BUROHAPPOLD ENGINEERING

BH-ZSG-SCH-P-0001

Section C & D - Plumbing Pump Schedule

Revision	Description	Issued by	Date	Checked by
00	Tender	TA	Oct-15	TA
01	Tender	TA	Nov-15	PG

BH-ZSG-SCH-P-0001
Plumbing Pump Schedule

Sr. No.	Equipment Tag No.	Location	Service	Pump Type	Quantity (Nos.)			Performance Data		Motor Data				Mode of Operation			Starter Type	Remarks
					Total	Working	Stand By	Head (m)	Flow m^3/hr	KW	RPM	V/PH/HZ	Speed Control	Normal	Generator	Fire		
Plot-C Sales Gallery																		
1	SG-DWP-L0001	Ground floor	Water supply	Hydro-pneumatic vertical inline	1	1	0	30	11.5	**2.2**	2950	415/3/50	Constant	Yes	Yes	No	VFD	100 Litre booster tank
2	SG-DWP-L0002	Ground floor	Water supply	Hydro-pneumatic vertical inline	1	0	1	30	11.5	**2.2**	2950	415/3/50	Constant	Yes	Yes	No	VFD	

NOTE: THIS SCHEDULE SHALL BE READ IN CONJUNCTION WITH SPECIFICATION AND DRAWINGS.

1. THE CONTRACTOR SHALL SUBMIT CALCULATION VERIFYING SYSTEM HEAD ALONG WITH PUMP SELECTION SUBMITTAL BASED ON APPROVED SHOP DRAWING BEFORE ORDERING THE EQUIPMENT.
2. THE CONTRACTOR SHALL ALLOW FOR A 10% MARGIN ON FLOW AND 10% MARGIN ON HEAD FOR ALL PUMP DUTIES SPECIFIED.
3. SELECT THE PUMPS WITH BEST EFFICIENCY AVAILABLE.
4. DRIVE MOTOR SHALL BE RATED AT ELAST 20% IN EXCESS (1.2 TIMES) OF MAXIMUM BKW OF THE PUMP PLUS TRANSMISSION LOSSES AND SHALL BE CONTINUOUS RATING TYPE. ALL MOTORS SHALL HAVE EFF-CLASS-I
5. PUMPS TO BE SELECTED SHALL HAVE THE IMPELLER SIZED TO MAXIMUM OF 80% OF THE LARGEST SIZE AVAILABLE IN PUMP.
7. SHUT OFF HEAD SHALL BE 1.2 TIMES OF TOTAL HEAD.
8. MOTORS AND PUMPS SHALL BE CAPACBLE OF DELIVERING NOT LESS THAN 150% OF RATING CAPACITY AT A HEAD OF NOT LESS THAN 65% OF THE RATED HEAD.
9. PUMPS SHALL BE CAPABLE OF DISCHARGING 150% OF RATED CAPACITY AT 65% OF THE RATED HEAD AND THE NO DELIVERY HEAD SHALL BE NOT MORE THAN 140%(150% IN CASE OF END SUCTION TYPE) OF THE RATED DELIVERY HEAD. THE PUMP CASING SHALL WITHSTAND 1.5 TIMES THE NO-DELIVERY PRESSURE OR 2 TIMES OF THE DUTY PRESSURE WHICHEVER IS HIGHER.
10.FOR FURTHER DETAILS REFER TO THE PROJECT SPECIFICATION

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