacity For	30 HP MOTOR	
36	Communication Port	RS 485	
37	Control Power Supply	24V DC TO CIRCUIT	
38	Control	V/F CONTROL	
39	Display	LCD	
40	Enclosure Rating	UL TYPE 1	
41	Phase Rating	3 PHASE INPUT & OUTPUT	
42	In case of VFD failure the panel should be in a position to run the pump in bypass mode		
43	bypass mode should have type 2 coordination to minimize the rate current		
44	auto manual controller shall be there on the panels		
45	all auxiliaries and contactors shall be set for rated currents.		
46	provision for plug points and lights shall be there inside the panel		
47	lights shall be connected with no/nc contacts		

Yours Faithfully

Authorized Signatory, Name and Designation, Company Rubber Stamp