

INVITATION OF EXPRESSION OF INTEREST (EOI) FOR NDRF EQUIPMENT

1. NDRF is the lead federal force responsible for responding to all types of natural and man-made disasters. NDRF acknowledges the importance of having reliable equipment to enhance the efficiency and effectiveness of rescue operations.
2. NDRF now intends to procure **BA Set with spare cylinder** for the NDRF Teams. Accordingly, NDRF has prepared a draft technical specification for the **BA Set with spare cylinder** required to enhance the efficiency and effectiveness of rescue operations. The draft specifications are appended as **Appendix- A**.
3. In this context, NDRF invites Expressions of Interest (Eoi) from eligible manufacturers, suppliers and vendors to submit their comments and suggestions. In case these specifications do not match with the available equipment in the market, the same may be highlighted and the specification of the equipment available in the market may kindly be provided with the same functionality. The purpose of the Eoi document is to provide necessary information to NDRF so that genuine and generalized specifications can be framed and finalized for further procurement, and no gap exists in the specifications of the items available in the market out the specifcness floated in the bid by NDRF.
4. This EOI is not an offer by NDRF or a tender document but it is an invitation to receive responses from eligible manufacturers, suppliers, and vendors in the industry the draft specification framed by NDRF.
5. Eligibility Criteria: The minimum eligibility criteria for an entity to participate in the Eoi is as follows: -
 - i. The entity must be a manufacturer or vendor/supplier/dealer registered in India under relevant applicable Acts and Laws.
 - ii. The entity must have some experience in the supply of such equipment.
 - iii. NDRF may call manufacturers, suppliers and vendors to conduct the demonstration/field trial of such equipment if needed before finalizing the specification
7. Documents to be submitted: The following documents are required to be submitted as part of the response to this Eoi.
 - i. Documents supporting Eligibility Criteria as mentioned above.
 - ii. List of equipment catalogue with detailed technical specifications along with estimated cost if possible.
6. Eligible manufacturers, suppliers and vendors who have the competence and experience to carry out such work are requested to submit the suggestion/comments (Eoi) along with supporting documents within 21 days.

-Important timelines-

Event	Timeline
Last date of submission of responses	Within 21 Days



17.02.26

(Manmeet Singh Azad)
DC (R&D)
HQ NDRF

No. 1-17018/R&D/SRC/HQ NDRF/2025-100

Dated 17/02/2026

Draft specifications of BA Set with spare cylinder

SN	Proposed Technical Specifications	Proposed Trial Directives
1.	<p>General: - A Breathing Set with spare cylinder (or SCBA) is personal protective equipment designed to provide respiratory protection in environments where the air quality is compromised. It is used by rescuers where the presence of hazardous gases, smoke, or lack of oxygen poses a significant threat to human health.</p> <p>The Breathing Set with spare cylinder (or SCBA) comprises a full-face mask, a high-pressure cylinder containing compressed breathing air, a regulator, and other associated components.</p> <p>The face-mask protects from inhalation of harmful substances. The high-pressure tank stores breathable air and the regulator control the flow and pressure of the air supplied to the user.</p> <p>Breathing Apparatus set must be holding EN 137 Type 2 / BIS 10245 (Part 2): 2023.</p>	<p>BOO to check lab test report of EN 137 type 2/ BIS 10245 Part 2: 2023 for BA Set from Govt accredited/NABL-approved lab/ International lab</p> <p>Lab test report must cover the following components: -</p> <ol style="list-style-type: none"> 1. Air Cylinder 2. Pressure Gauge 3. Pressure reducer 4. Back Plate and Body Harness 5. Face Mask (EN 136/ 137 type 2/ BIS 10245 Part 2: 2023/ 14166) 6. Demand Valve 7. Hoses
2.	<p>Air Cylinder:</p> <p>a) Cylinder shall be corrosion and impact resistant and made of Aluminium Cylinder/ Carbon composites with Aluminium alloy liner/ Carbon composites with PET liner.</p> <p>b) Volume of the cylinder: -</p>	<p>a) BOO to check OEM certificate against the requirements outlined in the specifications.</p> <p>b) & c) BOO to physically check the parameter.</p> <p>d) BOO to check the certificates from Chief Controller Explosive / PESO approval for cylinder.</p>

	<p>Volume 6.8 Litre</p> <p>Can be charged at 300 bars pressure. Air cylinder can hold sufficient quantity of air (Not less than 1800 Liters) for providing 45 minutes' total working duration</p> <p>c) The cylinder shall be provided with standard flow valve.</p> <p>d) The cylinder shall be duly approved by the Chief Controller Explosive /PESO shall be capable of withstanding a minimum hydraulic testing pressure of 450 bars.</p>	
3.	<p>Pressure reducer:</p> <p>This shall be so designed so as to meet the air demand at a stable pressure on the outfit with inlet pressure varying from 300 bars to 20 bars.</p>	BOO to physically check the parameter.
4.	<p>Pressure gauge: Digital cum Analogue Pressure Gauge. Features of the Pressure Gauge</p> <p>a) Pressure gauge part should work independently of the Alarm Cum Signalling Unit. In case of non-functioning of Digital Unit, pressure gauge should give warning in case of low air pressure.</p> <p>b) The gauge shall be connected to pressure reducer through non-metallic rubber hose.</p> <p>c) The integrated control unit shall be mounted on the shoulder of the wearer in a way that it is readable to the wearer conveniently.</p>	<p>BOO to physically check the parameter.</p> <p>BOO to check ATEX/ PESO/ Chief Controller Explosive approval for the Digital Pressure Gauge.</p>

5.	<p>a) Warning System: Distress Signal Unit system (either integrated with Digital Pressure gauge or separate) for the purpose of alarm in case there is no movement by rescuer.</p> <p>b) Warning Whistle: Shall be automatic in operation giving audible alarm of in case of low cylinder pressure in the range of 55 +/-5 Bar.</p>	a) BOO to physically check the parameter.
6.	<p>Back Plate and body harness: -</p> <p>(a) Back plate should be made of non - metallic, antistatic material.</p> <p>(b) Material should be impact resistant, chemical & fire-resistant.</p> <p>(c) Back plate should be height adjustable (optional).</p> <p>(d) Padding in the body harness should be comfortable</p> <p>(e) The body harness shall be wearer friendly and safe for carrying load while all buckles shall be quick release type.</p>	BOO to physically check the parameters.
7.	<p>Face Mask: -</p> <ul style="list-style-type: none"> • The facemask to be made of flame-resistant material and seal on the facemask should be designed to reduce the dead space • It should have <i>a wide-angle panoramic vision visor which shall be self-de-misting type.</i> • In facemask, all components shall be easily accessible for easy maintenance and cleaning. • Firms to provide facemasks in universal sizes as per EN/BIS standards that would fit in all shapes and sizes of faces whether small, medium or large. 	<p>For Mask- BOO to physically check the parameters.</p> <p>For Communication system: - BOO to check ATEX/ PESO/ Chief Controller Explosive approval for the Communication system.</p>

	<p>The face mask should have: -</p> <p>i) Compatible communication system (e.g. Bone conduction mic etc.) or an in-built communication system in mask.</p> <p>ii) Communication system shall have a separate PTT button for ease of operation.</p> <p>iii) Communication system should produce clear voice at both ends.</p>	
8.	<p>Demand Valve:</p> <ul style="list-style-type: none"> • The lung operated demand valve design shall either be tilting diaphragm type or piston type. • The demand valve shall be detachable type. • The demand valve shall be rated for minimum 500 LPM airflow and shall activate with the first breath. 	BOO to physically check the parameters.
9.	<p>Hoses:</p> <ul style="list-style-type: none"> • Hoses shall be flexible. • Hose should withstand 30 bar air pressure. • Hose secured to the back plate so as not to obstruct the movement of the wearer. 	BOO to physically check the parameters.
10.	<p>“Y” Manifold for additional connections: This set shall have provision through suitably placed “Y” manifold to facilitate receiving air from a different source (For e.g. Airline trolley)</p>	BOO to physically check the parameter.
11.	<p>Weight: The weight of the ready to use set shall not be more than 14 kgs.</p>	BOO to physically measure the weight of equipment.
12.	<p>Guarantee/ warranty/ Service support: - 02 Year warranty + 08 Year Service support</p>	BOO to check the Undertaking provided by the Firm/OEM.

13.	MANUALS: - The following should be provided with the equipment i) User Operation Manual/Technical Manual ii) Maintenance manual	BOO to physically check the manuals and literatures as mentioned in the specifications.
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बिड दस्तावेज़ / Bid Document

बिड विवरण / Bid Details	
बिड बंद होने की तारीख/समय / Bid End Date/Time	11-03-2026 17:00:00
बिड खुलने की तारीख/समय / Bid Opening Date/Time	11-03-2026 17:30:00
बिड पेशकश वैधता (बंद होने की तारीख से) / Bid Offer Validity (From End Date)	30 (Days)
मंत्रालय/राज्य का नाम / Ministry/State Name	Ministry Of Home Affairs
विभाग का नाम / Department Name	Central Armed Police Forces
संगठन का नाम / Organisation Name	National Disaster Response Force (ndrf)
कार्यालय का नाम / Office Name	Hq Ndrf New Delhi
कुल मात्रा / Total Quantity	1
वस्तु श्रेणी / Item Category	Eol for BA Set with spare cylinder
GeMARPTS में खोजी गई स्ट्रिंग्स / Searched Strings used in GeMARPTS	Eol for BA Set with spare cylinder
GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS	Lithium Battery for Hand Held Radio Set as per MHA QR, Portable Single Operated Rectifier Type DC Arc Welding Set Suitable for Manual Arc Welding Process as per IS 4559, Ni-MH Battery for Hand Held Radio Set as per MHA QR, OTO - Acoustic Emissions (OAE) Instrument for New Born Infant and Children (V2) - RBSK, Lithium Battery For Use With Radio Set in Mobile Role as per MHA QRs, Stud Remover & Installer with Screwdriver tool Set(ONGC), High-end Office Furniture Set (V2), Desk and Bench Set for Classroom/Training Area, Miniature Handloom Machine, Set of Used Light Weight Jute Sacking Bags for Packing 50 Kg Food Grain (1 Set = 100 Bags)
अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification	<ul style="list-style-type: none"> • Fire Breathing Apparatus (SCBA - EN 137) • Compressed Airline Breathing Half Mask Respirator (NPCIL) • Breathing Apparatus with compressed Air Cylinder (Diving Instruments or Accessories)
वर्षों के अनुभव एवं टर्नओवर से एमएसई को छूट प्राप्त है / MSE Relaxation for Years Of Experience and Turnover	Yes Complete
स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है / Startup Relaxation for Years Of Experience and Turnover	Yes Complete

बिड विवरण/Bid Details	
विक्रेता से मांगे गए दस्तावेज़/Document required from seller	Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover *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
क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेजों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेन् है/Do you want to show documents uploaded by bidders to all bidders participated in bid?	Yes (Documents submitted as part of a clarification or representation during the tender/bid process will also be displayed to other participated bidders after log in)
बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या। / Minimum number of bids required to disable automatic bid extension	1
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended	3
ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / Number of Auto Extension count	1
बिड से रिवर्स नीलामी सक्रिय किया/Bid to RA enabled	No
बिड का प्रकार/Type of Bid	Two Packet Bid
तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय /Time allowed for Technical Clarifications during technical evaluation	10 Days
निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
मूल्यांकन पद्धति/Evaluation Method	Total value wise evaluation
मध्यस्थता खंड/Arbitration Clause	No
सुलह खंड/Mediation Clause	No

ईएमडी विवरण/EMD Detail

आवश्यकता/Required	No
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ईपीबीजी विवरण /ePBG Detail

आवश्यकता/Required	No
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बोली विभाजन लागू नहीं किया गया/ Bid splitting not applied.

एमआईआई खरीद वरीयता/MII Purchase Preference

एमआईआई खरीद वरीयता/MII Purchase Preference	No
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एमएसई खरीद वरीयता/MSE Purchase Preference

एमएसई खरीद वरीयता/MSE Purchase Preference	Yes
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माताओं को खरीद में प्राथमिकता, यदि उनका मूल्य L1+X% तक की सीमा में हो / Purchase Preference to MSE OEMs available upto price within L1+X%	15
सूक्ष्म और लघु उद्यम को खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MSE purchase preference	25

1. If the bidder is a Micro or Small Enterprise as per latest orders issued by Ministry of MSME, the bidder shall be relaxed from the eligibility criteria of "Experience Criteria" as defined above subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Experience Criteria, shall upload the supporting documents to prove his eligibility for Relaxation.
2. If the bidder is a Micro or Small Enterprise (MSE) as per latest orders issued by Ministry of MSME, the bidder shall be relaxed from the eligibility criteria of "Bidder Turnover" as defined above subject to meeting of quality and technical specifications. If the bidder itself is MSE OEM of the offered products, it would be relaxed from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Turnover, shall upload the supporting documents to prove his eligibility for Relaxation.
3. If the bidder is a DPIIT registered Startup, the bidder shall be relaxed from the the eligibility criteria of "Experience Criteria" as defined above subject to their meeting of quality and technical specifications. The bidder seeking Relaxation from Experience Criteria, shall upload the supporting documents to prove his eligibility for Relaxation.
4. If the bidder is a DPIIT registered Startup, the bidder shall be relaxed from the the eligibility criteria of "Bidder Turnover" as defined above subject to their meeting of quality and technical specifications. If the bidder is DPIIT Registered OEM of the offered products, it would be relaxed from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Turnover shall upload the supporting documents to prove his eligibility for Relaxation.
5. Purchase preference will be given to MSEs having valid Udyam Registration and whose credentials are validated online through Udyam Registration portal 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 themselves of the Purchase preference, 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 for any purchase preference. 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 for purchase preference based on documentary evidence submitted, while evaluating the bid. 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 MSE 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. 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.

Pre Bid Detail(s)

मूल्य भिन्नता खंड दस्तावेज़/Pre-Bid Date and Time	प्री-बिड स्थान/Pre-Bid Venue
24-02-2026 15:00:00	NDRF DG HQ, 6th Floor, NDCC-II Building, Jai Singh Road, New Delhi

Eol For BA Set With Spare Cylinder (1 the number pi)

तकनीकी विशिष्टियाँ /Technical Specifications

क्रेता विशिष्टि दस्तावेज़ /Buyer Specification Document	Download
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परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Narendra Kumar Singh	110001,HQ DG, NDRF, 6TH FLOOR, NDCC-II BUILDING, JAI SINGH ROAD, NEW DELHI	1	15

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

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 up to 25% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be $(\text{Increased quantity} \div \text{Original quantity}) \times \text{Original delivery period (in days)}$, subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.

2. OEM

IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.

अस्वीकरण/Disclaimer

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.
15. Buyer added ATC Clauses which are in contravention of clauses defined by buyer in system generated bid template as indicated above in the Bid Details section, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by GeM GTC.
16. In a category based bid, adding additional items, through buyer added additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogs or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

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.

All GeM Sellers/Service Providers shall ensure full compliance with all applicable labour laws, including the provisions, rules, schemes and guidelines under the four Labour Codes i.e. the Code on Wages, 2019; the Industrial Relations Code, 2020; the Occupational Safety, Health and Working Conditions Code, 2020; and the Code on Social Security, 2020 as and when notified and brought into force by the Government of India.

For all provisions of the Labour Codes that are pending operationalisation through rules, schemes or notifications, the corresponding provisions of the pre-existing labour enactments (such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972, etc. and relevant State Rules) shall continue to remain applicable.

The Seller/ Service Providers shall, therefore, be responsible for ensuring compliance under:

- **All notified and enforceable provisions of the new Labour Codes as mentioned hereinabove; and**
- **All operative provisions of the erstwhile Labour Laws until their complete substitution.**

All obligations relating to wages, social security, safety, working conditions, industrial relations etc. and any other statutory requirements shall be strictly met by the Seller/ Service Provider. Any non-

compliance shall constitute a breach of the contract and shall entitle the Buyer to take appropriate action in accordance with the contract and applicable law.

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

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।/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.

---धन्यवाद/Thank You---