

Section 7. Technical Specifications

Portable Fire Pump (Small)

SL. No.	Technical Specifications	Bidders Offer.
01.	Portable Fire Pump (Small) (Brand, Model & year of production).	To be Mentioned.
02.	Engine (Brand, Model & year of production).	a) Gasoline Engine. b) 2-4 cylinder, 4 stroke. c) Water cooled. d) 40-65 H.P at rated RPM. e) Displacement: 800 cc (Minimum). f) There must be no external belts or Pulleys. g) Specific Fuel consumption (SFC) : To be mentioned. h) Duration of operational performance :- To be mentioned.
03.	Engine Performance	Manufacturer Test Bench Certificate (mentioning Engine number) to be provided for engine during inspection period.
04.	Emission Standard	To be mentioned.
05.	Fuel tank capacity	Minimum 10 Ltrs.
06.	Duration of Operational performance	To be mentioned.
07.	Pump	a) Single stage (Minimum) Centrifugal pump. b) Twin delivery .
08.	Suction Inlet	101.6 mm (4") dia (without adaptor) round thread type (BSS) with Blank Cap.
09.	Delivery Outlet	63.5 m.m (2 $\frac{1}{2}$ ") dia (with out adapter) coupling quick release type (BSS).
10.	Out put Capacity	Minimum 300 IGPM (1300 liters/m) at 7 bar (100PSI).
11.	Manufacturer's performance curve/chart	To be submitted.
12.	Duration of operation (1300 Liters/ min. at 7 bar)	A Certificate regarding optimum performance in hour by manufacturer to be submitted along with the offer.
13.	Pump Casing	(a) Made of gun metal/Aluminum alloy/ Bronze metal. (b) Non-Breakable and non Corrosive metal made Impeller. (c) Strainer made of Copper/stainless steel.
14.	Priming system	Vacuum exhaust gas ejector system./Automatic priming system.
15.	Starting system	Starter motor and pulley rope system/Electric starting system.
16.	Operating system	Magneto/Alternator (12 volt) and battery system.
17.	Suction head	7 meters (Minimum).
18.	Carrying system	Fitted with 4 fold arms carrying handle.
19.	Frame	Stainless steel/High strength metal frame.
20.	Weight	Dry Weight : 130 kgs (Maximum) Operational Weight : 160 kgs (Maximum) (including fuel, lubricant & coolant etc).
21.	Auxiliary connection	The pump unit should be fitted with a standard 2 pin plug. Which can be used either to power auxiliary equipment. e.g. floodlights, or can be used for charging the battery from an external charger.
22.	Tools and accessories for each pump:-	
	a) D.E Spanner (8pieces in a set) (8-32m.m.)	= 01 Set.
	b) Screw driver Flat (6")	= 01 No.
	c) Plier 6"	= 01 No.
	d) Adjustable wrench (8")	= 01 No.
	e) Plug wrench 2 way	= 01 No.
	f) Suction wrench	= 01 Pair
	g) Suction hose with coupling (101.6 mm dia) 8" in length	= 03 Pieces.
	h) Metal strainer	= 02 Nos.
	i) Parts Catalogue	= 01 Set.
	j) Service Manual	= 01 Set.
	k) Operation Manual	= 01 Set.
	l) One/Two detachable or foldable wheel assembly for easy man handle	= 01 Set.
	m) Mast and flood light set	= 01 Set.
	n) Hour recorder and battery condition meter fitted with pump	= 01 Set.
	o) Battery Charger	= 01 Set.

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23.	Guarantee for Spare parts	a) A list of essential & fast moving spare parts for whole vehicle along with price & pat.cat. no. must be submitted. Price escalation should not be more than 5% per year. Provide guarantee certificate that next 15 years, spare parts. will be available.	
		b) After Guarantee & Warranty period, supplier have to provide uninterrupted servicing & supply of spare parts for next 15 (Fifteen) years on payment terms.	
24.	Software	a) Supplier have to provide the user (FSCD) all required operating and trouble shooting software (When Applicable).	
		b) After Guarantee & Warranty period, supplier have to provide uninterrupted servicing & supply of software for next 15 (Fifteen) years on payment terms.	
25.	Servicing Center in Bangladesh	a) Suppliers/Local agent should be able to provide servicing operation/service center of Vehicle/Equipments in minimum 04 (Four) locations of the country, mainly Dhaka, Chattogram, Rajshahi & Khulna.	
		b) The bidder/local agent must have their own service center in purchaser/user country. The list of engineers and technicians along with the qualification and the service center trade licenses etc. must be attached with the offer.	
26.	Fast Moving Essential spare parts	<p>Fast Moving Essential spare parts to be supplied along with each pump as per list. The rate per unit of spare parts mentioning the parts nos. must be quoted separately along with the offer. The item & quantity of fast moving spare Parts in the list may be increased/decreased/ dropped for adjustment of fund.</p> <p>i) Oil filter = 04 Nos. ii) Fuel filter = 04 Nos. iii) Water pump kit = 02 Kits. iv) Engine Management Control Unit/Engine Electronic Control Unit/C.D.I Unit (If Applicable) = 02 Nos. v) Regulator/Rectifier Unit (If Applicable) = 02 Nos.</p>	
27.	Documents (Original to be provided)	a) Operational Manual = 01 Set	
		b) Service Manual & Workshop Manual = 01 Set	
		c) Parts Catalogues = 01 Set	
28.	Warranty & Guarantee	Warranty & Guarantee of trouble free operation is to be given for the supplied item for the specified Period of time (Item based) from the date of acceptance by the end user.	
29.	Engine Certificate	Supplier must provide Engine manufacturer certificate for supplying Engine, spare parts and all these documents/certificates must have tracking /Identity number which can be checked & verified through web-site.	
30.	Manufacturer Standard	The manufacturer must certify to quality standards like ISO/JIS/DIN/BSS/ASTM/EN/EUCS/NFPA standard with Specific designation.	
31.	Country of Origin	Japan/USA/UK/Australia/Canada/Newzealand & EU countries.	
32.	Country of Origin of Accessories	All Accessories have to be from country of origin, Japan/USA/UK/Australia/Canada/Newzealand & EU countries.	
33.	Reference of technical specification.	All technical specification mentioned above should be referred in the catalogue/brochure/reference documents with the SL. no. of Technical Specification as mentioned against each specification.	