



Surat Municipal Corporation

Fire & Emergency Services

Head Quarter, Muglisara, Surat : 395003

Phone : 0261-2423751-56 Control room : 24141495-96, Fax : 2451935 Mo.9724345553

To,

DT. 06/05/2026

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Sub: Quotation for Diesel Portable Fire Pump 1400 ltrs/min 01 Nos.

Dear Sir/Madam,

Sealed quotation is hereby invited for Diesel Portable Fire Pump 1400 ltrs/min 01 Nos. by meeting the below mentioned minimum requirements.

1. GENERAL REQUIREMENT:

The unit shall consist of a petrol engine coupled with single stage centrifugal pump having maximum output of 1400 L/min and maximum pressure of 7.0 Bar. The Pump shall be CE certified. The portable pump and engine unit shall be fitted on a tubular frame with anti-vibration pads. The complete unit along with suitable priming system shall be light weight so that it can be easily stored in fire engine's utility compartment & easily carried by two men. The pump should be able to work for drinking water application & dewatering application. The pump shall be designed to work in all weather conditions without affecting Engine and pump.

2. ENGINE:

The Engine used shall be of make Briggs & Stratton Vanguard, Kohler, Weber, 18 Hp, Twin cylinder, 4stroke, Petrol driven, Air cooled having factory set mechanical governor type speed control system. It should have both Electric Self Start and manual Recoil Type Rope Start as standby. Electrical system should be provided with 12 V arrangement for battery charging. Silencer should be arranged to direct exhaust gas away from operator. Fuel Tank capacity should be sufficient enough to run the pump for not less than 1.5 hours when operating at its rated output.

3. PUMP

The pump shall be Firefly make single stage centrifugal type directly mounted on the extension of the crank shaft of the engine. Material of construction is Light aluminium alloy as per IS 617 or BS: 1676. The pump shall comprise of aluminum alloy volute body (casing), impeller, two screw down type delivery outlets of 63 mm (IS 903) and 100 mm suction with round threads (IS 902.) All parts of the pump exposed to atmosphere shall be suitably protected against corrosion. The pump shall be designed to have easy access to the impeller with the outer face carrying suction delivery and priming device etc. A drain plug shall be provided at the bottom of the pump casing. Round thread suction inlet shall be provided with internal strainer and blank cap. The strainer shall be readily removable, but shall be retained firmly in position when in use. The delivery valves shall be fitted with 63mm female instantaneous hose connection and blank cap. Impeller shall be dynamically balanced and the pump shall show no leakage when subjected to a static hydraulic pressure test of 1.5 times the maximum working pressure.

4. PUMP PERFORMANCE:

The performance parameters shall strictly match the PFP N 6-500 of EN 14466 standards. The portable pump is intended to be used for direct firefighting and also for flood relief operations hence the below given parameters shall also be achieved over and above the governing standards.

350 l/min - 7.0 bar

800l/min - 5.0 bar

1200/min - 2.0 bar

Note- All the above tests shall be conducted at NTP conditions and allowances as per clause 4.5.3.1 of IS 950 may be considered.

5. PRIMING SYSTEM

Reliable and effective priming system shall be provided for priming the pump. The priming system shall be able to prime the pump from 7.0 mtrs within 24 seconds at NTP conditions. The priming system should be simple and shall be operated by a single person.

6. FRAME WORK

Frame work shall be of cradle design made of tubular steel or equivalent strong material and provided with anti-vibration pads. Cradle shall be fitted with four folding handles at four corners to enable easy lifting/carrying of the pump by two men. Dimension- Should not exceed L 590 x W 550 x H 630 in mm. Weight - The total dry weight (without Battery, engine oil, fuel and water) of the Pump should not exceed 80 Kgs.

7. CONTROLS AND INSTRUMENTS

A control panel consists of following controls and gauges grouped conveniently should be mounted adjacent to pump suction/ delivery.

1. Throttle control
2. Primer Control
3. Ignition interrupter switch
4. Pump suction compound Gauge
5. Pump Delivery Pressure Gauge
6. Adjustable flood light
7. Pump run hour meter

8. MARKING:

The Pump unit shall be clearly and permanently marked with the following information.

1. The output capacity of Pump in L.P.M.
2. Manufacturers name and Trade name
3. Weight of the Pump set
4. Year of manufacturers
5. Sr. No. of the Pump
6. Engine No.

9. WORKMANSHIP AND FINISH:

- a) All parts of the appliance shall have good workmanship.
- b) The appliance shall be painted in Fire Red Color wherever applicable.

10. TEST:

The Pump shall be put to four hours Endurance test continuously and deep lift test from a depth of 7 mtrs.

11. ACCESSORIES:

The following equipment shall be provided along with the pump unit:

1. 100 mm suction hose 4.5 m length with 100 mm suction hose SS coupling -02 Nos.
2. Universal Suction wrenches for suction hose coupling-02 Nos.
3. Metal strainer for 100 mm suction hose -01 No
4. Basket strainer suitable for suction hose-01 No
5. Tool Kit-01 No

Instruction Book with operation Manual shall be provided at the time of supply. A Canvas Cover to Cover up the unit should be supplied with each Pump.

12. WARRANTEE

The entire unit shall be warranted for a period of twelve months from the date of acceptance.

13. OPERATION AND SPARES MANUAL

A complete operation, maintenance and detailed spare part manual shall be supplied with the unit.

NOTE:

- 1) Bidder has to accept the delivery period of 45 days from the PO date unconditionally.
- 2) Only Indian manufacturing units having testing facility at their work place will only be considered.
- 3) Manufacturer should have test /evaluation facilities as per standards including deep lift testing facility.
- 4) The engine coupled to the fire pump as per the details mentioned in technical specifications. No Chinese engines acceptable.
- 5) The bidder has to submit the sample along with the bid for technical evaluation.
- 6) The bidder has to submit documentary evidence (Purchase order copies) against the supply of minimum 50 nos of 800 LPM @ 5 bar portable fire pump with 18 HP engine during last three financial years.

TERMS & CONDITIONS:

1. Quotation once offered shall not be withdrawn by Vendor.
2. Quotation once accepted shall be binding to the Vendor/Contractor.
3. The rates quoted must include all taxes, duties/ levies, GST (Goods and Service Taxes) freight, insurance, transportation, delivery, and Loading unloading at the site etc.
4. Right to accept any or to reject any or all the Quotation or reduced the scope of work without assigning any reason there of is reserved by the competent authority of Surat Municipal Corporation, Surat.
5. Quotation to whom the award is made must enter into agreement and other formalities on Rs. 300 Stamp Paper.
6. While Calculating total amount, quantity to be taken into consideration will be the quantity executed and not the quantity put to quotation.
7. Payment will be made after successful completion of work, and it may take at least 1- month time to complete the process of Payment subject to fulfillment of entire document related criteria required by the Account/ Audit department of SMC.
8. Firm who have not registered party code in SMC, may also apply for the said work subjected they have to generate the party code of the payment purpose by submitting required documents.
9. 02% SD (Security Deposit) of total contract value shall be submitted in form of DD by contractor within 15 days after awarding the contract. Failure to this tends to SD delay penalty 0.065% of SD amount per day.
10. Quotations received after due date will not be considered.
11. Quotations sent by post or courier of services or in person are preferable.
12. The contractor will submit the invoice to the SMC having GSTIN of SMC mentioned therein and the taxes shall be shown separately on the face of the invoice to claim as ITC by SMC.
13. Sealed envelope should bear on top: " Quotation for providing Diesel Portable Fire Pump 1400 ltrs/min 01 Nos"
14. Quotation must be sent in sealed cover on or before 16/05/2026 up to 18:00 hrs to the below mentioned office:

Chief Fire Officer
Fire & Emergency Services 2nd floor,
Mugalisara Fire St.,
Gordhandas chokhawala marg, Mugalsarai, Surat. 395002.

FES/Outward No./490
Date: 06/05/2026

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Chief Fire Officer
Fire and Emergency Services
Surat Municipal Corporation