

DUMNE MWS TRANSFER PUMP FROM THE SUCTION GROUND TANK TO THE ELEVATED TANK

Design Considerations				
1	Suction Tank G. Level		333	m
2	Suction Tank Capacity		50	m ³
3	Reservior EST Level		367	m
4	Stanchion Height		9	m
5	Reservior EST Capacity		50	m ³
6	Diff. in Head		43	m
7	Distance From Suction tank to EST		600	m
8	Estimated Flow rate		11.66	m ³ /hr
9	Estimated Duration of Pumping		6	hrs
10	Pipe Size		75	mm
11	Head Loss		4.8	m
12	Pump Head		47.8	m
13	Design Pump Head (Provided)		50	m
14	Estimated Pressure		5	Bar
15	Pump Hp required		2.505	Hp
16	Pump Hp provided		3	Hp