



Bid Number/बोली क्रमांक (बिड संख्या):
GEM/2024/B/5158512
Dated/दिनांक : 10-09-2024

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	20-09-2024 14:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	20-09-2024 14:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	60 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Steel
Department Name/विभाग का नाम	Steel Authority Of India Limited
Organisation Name/संगठन का नाम	Alloy Steel Plant
Office Name/कार्यालय का नाम	Materials Management Department
Total Quantity/कुल मात्रा	2
Item Category/मद केटेगरी	Fire Breathing Apparatus (SCBA - EN 137) (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	Past Performance *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
Do you want to show documents uploaded by bidders to all bidders participated in bid?/	Yes
Past Performance/विगत प्रदर्शन	50 %
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	No
ITC available to buyer/क्रेता के लिए उपलब्ध आईटीसी	Yes
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

Bid Details/बिड विवरण**Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)**

No

Evaluation Method/मूल्यांकन पद्धति

Total value wise evaluation

EMD Detail/ईएमडी विवरण

Required/आवश्यकता

No

ePBG Detail/ईपीबीजी विवरण

Required/आवश्यकता

No

MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता

No

Reserved for MSE

Reserved for MSE

Yes

1. Procurement under this bid is reserved for purchase from Micro and Small Enterprises having valid Udyam Registration and whose credentials are validated online through Udyam Registration portal. If the bidder wants to avail themselves of the reservation benefit, the bidder must be the manufacturer / OEM of the offered product on GeM. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible to participate in this bid. 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, and Buyer will decide eligibility based on documentary evidence submitted, while evaluating the bid. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

2. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

3. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 50% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

Fire Breathing Apparatus (SCBA - EN 137) (2 pieces)**Technical Specifications/तकनीकी विशिष्टियाँ**

* As per GeM Category Specification/जेम केटेगरी विशिष्टि के अनुसार

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
Material and Components	Types of Pressure Gauge	Bourdon pressure gauge with luminescent dial analog type
	Air Cylinder material (Non Corrosive)	Carbon composites with Aluminium alloy liner
	PESO approval Type for cylinder	Type 2
	Cylinder Valve	The cylinder valve should be both hand operated, perpendicular to cylinder but should not protrude beyond cylinder width, having safety device to prevent accidentally closure of valve.
	Second-Man Attachment	Yes
	Indication in case of Digital Pressure Gauge, Digital cum Mechanical Pressure Gauge	NA for Bourdon pressure gauge with luminescent dial analog type)
	Back Plate design	Height Adjustable back plate
PERFORMANCE	Water Capacity of Breathing Apparatus Cylinder	6.8 (liter)
	Charging Pressure	251 to 300 Bars
CERTIFICATION	Warranty / Guaranty	1.0 (year)

Input Tax Credit(ITC)/इनपुट कर क्रेडिट(आईटीसी) and/ तथा Reverse Charge(RCM)/रिवर्स प्रभार (आरसीएम) Details

ITC on GST/जीएसटी पर इनपुट कर क्रेडिट	ITC on GST Cess/जीएसटी उपकर कर क्रेडिट
100%	NA

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	Manjai Madhawa	713208,Alloy Steels Plant Durgapur	2	30

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

1. Generic

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 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 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

2. Generic

Bidder shall submit the following documents along with their bid for Vendor Code Creation:

- a. Copy of PAN Card.
- b. Copy of GSTIN.
- c. Copy of Cancelled Cheque.
- d. Copy of EFT Mandate duly certified by Bank.

3. Buyer Added Bid Specific ATC

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

4. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

ATTACHED ANNEXURE OF DETAILED PRODUCT SPECIFICATION IS TO BE UPLOADED DULY SIGNED AND SEAL , WITH QUOTATION , AS ACCEPTANCE.

I. SCOPE OF SUPPLY:

a) Carbon Composite Self-Contained Compressed Air Open Circuit Breathing Apparatus Set complete with Carbon Composite Fiber Cylinder (as per clause 1 to 18)

b) Spare Carbon Composite Cylinder (as per clause 16)

Price to be quoted inclusive of both items.

1. The specification prescribes requirements of design, performance and practical test for Open Circuit type Breathing Apparatus.

2.1 General requirement

2.1.1 self-contained breathing apparatus (SCBA), ergonomically designed, light weight glass and carbon filled nylon composite back plate and intrinsically flame retardant 100% Kevlar webbing and 3 padded harness. Cylinder band should be made up of 100% Kevlar. Two stage pneumatic systems comprising positive pressure demand valve with hands free bypass facility, vision 3 face masks with more than 85% field vision and scratch resistant polycarbonate visor should be provided. Warning whistle should have an operating pressure of 55 bars. First stage pressure reducer with single high pressure cylinder connector with steel braided hose. The Apparatus is to be supplied CCE approved 6/6.8 ltrs, 300 Bar high pressure carbon composite cylinder (duration-45/46 mins).

2.1.2. The unit is to be provided as attached with automatic distress signal unit capable of giving analogue and digital reading of the pressure.

2.1.3. Low pressure alarm and ADSU featuring a motion sensor which gives alarm if the user is motionless for

or 30 seconds.

2.1.4. The BA set has to be CE approved, as per EN137 Class II 2006 standard.

2.1.5. The compressed air breathing apparatus shall be so designed so that the wearer can breathe comfortably, without any risk of poisonous gases entering the breathing circuit. The breathing circuit should be designed so that there is optimum utilization of compressed air stored in the cylinder during fire-fighting and rescue operations. The set as a whole shall be so designed so that the handling of the set is easy and does not cause any damage to the set. The set shall be capable of being used with cylinders having working pressure up to 300 bars at least. The BA set should have no air losses. No toxic matter can enter the mask back plate should be ergonomically designed for comfort and stability and there should be provision of connection between wearers.

2.2 MATERIAL

2.2.1. All the materials used in the construction shall have adequate mechanical strength, durability and resistance to deterioration by heat or by contact with seawater or plain water. Such materials shall be antistatic and fire resistant as far as practicable.

2.2.2. Exposed parts excluding cylinders, that is, those, which may be subject to impact during practical performance tests, shall not be made of magnesium, titanium, aluminium or alloys containing such proportions of these metals which on impact give rise to frictional sparks capable of igniting flammable gas mixtures.

2.2.3. Materials that may come into contact with the skin shall be non-staining soft, pliable and shall not contain dermatitis substances.

2.2.4. The apparatus shall be sufficiently robust to withstand the rough usage; it is likely to receive in service and designed so that it will continue to function satisfactorily while temporarily accidentally submerged in water at a maximum depth of one meter and thereafter until the air in the cylinder is exhausted.

2.3 SEPARATION OF PARTS

The design and construction of the apparatus shall permit its components parts to be readily separated for cleaning, Examination and testing. The couplings required to achieve this shall be readily connected and secured, where possible by hand, and means for sealing used shall be retained in position when the joints and couplings are disconnected during normal maintenance.

2.4 ADJUSTABLE PARTS

All parts requiring manipulation by wearer shall be readily accessible and easily distinguishable from one another by touch. All adjustable parts and controls shall be so constructed that their adjustment is not liable to accidental alteration during use.

2.5 WEIGHT

The weight of the apparatus shall not exceed 12.5 Kg. The cylinder used for compressed air should have approval of Chief Controller of Explosives.

2.6 LEAK TIGHTNESS

The apparatus shall be of positive pressure type so as to prevent ingress of the external atmosphere. There should be no leakage from any joint.

3.0 FACE MASK

3.1 The face mask should be made either of Neoprene or Silicone. The air inlet valve should connect to the mask by simply clipping on the enable wearer to switch on the positive pressure at the last minute.

3.2 face mask shall cover the eyes, nose, mouth and chin, it shall be provided with an additional flap for providing adequate sealing on the face of the wearer of the breathing apparatus against the outside gas, when the skin is drying or moist, when the head is moving and when the water is peaking.

3.3 The face mask shall have an inner mask to reduce misting and dead space so that the mask is always remain at the center.

3.4 Face mask shall be secured to the face by means of an adjustable/replaceable head harness and they shall be fitted with a neck strap to support them when not being worn. There shall be five head harness but

one strap, i.e., the top one should be prefixed.

3.5 Means for speech transmission shall be incorporated and so designed that it is in front of the mouth.

3.6 The face mask shall be constructed of silicon rubber in order that it is soft, light in weight, comfortable to the wearer to wear for long duration, resistant to chemicals and heat, thus having longer life.

3.7 The connection for demand valve shall be provided in front of the Face Mask.

3.8 The visor shall be made of clear polycarbonate.

4. FACE CONNECTOR

The connection between the face mask and the demand valve shall be of Click-on/Push fit type well secured so that, the set is having fully automatic positive pressure, there is optimum utilization of compressed air stores in the cylinder and the mask by mistake is not used with a filter canister.

5. HEAD HARNESS

The head harness shall hold the face mask firmly and comfortably in position. It shall be moulded from silicon rubber. It should be easily detachable for cleaning and decontamination. There shall be five quick release harnesses out of which only 4 shall need to be tightening with the 5th, i.e., top one shall be prefixed to ensure quick donning and center placing of mask while wearing.

6. BODY HARNESS

The body harness shall be designed to allow the user to don the apparatus quickly and easily without assistance and shall be adjustable for fit. Buckles fitted to waist and shoulder harness shall be so constructed that once adjusted they will not slip.

7. EXHALATION VALVE.

The apparatus shall be provided with an unidirectional exhalation valve spring loaded to maintain positive pressure in the face mask. The resistance of the valve should not exceed 6 milli bars, it shall be protected against dirt and mechanical damage.

8. DEMAND VALVE

It shall be fully automatic positive type. Designed to provide a flow rate of at least 50 ltrs/min at all cylinder pressure above 20 bar. It shall be designed to push fit/click on mask.

9. HIGH PRESSURE TUBE.

It shall be having outer covering of neoprene rubber. The test pressure of the tube shall be above 600 bar. It shall be fitted to the set in a manner that it cannot be separated by hand. The entire high pressure tube shall be covered by a medium pressure tube having medium pressure supply for safety reasons.

10. MEDIUM PRESSURE TUBE

It shall be having outer covering of neoprene rubber. The test pressure of the tube shall be above 20 bar. It shall be so designed that it can be separated by hand and cannot be fitted at the joints where High Pressure Tube is fitted.

11. PRESSURE GAUGE

11.1 It shall indicate the pressure on the opening of the cylinder. The range shall be 0-350 bars. It shall be placed that the wearer can easily see the pressure while using the set.

11.2 The pressure gauge shall have a blowout release. The blowout release should be so located that in the event of an explosion or fracture of the pressure element of the gauge, the blast will be away from the front. The gauge window shall be made of material of non-splintering glass or of clear plastic materials.

11.3 A tap or restrictor shall be provided so that if pressure gauge and connection hose are removed from the apparatus, flow will not exceed 25 lit/min at full cylinder pressure, if the gauge or flexible connecting tube be damaged after the apparatus has been functioning for a period of time equal to half the nominal working duration with an air consumption of 40 l/min the loss of air from the damaged component shall not reduce the normal effective duration of the apparatus by more than the reserved period.

12. WARNING DEVICE

The apparatus shall be provided with warning whistle next to the pressure gauge It shall be consuming minimum amount of compressed air and should emit continuous at least 90 dbls sound.Warning whistle next to pressure gauge enables the user to ascertaining the whistle and can check the same.

13.BACK PLATE

It is to be made of light weight glass and carbon filled nylon composite back plate and intrinsically flame retardant 100% Kevlar webbing and 3 padded harness. Cylinder band should be made of 100% Kevlar.

The back plate shall be so designed that the user can lift the set by having firm grip of back plate in order to avoid lifting of set from cylinder valve or body harness.The method of fixing cylinder shall be such that 4, 6 and 9 liter cylinder of working pressure 200/207/300 bar can be fitted without any alteration.

14.PRESSURE REDUCER

The apparatus shall be provided with diaphragm less piston pressure reducer which is capable of reducing pressure from 300 bars to 7 bar(approx..)The design shall be such that back pressure development shall be minimum , second inlet/outlet shall be provided on the reducer.

15.ADSU

Should be made of solid state technology-infrared motion sensor with no internal contacts to wear out.

Should be provided with long life lithium magnesium dioxide batteries.

Should have loud minimum 90 decibel alarms

16.GAS CYLINDER AND MAIN VALVE

Cylinder shall be of carbon composite having 6/6.8 liter water capacities,300 bar working pressure 1800 liters compressed air for 45/36 minutes duration.The cylinder & valve should be approved by Chief Controller of Explosive , Nagpur, India.

17.PACKING

6 / 9 The breathing apparatus shall be packed in hard bag moulded plastic or FRP.

18.MARKING

The trademark of manufacturers identification shall be marked on the facemask, demand valve, pressure reducer and back plate .The serial number of the set and the date of manufacturing shall be marked on the back plate.

II.Special Instructions

1.The bidders should be manufacturers or their authorized dealers having authorization from the manufacturer.ASP shall place order directly as manufacturer of the equipment.

2.The bidders must provide testing facilities at their workplace of manufacturer only.Supplier should give inspection call to ASP with sufficient time.

3.The manufacturer must have valid license for the item.

III.INSPECTION

Pre-Dispatch Inspection (PDI) of CISF & management representative shall be carried out at work place of manufacturer.

1.The tenderer shall indicate the make /model in their offer.

2.The tenderer shall furnish the clause-by-clause compliance statement. In case there is any deviation of the same should be clearly brought out in the offer.

3.They shall mention BIS/EN/DIN/UL certificate of the product offered.

4.Technical manual comprising of servicing details shall be supplied with the system.

5.Relevant Test certificates shall be provided from a Govt. approved laboratory or from the manufacturer , along with their offer.

IV. Tenderers to note:

a)As per Preference to Make in India order, purchase preference will be applicable only for vendors having minimum 50 % local content ,whereas participation in the current tender will be restricted to class I and Class II vendors ,i.e.,vendors having minimum local content of 20%.

b)Material will be accepted against submission of Manufacturer's T/c & G/c sent along with the supply.Warranty of one or more year is acceptable.

V.Risk Purchase -

If the supplier fails to deliver the stores either in full or in part, within the prescribed delivery period, the Purchaser shall be entitled at his option to take alternate procurement action, at the risk & cost of the supplier for the unsupplied portion of the goods/items for which delivery has expired without cancelling the contract in respect of stores not yet due for delivery, or to cancel the contract based on progress of work , including stores not due for delivery, and, if thought fit/ necessary, to purchase the stores at the risk and cost of the supplier.The price differential in case of higher cost to SAIL,if any, shall have to be borne by the defaulting supplier. Moreover the defaulting supplier shall have no claim over the quantity, which they failed to supply.

VI. Banning of Business Dealings:

On arising any situation or occurrence of any event as mentioned in Clause 6 of the Guidelines on Banning of Business Dealings available on SAIL Tender website (www.sailtenders.com,the tenderer/bidder or supplier under the tendering process or contract with SAIL, as the case may be , shall be liable for action under and in accordance with the aforementioned Guidelines. The "Guidelines on Banning of Business Dealings" shall form part of the Tender/Contract.

5. **Generic**

Manufacturer Authorization:Wherever Authorised Distributors/service providers are submitting the bid, Authorisation Form /Certificate with OEM/Original Service Provider details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid

6. **Generic**

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

7. **Generic**

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

8. **Generic**

Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:

- i) The Seller fails to comply with any material term of the Contract.
- ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
- iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
- iv) The Seller becomes bankrupt or goes into liquidation.
- v) The Seller makes a general assignment for the benefit of creditors.
- vi) A receiver is appointed for any substantial property owned by the Seller.
- vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

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. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

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. (However, in bids for [attached categories](#), trials are allowed as per approved procurement policy of the buyer nodal Ministries)
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---