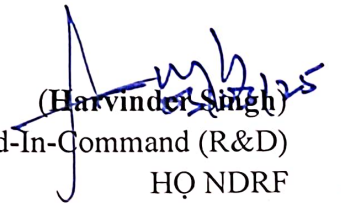


## **INVITATION OF EXPRESSION OF INTEREST (Eol) FOR NDRF EQUIPMENT**

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 **Back Pack High-Pressure Mist Blower** for each of the Mountaineering Teams. Accordingly, NDRF has prepared a draft technical specification for the following DM equipment 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 (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.
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 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.
6. 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.

**-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> ,

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

No. 1-17018/R&D/Forest-Fire/SRC/HQ NDRF/2024-98 Dated 03 /03/2025

**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:- <a href="mailto:website.ndrf@gov.in">website.ndrf@gov.in</a> | along with the draft specification on NDRF website. |

### Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	24-03-2025 15:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	24-03-2025 15:30:00
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 Back Pack High-Pressure Mist Blower
GeMARPTS में खोजी गई स्ट्रिंग / Searched Strings used in GeMARPTS	Eol for Back Pack High-Pressure Mist Blower
GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS	Watermist and Caf Fire Extinguisher Low Pressure Back Pack Type (V2), Buy Back - Lead Acid Batteries for Motor Vehicles with Light Weight and High Cranking Performance (V2), HDPE/PP Woven Sacks for packaging fertilizers (V2) ISI marked to IS 9755, (HDPE) / (PP) Woven Sacks for Packaging of 50 kg Foodgrains as per IS 14887, High Density Polyethylene (HDPE) / Polypropylene (PP) Woven Sacks for Packaging of 25 kg Polymer Materials (V3) as per IS 16703
अधिस्चना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification	<ul style="list-style-type: none"> <li>Engine Operated High Pressure Water Mist Fire Fighting Trolley</li> <li>Motorcycles Powered and Mounted Water Mist Fire Extinguishing High Pressure System with pump PTO</li> <li>Watermist and CAF Fire Extinguisher High Pressure Back Pack Type (V2)</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

Bid Details/बिड विवरण	
<b>Startup Exemption for Years Of Experience/अनुभव के वर्षों से स्टार्टअप छूट/ and Turnover/ टर्नओवर के लिए स्टार्टअप को छूट प्राप्त है</b>	Yes
<b>Document required from seller/विक्रेता से मांगे गए दस्तावेज़</b>	Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,Additional Doc 1 (Requested in ATC) *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
<b>Do you want to show documents uploaded by bidders to all bidders participated in bid?/</b>	No
<b>Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया</b>	No
<b>Type of Bid/बिड का प्रकार</b>	Single Packet Bid
<b>Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय</b>	5 Days
<b>Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)</b>	No
<b>Evaluation Method/मूल्यांकन पद्धति</b>	Total value wise evaluation
<b>Arbitration Clause</b>	No
<b>Mediation Clause</b>	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
11-03-2025 15:00:00	HQ NDRF, 6th Floor, NDCC-II Building, Jai Singh Road, New Delhi

#### Eol For Back Pack High-Pressure Mist Blower ( 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 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. Turnover

Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder 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 bidder 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.

## 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---**



**Technical Specification and TDs For Back Pack High-Pressure Mist Blower**

S/No	Technical Parameters	QRs/Specifications	Trial Directives	Firm Comments
1.	Nomenclature/ Name product/Gadget/Equipment	High pressure water mist CAF fire extinguisher Back- pack type, ultra-light, Carbon composite with Pet liner pressure vessel 9/10 ltrs and air cylinder.	To be checked physically by BOOs at vender site.	
2.	Conformity	The Water Mist & CAF(Back Pack) high pressure extinguisher shall be confirmed to EN 3- 7:2004+A1:2007-08 standards The complete system shall be tested for compliance from an internationally/ nationally accredited laboratory for compliance to all 30 clauses (3.2, 3.15, 4.2, 4.3, 4.4, 4.5, 6.1, 6.2, 6.3, 7.1.1, 7.1.2, 7.2, 7.3, 7.4, 8.1, 8.2, 9.2, 10.1, 10.2, 10.3, 10.4, 10.5, 10.6.1 & 10.6.2, 14.1, 14.2, 15.2, 15.3, 16.1, 16.2) of EN 3-7:2004 + A1: 2007-08 (E) Standard mandatorily applicable for the complete system."	To be checked and verified with relevant EN certificates.	
3.	Mounting type	Backpack	Fitment to be checked physically.	
4.	Configuration/ Description	It shall be mounted on a sturdy frame suitably cushioned for comfort, provided with shoulder pads for carrying as a BOOs. Back-pack and a handle to be carried by hand. All materials used shall be of fire	To be checked physically by the BOOs.	



S/No	Technical Parameters	QRs/Specifications	Trial Directives	Firm Comments
		retardant type. Backpack shall be supplied with air cylinders.		
5.	Model & make	Model Number shall be permanently marked as declared in Accredited Laboratory Test Report.	To be checked physically and verified with relevant certificates by the BOOs.	
6.	Main Components:	Pressure vessel shall be hold the media with safety valve, compressed air cylinder coupled with a reducer, hose pipes for discharge of water mist media, extinguishing gun.	To be checked physically by the BOOs.	
<b>CONSTRUCTION</b>				
7.	Air Cylinder Material	Ultra- light Carbon composite with PET	To be checked and verified with relevant EN & PESO certificates.	
8.	Type of Foam	Special AFFF Compound conforming for higher fire rating A55, B233, Spreading coefficient for special AFFF Compound shall be +5 minimum, concentrations shall be 6%.	To be checked and verified with relevant certificates from Govt approved lab.	

S/No	Technical Parameters	QRs/Specifications	Trial Directives	Firm Comments
9.	Commercial Brand Name, laboratory test report/ fire ratings with foam	Commercial Brand Name of the Special foam (fire extinguishing medium) as per accredited laboratory test report wherein higher fire ratings i.e A55, B233, E1000 V (Die Electric Suitability) achieved, to be declared.	To be tested physically and also to be verified with relevant certificates from Govt approved lab.	
10.	Characteristics of extinguishing medium AFFF Compound with infrared spectrogram (to be furnished).	Characteristics of extinguishing medium of Special AFFF of Compound shall be Density: 1.04 (kg/cm <sup>3</sup> , Viscosity: 1.35 (m <sup>2</sup> /s, pH Factor 7.8, Refractive Index 1.34 @ 20 +/- 2°C (accredited laboratory test report required)	To be verified with relevant certificates from Govt approved lab.	
11.	Pressure Vessel Material & Capacity (Nominal Charge)	Ultra- light Carbon Composite with PET Liner of 9/10 litre capacity.	To be physically checked and verified with relevant certificates by the BOOs.	
12.	Minimum wall thickness of pressure vessel (mm)	Minimum wall thickness of pressure vessel should be 5 mm	To be checked and verified with relevant certificates	
13.	Extinguishing gun material	Stainless Steel	To be checked and verified with relevant certificates.	
14.	Weight of extinguishing gun	Shall not more than 750 +/-50 gram.	To be checked physically by BOOs.	

S/No	Technical Parameters	QRs/Specifications	Trial Directives	Firm Comments
15.	Length of standard of Hose for backpack system	Hose shall be EN marked, not less than 1.3 meters for backpack system.	To be checked physically and verified with relevant certificates by BOOS.	
16.	Weight of fully charged Backpack system	Weight of fully charged Ultra -light Carbon composite with PET liner Backpack system shall be not more than 20kg.	To be checked physically by BOOs.	
<b>PERFORMANCE</b>				
17.	Air Cylinder Capacity (Ltrs)	2 litre	To be checked physically by BOOs.	
18.	Air Cylinder pressure (Bar)	300 bar	To be checked physically by BOOs.	
19.	High Pressure Type	High Pressure Type (Dynamic Operating pressure to be tested in the accredited laboratory test report which will be considered as high pressure for as per clause No. 3.15 of EN 3-7:2004 + A1: 2007-08 (E) Standard.) $\geq 37.6$ Bar for	To be checked and verified with relevant EN certificates	

S/No	Technical Parameters	QRs/Specifications	Trial Directives	Firm Comments
		Ultra-light Carbon composite with PET Liner vessel.		
20.	Lancing Distance of Gun	More than 15+/-2 meter	To be tested physically by BOOs.	
21.	Minimum operating time	25+/-2 second	To be tested physically by BOOs.	
22.	Operating temperature	System shall be designed for 60°C or more and minimum 5° C or less and certified by the manufacturer as per Clause 7.4 of EN 3-7:2004+A1:2007-08 standards as per the accredited test report for backpack system.	To be checked and verified with relevant certificates.	
23.	Fire Rating	Class A, Class B and Electrical Fire Rating with Special AFFF Compound for backpack 55A, 233B, E1000V (Die Electric suitability) with commercial brand name of fire extinguishing medium as per accredited laboratory test report for Backpack System.	To be checked and verified with relevant certificates of EN.	
<b>CERTIFICATION</b>				

S/No	Technical Parameters	QRs/Specifications	Trial Directives	Firm Comments
24.	Approval	PED (Pressure Equipment Directives) approval as per 97/23/EC (Encumbrance Certificate).	To be checked and verified with relevant certificates as per EN by BOOS.	
25.	Pressure Gauge	Pressure Vessel shall be fitted with a pressure gauge (CE Marked).	To be checked physically with relevant certificates.	
26.	NOC certificate) (No objection	No objection certificate (NOC) for Air cylinder and its valve & Pressure Vessel containing body No. from Petroleum and Explosives Safety Organization (PESO)/approval of CCE Nagpur is mandatory.	To be checked and verified with relevant certificates.	
27.	Pressure Vessel	Pressure Vessel shall be CE marked from Notified body.	To be checked and verified with relevant certificates	
28.	Consent from OEM	Specific consent of the OEM for the value additions made along with a confirmation that fire ratings of the equipment would not be affected by these value additions.	To be checked and verified with relevant certificates.	
29.	Test Reports	Test Report No. should be declared/ mentioned with date.	To be checked and verified with relevant certificates as per EN.	
30.	Declaration about Govt. Accredited Laboratory where Test Conducted	Name of ILAC/ NABL/ Central Govt. Accredited Laboratory where Test Conducted is required.	Firm to submit certificates from NABL/International for	

S/No	Technical Parameters	QRs/Specifications	Trial Directives	Firm Comments
			confirming. To be checked and verified.	