

ANNEXURE-A

SI No	Exhaust Fan Details	
1.1	General	All exhaust fans shall be provided with back draft shutter, bird screen and shall be rain protected.
1.2	Type	Propeller Type
1.3	Bidder Scope	Supply E&C of Exhaust fan for Pantry room and Tool Rooms (except battery room and toilet) is in bidders scope. However, single phase power supply, supply of Switch board, sockets, lighting wires, conduits, JB's etc and E&C for toilets, Battery room shall also be in Bidders scope.
1.4	Air changes / hr	20 (For Battery Room, Pantry room, Tool Room & All Toilets) 15 (For all Pump House & Electric House located on board Machine #SR-1A / 1B / 1C / 1D)
1.5	Construction	Aerofoil design mounted on stream lined hub fastened to the motor shaft. The complete assembly with motor shall be statically and dynamically balanced. Impellers upto 457 mm size can be of fabricated type. Impeller size greater than 457 mm shall be of cast aluminium construction. Louver shutter/wall cowl as applicable shall be made out of MS epoxy painted sheet steel/expanded metal of sufficient strength.
1.6	Fan RPM / motor	RPM shall preferably be limited to 1450. Motor shall be of totally enclosed type with class 'F' insulation complete with wire mesh guard having Energy efficient level 1.