



Bid Number/बोली क्रमांक (बिड संख्या):
GEM/2023/B/3989761
Dated/दिनांक : 21-09-2023

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	03-10-2023 12:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	03-10-2023 12:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	180 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Defence
Department Name/विभाग का नाम	Department Of Defence Production
Organisation Name/संगठन का नाम	Garden Reach Ship Builders And Engineers Limited (grse)
Office Name/कार्यालय का नाम	*****
Total Quantity/कुल मात्रा	2
Item Category/मद केटेगरी	Diesel Driven Trailer Fire Pumps (Q3)
MSE Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से एमएसई छूट	No
Startup Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से स्टार्टअप छूट	No
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Certificate (Requested in ATC),OEM Authorization Certificate,Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	Yes
RA Qualification Rule	H1-Highest Priced Bid Elimination
Type of Bid/बिड का प्रकार	Two Packet Bid
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	2 Days
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
Evaluation Method/मूल्यांकन पद्धति	Total value wise evaluation

EMD Detail/ईएमडी विवरण

Advisory Bank/एडवाइजरी बैंक	State Bank of India
EMD Amount/ईएमडी राशि	50000

ePBG Detail/ईपीबीजी विवरण

Advisory Bank/एडवाइजरी बैंक	State Bank of India
ePBG Percentage(%) /ईपीबीजी प्रतिशत (%)	10.00
Duration of ePBG required (Months)/ईपीबीजी की अपेक्षित अवधि (महीने).	20

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy./जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित केटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज़ प्रस्तुत करने हैं। एमएसई केटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable./ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए।

Beneficiary/लाभार्थी :

Garden Reach Ship Builders and Engineers Limited

ePBG to be submitted as per the standard format to be collected from GRSE. No other format will be accepted. Vendor has to upload ePBG as per GRSE format on GeM portal to enable them to initiate the billing activities on GeM.

(43/46 Garden Reach Road, Kolkata-700024)

Splitting/विभाजन

Bid splitting not applied/बोली विभाजन लागू नहीं किया गया.

MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता	Yes
--	-----

MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes
---	-----

1. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum

local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023.

[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.

2. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer)of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25%(selected by Buyer) percentage of total QUANTITY.The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023

[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.

3. Reverse Auction would be conducted amongst all the technically qualified bidders except the Highest quoting bidder. The technically qualified Highest Quoting bidder will not be allowed to participate in RA. However, H-1 will also be allowed to participate in RA in following cases:

- i. If number of technically qualified bidders are only 2 or 3.
- ii. If Buyer has chosen to split the bid amongst N sellers, and H1 bid is coming within N.
- iii. In case Primary product of only one OEM is left in contention for participation in RA on elimination of H-1.
- iv. If L-1 is non-MSE and H-1 is eligible MSE and H-1 price is coming within price band of 15% of Non-MSE L-1
- v. If L-1 is non-MII and H-1 is eligible MII and H-1 price is coming within price band of 20% of Non-MII L-1

Diesel Driven Trailer Fire Pumps (2 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/कमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

Technical Specifications/तकनीकी विशिष्टियाँ

Buyer Specification Document/क्रेता विशिष्टि दस्तावेज़	Download
--	--------------------------

Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	*****	*****KOLKATA	2	90

Buyer Added Bid Specific Terms and Conditions/क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें

1. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

ITEM SL. N O.	DESCRIPTION	QUANTITY
	<p style="text-align: center;"><u>Diesel Driven Trailer Fire Pumps for FOJ</u></p> <p>TECHNICAL SPECIFICATION FOR TRAILER MOUNTED DIESEL DRIVEN FIRE PUMP - 1800 LPM. (with DUAL Priming System).</p> <p>SCOPE OF WORK:</p> <p>Design, Fabrication, Supply & Commissioning of Trailer Fire Pump considering basic requirements in IS 944/1979(latest revision).</p> <p>1. GENERAL REQUIREMENT:</p> <p>(i) The Trailer Mounted Diesel Driven Fire Pump shall consist of a pump of capacity not less than 1800 LPM @ 7kg/cm²; driven by an Internal Combustion Engine. The combine unit being permanently mounted on a trailer with the pump at rear, and shall be capable of being towed to safety by a standard vehicle and provided with an Exhaust Ejector Primer. Centrifugal Fire Pump (with Automatic Reciprocating Primer) shall be directly coupled with Diesel Engine through a flexible coupling, complete as per clause 4.3 of IS 944/1979, latest version.</p>	

(ii) The overall dimension shall not exceed (L x H x Wheel Track): 3.3 x 1.6 x 1.4 meter.

2. FIRE PUMP:

TYPE Single Stage Centrifugal Fire Pump with 1 Suction and 2 Deliveries fitted with Automatic Reciprocating Priming.

CASING GUNMETAL / S.S.

IMPELLER GUNMETAL, IS: 318 LTB2.

VOLUTE GUNMETAL, IS: 318 LTB2.

PUMP SHAFT SS 304.

SEAL SELF ADJUSTING MAINTAINANCE FREE MECHANICAL CARBON SEAL.

PRIMER AUTOMATIC RECIPROCATING PRIMER CAPABLE OF LIFTING FROM 7 METERS WITHIN 24 SEC.

OUTPUT 1800 LPM @ 7KG/CM2 AT NTP CONDITIONS AS PER IS 944.

SUCTION 100 MM ROUND THREADED AS PER IS 902. (S.S.)

DELIVERY 2X63 MM WITH FEMALE INSTANTENOUS COUPLING.(S.S.)

EXHAUST EJECTOR PRIMER Gunmetal, IS: 318 LTB2.

STANDARD IS 944.

(i) The pump capacity shall not be less than 1800 LPM at 0.7 kg/cm², when tested from 3 meters suction height at NTP conditions (Considering allowances as per IS 944, wherever applicable).

(ii) The Impeller shall be dynamically balanced. The pump shall show no leakage when subjected to a hydraulic pressure of 21 Kg/cm².

(iii) The Stainless Steel pump shaft shall be carried in anti-friction bearings.

(iv) Make of Pump shall be Newage /AAAG/ Allied/ Firefly or Equivalent.

(v) Pump shall have two delivery valves with 63 mm female instantaneous delivery couplings and blank caps. An arrangement shall be made to relieve the back pressure of delivery hose for easy removal of hose from coupling.

(vi) All the parts, nut-bolts etc. of pump which comes in water contact shall be made of anti-corrosive material.

3. PRIMER:

(i) The pump shall be fitted with Automatic Reciprocating Priming for easy and reliable working during operation. The primer shall be capable to lift water from 7 metre within 24 seconds as per NPT conditions.

(ii) The priming system shall be fully-automatic in action. It shall not require any manual operation from the part of the pump operator other than throttling the engine, once the pressure is achieved in the pump. Primer activation and deactivation shall be directly controlled by pump pressure.

(iii) Priming system driven by any external belts/chain is not acceptable.

4. ENGINE:

(i) Engine shall be 4- stroke, 4-cylinder Water Cooled Diesel Engine generating a Minimum of 60 HP.

(ii) Engine Serial number and Engine Manual of Engine OEM shall be submitted along with supply.

(iii) Engine shall be electric start type with Battery 12 Volt with suitable Ampere as per Engine OEM, fitted with Generator/Alternator of sufficient capacity for charging the battery.

(iv) An Indirect Cooling System of the open-circuit type in which water is discharged to waste shall be provided so that engine temperature is maintained in range of temperature recommended by engine manufacturers.

(v) The engine exhaust shall be arranged to discharge, as far as possible, away from the pump-operating position.

(vi) The engine fuel tank and water tank shall be protected

by a suitably designed cover so arranged as to give easy access to the engine for operational purposes without removing the whole cover. Filling orifice cap shall have locking arrangement with key.

(vii) An emergency cut-off switch shall be fitted to disconnect the battery from circuit without removing the battery cables from battery.

(viii) Engine & Pump both shall be mounted on heavy duty anti-vibration mounts to have vibration free operation.

(ix) Make of Engine shall be TATA/Ashok Leyland/ Mahindra or Equivalent.

5. FUEL SYSTEM:

(i) A fuel tank of adequate capacity for a minimum continuous run of 2 hours without refuelling. Tank capacity should not be of less than 40 litres with graduated dipstick.

(ii) The filling orifice of ample size shall be positioned away from the exhaust pipe and shall be accessible without removing the engine covers.

6. TRAILER:

(i) Suitable mild steel section incorporated with semi elliptical springs and Axle and complete as per clause 4.7 of IS 944.

(ii) Heavy Duty Tyres 600 x 16 with 06 ply shall be provided. Tyres should be of reputed make.

(iii) Chassis made from suitable M.S. rolled steel channel of height not less than 70mm.

Trailer shall be fabricated from IS - 2062 Mild Steel Channel Beam & Angle.

(iv) Spring loaded Towing hook (forged) should be provided, with brake mechanism. Towing eye of minimum 75mm internal diameter and a height adjustable draw bar shall be

1

provided for the unit.

02 EA

(v) Ground clearance at the lowest point of axle shall not be less than 230 mm.

(vi) Rigidly supported forward /rear adjustment 04 nos. drop legs as parking jacks. Two folding type draw bars shall be provided at the front for manual hauling of the TFP.

(vii) Well louvered canopy made of Mild Steel shall be provided. Doors of canopy shall have sufficiently size to carry out necessary maintenance activity without any obstruction. There shall be filling and drain ports of suitable size for Engine oil and coolant.

(viii) There should be Stands for Stowing and to carry suction hoses along with arrangement to carry equipment and the whole Unit shall be compact and pump shall be so mounted as to bring Centre of Gravity, as low as possible.

7. INSTRUMENTS & CONTROLS:

The pump panel provided above the pump shall include the following:

(i) Ignition Switch;

(ii) Throttle Control;

(iii) Ammeter;

(iv) Compound Gauge calibrated as follows: Vacuum - 0 to 760 mm Hg.

(v) Pressure Gauge, calibrated from 0 to 16 Kg/cm²;

(vi) Temperature Gauge;

(vii) Oil Pressure Gauge;

(viii) Pump and Pump Panel Light;

(ix) Fuel Contents Gauge;

(x) Light Switch: FOR HEAD LIGHTS FOR THE TRAILER.

(xi) Engine Battery condition Indicator/Meter.

(xii) Engine overheat protection.

(xiii) Engine low lube oil pressure protection.

(xiv) Emergency stop button.

(xv) RPM meter.

(xvi) Run time meter.

8. BODY WORK:

A suitably designed cover in two halves shall protect the engine, fuel tank, fan and radiator. Hinged at the top, can be opened from both sides and shall be so ranged to give easy access to the engine for operational purpose without removing the whole cover. The engine cover shall be louvered so as to permit adequate air circulation. The battery shall be easily removable and held properly so that it is not displaced during towing. The engine cover shall be made from heavy-duty MS Sheets.

9. WORKMANSHIP AND FINISH:

All parts of the appliance shall have good workmanship. Trailer & base frame shall be painted in black colour. The appliance shall be painted in fire red colour conforming to Shade No. 536 of IS.

10. MARKING:

The trailer pump shall be clearly and permanently marked with the following information:

- (i) Manufacturer's Name and Trade-mark.
- (ii) The output capacity of the pump in liter/min.
- (iii) Engine Make and Model.
- (iv) Engine Serial Number.
- (v) Sl. No. of the Pump.
- (vi) Weight of the Pump Set.
- (vii) Year of Manufacture.

11. ACCESSORIES for the Trailer Fire Pump:

S.no Item Qty.

1 PVC Suction Hose 100 mm 2.5 mtr., each fitted with Gun Metal round threaded coupling as per IS: 902 02

2 Suction Strainer 100 mm (G.M.). 01

3 Basket Strainer for 100 mm dia. with canvas cover. 01

4 Suction Wrench (universal). 02

5 RRL Hose Type 'III' 63mm 15 mtr. with SS Coupling. 02

6 Short Branch Pipe made of SS. 01

7 Tool Kit (comprising of all essential tools required for maintenance of pump).

01

8 Jack (02 Ton). 01

9 Operation & Maintenance Manual. 02

10 Attached Tool Box With lock n Key facility. 04

11 Water Proof Canvas Cover. 01

12 Suction Hose Washer. 20

13 Spare 12 V Battery (13P, 180 Ah) 01

12. Pre-dispatch Inspection Stages:

Inspection of the Trailer Fire Pump (pre-dispatch) shall be in Single or in Two Stages, as per convenience, as follows:

-

1st Stage - After (i) Fabrication, Erection of Chassis;
(ii) Fabrication & Mounting of Super Structure;
(iii) Mounting of Pump, Engine & Gauges;
(iv) Oil Tank, and Sheet Metal Work before Painting.

2nd Stage - Final Inspection and Acceptance Tests.

13. Warranty & Guaranty:

Warranty & Guarantee 12 Months from the date of Supply/ date of Commissioning, whichever is later.

Vendor has to submit (in duplicate)

(a.) Engine Manual

(b.) Pump Manual.

Besides above, Warranty / Guarantee/ Calibration Certificates of

(a.) All Pressure Gauges & Meters.

(b.) PVC Suction Hoses/ RRL Hoses

to be furnished.

14. Post Warranty Support Service including Spares:

Vendor is to ensure & undertake that they will render post warranty support service for a minimum period of 5 years after lapse of warranty period.

Vendor has to supply a List (with Price details) of Fast Moving Spares (Essential Spares) of Engine, Pump & Primer, at the time of supply.

15. Delivery of Trailer Fire Pump:

Trailer Fire Pump is to be delivered to the "Stores Department" of M/s Garden Reach Shipbuilders & Engineers Ltd., (A Govt. of India U/T, under Ministry of Defence) Fitting Out Jetty Unit (F.O.J. Unit), P-70, Karl Marx Sarani, Kolkata -700043.(Opposite to Alif Nagar Fire Station).

NOTE :-

- In the event of conflict between the terms & conditions in this NIT and the SOTR, the terms & conditions given in this NIT will prevail.
- Payment will be released against regularising GRSE SAP purchase order. In the event of conflict between the terms & conditions of the GeM contract and the GRSE SAP purchase order, the terms & conditions as given in the GRSE SAP purchase order will prevail.
- Bidders are requested to go through all the clauses / terms of the NIT / tender enquiry before submitting their bids.
- The rates in the GeM portal are generally inclusive of GST. Bidders are requested to quote accordingly and to indicate the percentage of GST applicable in their bid.
- In the event EMD is applicable, the same is to be sent in an envelope, clearly indicating the Tender Reference and Due Date, to the tendering authority so as to reach before the

tender opening date and time. GRSE shall not be responsible for postal delays, etc. Bids/ Offers submitted without EMD within specified date and time will be treated as non-responsive and summarily rejected. Scanned copy of the EMD is to be attached along with the techno-commercial bid.

for GARDEN REACH SHIPBUILDERS & ENGINEERS LTD. (A Govt. of India Enterprise, under the Ministry of Defence),

(Partha Sarathi Bose)

Sr. Manager (Materials | Purchase)

Regd. & Corp. Office : 61, Garden Reach Road, Kolkata - 700 024.

Correspondence : Commercial Department, New Building Complex (1st Floor), GRSE Main Unit , 43/46 Garden Reach Road, Kolkata - 700 024.

Phone : (033) 2469 8100-14; extn. 6049 || Email : Bose.ParthaSarathi@grse.co.in

Website : www.grse.in || CIN : L35111WB1934GOI007891.

2. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

3. **Generic**

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 50 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 50% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

4. **Buyer Added Bid Specific ATC**

Buyer uploaded ATC document [Click here to view the file.](#)

Disclaimer/अस्वीकरण

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. Any clause(s) incorporated by the Buyer regarding following shall be treated as null and void and would not be considered as part of bid:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.

2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process.
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

[This Bid is also governed by the General Terms and Conditions/ यह बिड सामान्य शर्तों के अंतर्गत भी शासित है](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws./जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।

---Thank You/धन्यवाद---