

## **INVITATION OF EXPRESSION OF INTEREST (Eol) FOR NDRF EQUIPMENT**

1. NDRF is the lead federal force responsible for responding to all types of natural and man-made disasters NDRF acknowledge the importance of having reliable equipment to enhance the efficiency and effectiveness of rescue operations.
2. NDRF now intends to procure Disaster Management equipment for each of its 16 Units/Academy Accordingly, NDRF has prepared a draft technical specification for the following DM equipment required to enhance the efficiency and effectiveness of rescue operations: -

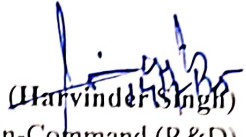
S/No	Equipment Name
a.	Ventilator & air Tube 7 meters long
b.	Life Detector

3. The draft specifications are appended as **Appendix- A.**
4. In this context, NDRF invites Expressions of Interest (Eol) 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 Eol 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.
5. 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.
6. Eligibility Criteria: The minimum eligibility criteria for an entity to participate in the Eol 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 Eol.
  - i. Documents supporting Eligibility Criteria as mentioned above.
  - ii. List of equipment catalogue with detailed technical specifications along with estimated cost if possible.
7. Eligible manufacturers, suppliers and vendors who have the competence and experience to carry out such work are requested to submit the suggestion/comments (Eol) along with supporting documents within 21 days.

**(Cont./P-2)**

**-Important timelines-**

Event	Timeline
Last date of submission of responses	Within 21 Days Email:- <a href="mailto:rd-cell.ndrf@gov.in">rd-cell.ndrf@gov.in</a> , <a href="mailto:deproccell-ndrf@gov.in">deproccell-ndrf@gov.in</a>

  
(Harvinder Singh)  
Second-In-Command (R&D)  
HQ NDRF

No. 1-17018/R&D/Bty-Optd/115355 /SRC//HQ NDRF/2014/70 Dated 14 /02/2025

**Copy to:-**

1. PS to DG NDRF : For kind info to DG NDRF, please
2. PA to IG, NDRF : For kind info to IG NDRF, please
3. PA to DIG (Proc.), HQ NDRF : For kind info to DIG (Proc.) NDRF, please
4. Proc. Branch, HA NDRF : For kind info, please.
5. IT Cell, HQ NDRF : For kind info & request upload the EoI document  
Email:- [website.ndrf@gov.in](mailto:website.ndrf@gov.in) along with the draft specification on NDRF  
website for 21 Days.

### Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	10-03-2025 11:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	10-03-2025 11:30:00
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 Home Affairs
Department Name/विभाग का नाम	Central Armed Police Forces
Organisation Name/संगठन का नाम	National Disaster Response Force (ndrf)
Office Name/कार्यालय का नाम	Hq Ndrf New Delhi
क्रेता ईमेल/Buyer Email	rd-cell.ndrf@gov.in
Total Quantity/कुल मात्रा	1
Item Category/मद केटेगरी	Eol for Ventilator & air Tube 7 meters long and Life Detector
GeMARPTS में खोजी गई स्ट्रिंग / Searched Strings used in GeMARPTS	Eol for Ventilator & air Tube 7 meters long and Life Detector
GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS	Category not available on GeM for the text string uploaded by the buyer
अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification	<ul style="list-style-type: none"> <li>Life Detector Type - I</li> <li>Steel Tubes, Tubulars as per IS 1239</li> <li>Ventilator</li> </ul>
MSE Exemption for Years Of Experience/अनुभव के वर्षों से एमएसई छूट/ and Turnover/टर्नओवर के लिए एमएसई को छूट प्राप्त है	Yes
Startup Exemption for Years Of Experience/अनुभव के वर्षों से स्टार्टअप छूट/ and Turnover/ टर्नओवर के लिए स्टार्टअप को छूट प्राप्त है	Yes
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	<p>Bidder Turnover, Certificate (Requested in ATC), OEM Authorization Certificate, OEM Annual Turnover, Additional Doc 1 (Requested in ATC)</p> <p>*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</p>

Bid Details/बिड विवरण	
Do you want to show documents uploaded by bidders to all bidders participated in bid?/	No
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	No
Type of Bid/बिड का प्रकार	Single Packet Bid
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	5 Days
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
Evaluation Method/मूल्यांकन पद्धति	Total value wise evaluation
Arbitration Clause	No
Mediation Clause	No

#### EMD Detail/ईएमडी विवरण

Required/आवश्यकता	No
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#### ePBG Detail/ईपीबीजी विवरण

Required/आवश्यकता	No
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#### MII Purchase Preference/एमआईआई खरीद वरीयता

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

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes
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1. If the bidder is a Micro or Small Enterprise as per latest definitions under MSME rules, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.
2. If the bidder is a Startup, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to their meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.

3. 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)

Pre-Bid Date and Time	Pre-Bid Venue
25-02-2025 10:00:00	HQ NDRF, 6th Floor, NDCC-II, Jai Singh Road, New Delhi

#### Eol For Ventilator & Air Tube 7 Meters Long And Life Detector ( 1 the number pi )

#### Technical Specifications/तकनीकी विशिष्टियाँ

Buyer Specification Document/क्रेता विशिष्टि दस्तावेज़	<a href="#">Download</a>
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#### 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	Harvinder Singh	110001,HQ DG, NDRF, 6TH FLOOR, NDCC-II BUILDING, JAI SINGH ROAD, NEW DELHI	1	15

#### 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 % 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. Turnover

OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.

## 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.

**All GeM Sellers / Service Providers are mandated to ensure compliance with all the applicable laws /**

**acts / rules including but not limited to all Labour Laws 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. Any non-compliance will be treated as breach of contract and Buyer may take suitable actions as per GeM Contract.**

[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 कार्यवाई का आधार होगा।

**---Thank You/धन्यवाद---**

## Life Detector

Nomenclature	Specification	Trial Directives
General	Life detector a seismic/acoustic listening device, light weight and easy to carry, designed specially to detect and locate trapped, live victims in collapsed structures caused by earthquakes, explosion, landslides, construction cave-ins or mine disasters and should include the control unit, sensors, sensors spikes, connecting cables and spools, Magnetic Clamps, Headphones, intercom probe, AC power supply battery pack and carry bag (for control unit) with all required accessories. The Life Detector should be provided with not less than 6 sensors. 4/6 sensors.	BOO to check and verify through certification provided by OEM.
<b>Technical Specifications (Main Unit)</b>		
Input Of Sensor/Intercom/Probe	i Seismic : > 6K Ohms sensor input impedance ii Intercom : > 3 K Ohms probe input impedance	BOO to check and verify the parameters through lab test reports from Govt./NABL approved labs.
Headset Output	i For : 1/4" stereo headphones jack ii Output : 0.13 W/60 power, Ohms variable	BOO to check and verify the parameter through lab test reports from Govt./NABL-approved labs.
Frequency Range	1 Hz to 3000 Hz	BOO to check and verify the parameter through lab test reports from Govt./NABL-approved labs.
Filters (Fixed Switchable)	i "Rumble" : High pass 100 Hz ii "PWR" : Notch 50 Hz and 60 Hz iii "Hiss" : Low pass 600 Hz	BOO to physically check the parameter and verify through lab test reports from Govt./NABL-approved labs.
Signal Display	LED Bar graph any 2 channels or sum of all channels range 60 db	BOO to check and verify the parameter through certification provided by the OEM.
Seismic/ Acoustic Sensor (Position Insensitive)	i. Frequency Range: 1 Hz to 300 Hz ii. Shock resistant : > 1000 g	BOO to check and verify the parameter through lab test reports from Govt./NABL-approved labs.
Power Supply	Battery operated, low battery alert: Lithium-ion rechargeable battery	BOO to check and verify the parameter through lab test



	<p>type”. Appropriate operating time at approx. 20 deg.C:&gt;20 hrs</p> <ul style="list-style-type: none"> <li>i Ext. DC : 10.8 to 28.8 Input VDC</li> <li>ii AC/DC : converter</li> <li>iii AC line : 47 to 63 Hz frequency</li> <li>iv Nominal 100 to 240 AC line VAC voltage</li> </ul>	reports from Govt./NABL-approved labs.
Ambient Temperature	<ul style="list-style-type: none"> <li>i Storage : 20 degrees to and + 70 degrees transport C</li> <li>ii Nominal : -15 degrees to operating + 60 degrees range or more</li> </ul>	BOO to check and verify the parameter through lab test reports from Govt./NABL-approved labs
Each System /Life Detector Should Contain Following	<ul style="list-style-type: none"> <li>i. Sensor spike - 6 Nos</li> <li>ii. Magnetic sensor clamp – 2 Nos</li> <li>iii. Lithium-ion rechargeable battery stick -2 Nos</li> <li>iv. Lithium-ion battery stick charger 01 Nos</li> <li>v. Power supply 01 Nos</li> <li>vi. Carry bag for Interface unit 01 Nos</li> <li>vii. lanyard strap 01 Nos</li> <li>viii. Cable connector cap ,pack of 6 qty 01 Nos</li> <li>ix. Sensor connector cap 2 Nos</li> <li>x. Operation/ maintenance manual 01 Nos</li> <li>xi. Case 01 Nos</li> <li>xii. Field operation guide 01 Nos</li> <li>xiii. Life detector Display interface 01 Nos</li> <li>xiv. Seismic sensor, #1,#2,#3,#4,#5,#6 all number sensor one each &amp; Acoustic sensor #1, 01 Nos</li> <li>xv. Head Phone with boom Mic 02 Nos</li> <li>xvi. Sensor connecting cable 10 M on spool 6 Nos</li> <li>xvii. Sensor Connecting cable ,3M 1 Nos.</li> </ul>	BOO to physically check and verify all the items.

### Ventilator & air Tube 7 meters long

S/No.	Nomenclature	Specification	Trial Directive
<b>A</b>	<b>ENGINE</b>		
1.	Type	4 Stroke Air Cooled, Single Cylinder	BOO to check and verify the parameters through lab test reports from Govt./NABL-approved labs
2.	Displacement	148 Cms. $\pm$ 5%	BOO to physically check and verified the parameter.
3.	H.P/KW/RPM	(3.5/2.6/3600) $\pm$ 5%	BOO to check and verify the parameters through lab test reports from Govt./NABL-approved labs
4.	Air cleaner	Dual-Clean air Cleaner or better.	BOO to check and verify the parameters through lab test reports from Govt./NABL-approved labs
5.	Fuel Tank Capacity	3.8 litters or more	BOO to physically check and verified the parameter.
6.	Oil capacity	0.60 litters or more	BOO to physically check and verified the parameter.
7.	Dimensions (LxWxH)/mm	(385 x 240 x 400) $\pm$ 10%	BOO to physically check and verified the parameter.
<b>B</b>	<b>AIR BLOWER ASSEMBLY</b>		
1.	Impeller diameter	300 mm $\pm$ 10%	BOO to physically check and verified the parameter.
2.	Impeller	Mild Steel.	BOO to check and verify the parameters through lab test reports from Govt./NABL-approved labs
3.	Suction	3600 m3/hrs. $\pm$ 10%	BOO to check and verify the parameters through lab test reports from Govt./NABL-approved labs
<b>4.</b>	<b>COUPLING</b>		
5.	Outside Diameter	304 mm $\pm$ 10%	BOO to physically check and verified the parameter
6.	Inside Diameter	300 mm $\pm$ 10%	BOO to physically check and verified the parameter
7.	Thickness	2mm $\pm$ 10%	BOO to check and verify the parameters through lab test reports from Govt./NABL-approved labs
8.	Material of construction	Mild Steel	BOO to check and verify the parameters through lab test reports from Govt./NABL-approved labs
<b>C</b>	<b>DUCTING</b>		
1.	Body	Nylon Polyester fabric coated with PVC on both sides.	BOO to check and verify the parameters through lab test reports from Govt./NABL-approved labs
2.	Re-enforcement wire	Spring Steel	BOO to check and verify the parameters through lab test reports from Govt./NABL-approved labs
3.	Dimension	Suction : I/D (300 mm x 7.5m) $\pm$ 10% Discharge : I/D (300mm x 20m) $\pm$ 10%	BOO to physically check and verified the parameter