

Design of Transformer & Capacity Calculations	
Description	SPS at Kamed
Total Motor Capacity of Pumps (Hp) used (Only Work Pumps Hp considered)	3415
Calculations for Total Connected Load Base on KW & Assuming Power Factor as 0.8	3184
As per IEEE norms, Transformer should be loaded at 80% of full capacity of Transformer i.e. 20% extra as per IEEE rule.	3821
Recommended Transformer Capacity KVA (Say) As per MPEB Norms minimum commercial transformer are of 63 KVA considered.	2500 KVA