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Technical specification

DESCRIPTION: Trolley mounted water bouser cap 5000 lit equipped with fire fighting arrangement

SCOPE OF SUPPLY: The specification covers supply and commissioning of trolley mounted water bouser cap 5000 lit equipped with fire fighting arrangement.

Technical parameters.

1	Major Parameter.	<p>Capability- The water bouser mounted on four wheeler trolley. front wheel shall be moveable along with towing fitments and rear wheel assembly shall be fixed.</p> <p>Trolley frame – 150x 75 mm heavy duty MS channel along with 4 nos suitable leaf spring and fitted with towing bar system with all necessary fitments.</p> <p>Water tank cap- 5000 Lit made out of 5mm thick MS sheet</p> <p>Single stage centrifugal fire pump with diesel engine of 6.6 HP both engine and pump should be fitted on suitable cradle designed of tubular steel with handles.</p> <p>Rated capacity of the pump should be 270 LPM at 4.0 Kg/cm² at NTP condition. The pump shall be fitted with 75mm male round thread suction inlet with blank cap and 63 mm delivery outlet with instantaneous female coupling and blank cap.</p> <p>Impeller should be light weight alloy and well balanced fixed on the extension of the crank shaft of the engine. The pump should be fitted with mechanical seal which does not require any attention.</p> <p>The pump should be fitted with adjust ejector or rotary primer capable of lifting water from the depth of 7meters. The engine shall be 6.6HP at 3000rpm of air cooled.</p> <p>Gate valve – 50 mm size along with pipe line connection at the rear side of tank.</p> <p>Cleaning hole – 250 mm dia shall be provided bottom of the tank for cleaning purpose .</p> <p>Main hole – 450 mm dia along with cover provided top of the tank.</p> <p>Tap arrangement shall be provided at the back of the tank.</p> <p>Three baffles plates/partition shall be provided inside the water tank.</p> <p>Water tank shall be painted inside & outside with anti corrosion treatment. It shall be coated with zinc red oxide primer outside & inside. After coating primer, it shall be painted by red color out side and rubber paint inside.</p>
2	Minor parameter	<p>i. Wheel tyre size of trolley -8.25x 16 (MRF/CEAT) with complete fitments</p>

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		ii. A storage box shall be provided for arrangement of suction & delivery hose pipe of 15 meters length. iii. Delivery hose pipes with Nozzle size of 25mm with all fittings. iv. 5 liters capacity of Diesel tank should be fitted by the side of the engine and shall be provided with filling cap.
3	Optional accessories	Nil
4	Spares	Nil
5	AMC	Not required
6	Warrantee	As per IRS General condition.
7	Special requirement.	The supplier shall be required to commissioning & demonstrate function of the equipment

SSE-MW

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Annexure-II

To be submitted by the firm along with offer

Tender specification as per Annexure-I	Specification quoted by the firm	Deviation if any with clarification

Signature of firm's