

SCOPE OF SUPPLY

Specification of high capacity portable pump as IS 12717 : 1989 material code HY- 7814046041		To be confirmed or specified by the vendor	
<u>ENGINE</u>			
CAPACITY	The engine shall have sufficient power to give the required output i e 1100-1600 l/min at pressure 7 kgf/cm ² .	To be Confirmed	
COOLING SYSTEM	Water cooling system	To be Confirmed	
FUEL TANK CAPACITY	The engine fuel tank shall have the capacity to allow running of pump for minimum one hour continuously at the rated output.	To be specified	
STARTING SYSTEM	The engine shall be electric start and provided with a well-designed hand starting backup device, preferably of recoil rope type. The engine shall be fitted with generator/alternator for charging the battery.	To be specified	
<u>PUMP</u>			
TYPE	The pump shall be single –stage centrifugal type directly mounted to the engine and driven preferably through a flexible coupling.	To be Confirmed	
DISCHARGE PORT COUPLING TWIN OUTLET	02 numbers of 63 mm instantaneous female gun metal couplings with screw down valves	To be Confirmed	
SUCTION PORT COUPLING	100 mm round threaded male coupling	To be Confirmed	

PRIMING	Primer should be capable of lifting water from a depth of 7m in 30 seconds. The primer shall be preferably exhaust gas ejector type operated by the priming lever	To be Confirmed	
IMPELLER	The impeller shall be dynamically balanced and pump shall be hydraulically tested to a pressure of 16.5kgf/cm ² for a period of 2 minutes.	To be Confirmed	
PUMP PERFORMANCE	The rated value 1100 to 1600 l/min at 7KG/CM2	To be Confirmed	

GENERAL

WEIGHT	The total weight of the unit with fuel shall not exceed 130 kg	To be Confirmed	
Accessories	Qty.		
Suction hose	04 Nos	100mm suction hose 2.5m length with 100mm dia gun metal male and female threaded couplings.	To be Confirmed
Suction strainer	01 No.	For 100 mm dia suction hose	To be Confirmed
Basket strainer	01 No.	Suitable for 100 mm dia suction hose	To be Confirmed
Suction wrenches	01 Pair	Suction wrenches for 100mm suction hose couplings	To be Confirmed

Adapter	01 Nos	63mm male instantaneous coupling to 100mm female suitable threaded	To be Confirmed	
Tools	01 kit	A tool kit comprising all essential tools required for normal maintenance	To be Confirmed	

PRE QUALIFICATION CRITERIA

Vendor has to submit details regarding supply of similar pumps to reputed clients Central / State Govt., PSUs, MNCs etc in the past, Copy of either PO copy, Delivery challan etc	To be Confirmed	
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