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File No. DLI/CORP-FIRE-SER/2026/EOIFS/SCBA Date 02.11.2026

EXPRESSION OF INTEREST (EOI) for Identification of Technically Suitable Manufacturers/Suppliers of Self-Contained Breathing Apparatus (SCBA) Sets

1. PUBLICATION OF EOI NOTICE

Oil and Natural Gas Corporation Limited (ONGC), a Government of India "Maharatna" Enterprise, is India's premier energy company engaged in exploration, production, refining and associated oil & gas activities across onshore and offshore locations.

To ensure safety of personnel engaged in emergency response operations like firefighting, rescue, confined space entry and operations in hazardous atmospheres, ONGC requires superior quality, reliable, certified and globally accepted **Self-Contained Breathing Apparatus (SCBA)** Sets conforming to applicable Indian and International Standards.

The objective is to assess market capability comprehensive review of BIS/EN/NFPA standards approach, identify the most appropriate best international practice for procurement of SCBA Set. The exercise is aimed for ensuring the highest level of equipment safety, performance, reliability, and integrity, enhancing firefighter protection during hazardous and life-threatening situations, while also ensuring fair competition and wider participation of competent manufacturers.

Manufacturers whose SCBA sets are successfully evaluated through technical review, document assessment and product evaluation may be considered for future procurement opportunities in accordance with applicable ONGC procurement procedures and policies.

Submission of EOI shall not constitute any commitment by ONGC for procurement and ONGC reserves the right to accept or reject any response without assigning any reason.

2. Key Information & Dates:

Particular	**Details**
EOI Reference Number	DLI/CORP-FIRE-SER/2026/EOIFS/SCBA
Date of Issue	02.11.2026
Pre-Submission Meeting	06.11.2026
Last Date for Submission	18.11.2026
Contact Email	CFSC@ONGC.CO.IN
Address	Deendayal Urja Bhavan, Plot No. 5A-5B, Nelson Mandela Road Vasant Kunj, New Delhi – 110070

3. SCOPE OF SUPPLY

The EOI covers **Self Contained Breathing Apparatus (SCBA) Sets comprising:**

- Carbon Composite Air Cylinder
- Height adjustable Back Plate Assembly
- Ergonomic Harness System
- Pressure Reducer
- Lung Demand Valve
- Positive Pressure Full Face Mask
- Pressure Gauge Assembly
- Warning Whistle
- ADSU/DSU (Automatic Distress Signal Unit)
- Pneumatic Hose Assemblies
- Carrying/Storage Arrangement
- Documentation, Certifications and Test Reports

The offered SCBA Set shall comply with ONGC approved technical specifications.

4. ELIGIBLE RESPONDENTS

Responses are invited from:

- Original Manufacturers (OEMs)
- Authorized Dealer, Distributor, Supply House

Traders without authorization from Original Manufacturer shall not be considered.

5. TECHNICAL REQUIREMENTS

The offered SCBA Sets shall generally comply with the latest versions of applicable standards, including but not limited to:

Breathing Apparatus	• EN 137 Type-2 • IS 10245 (Part 2)
Full Face Mask	• EN 136 Class 3 • IS 14166
Hazardous Area Certification (For DSU)	• ATEX Certification (where applicable) • IECEx Certification (where applicable)
Cylinder	• PESO Approved Cylinder • PESO Approved Cylinder Valve

6. INFORMATION TO BE SUBMITTED

Respondents shall provide complete information in the formats prescribed under Annexures.

The response shall include:

A. Company Information

B. Product Information

C. Certification Documents as per requirement of technical specification

D. Test Reports as per requirement of technical specification

E. Manufacturing & Quality Information

7. EVALUATION METHODOLOGY

Responses shall be evaluated based on:

a) **Technical Capability:** The technical capability of the respondent shall be evaluated based on the compliance of the offered SCBA sets with ONGC technical specifications, adherence to applicable national and international standards, availability of valid product certifications, and submission of supporting test reports and performance evidence demonstrating conformity to the specified requirements.

b) **Manufacturing Capability:** The manufacturing capability of the respondent shall be evaluated based on the available production capacity, adequacy and sophistication of manufacturing facilities, and the implementation of established quality management systems to ensure consistent production of SCBA sets meeting the specified technical and quality requirements.

c) **Supply Experience:** The supply experience of the respondent shall be evaluated based on the successful execution of similar SCBA supply orders, availability of relevant industry references, and demonstrated field performance of the offered equipment in sectors such as oil & gas, petrochemicals, refineries, fire services, defence, aviation, power plants, and other hazardous industrial environments.

d) **Support Capability:** The support capability of the respondent shall be evaluated based on the availability and geographical coverage of its service network, adequacy of repair and maintenance facilities, capability to provide operational and maintenance training to end users, and the availability of genuine spare parts along with long-term technical support throughout the service life of the SCBA equipment.

Additional clarifications may be sought by ONGC whenever required.

8. CONFIDENTIALITY & INTELLECTUAL PROPERTY

Any technical information, drawings, specifications, or operational details shared by ONGC with vendors for the purpose of this EOI shall be treated as confidential and shall not be disclosed to any third party without prior written consent of ONGC.

Vendors shall use such information solely for the purpose of preparing their response to this EOI and for development or identification of equivalent parts.

Any design, modification, or development carried out by the vendor shall not infringe upon any intellectual property rights of third parties. The vendor shall be solely responsible for ensuring that the

offered parts do not violate any patent, copyright, or proprietary rights. ONGC shall not be liable for any intellectual property disputes arising out of the manufacture or supply of parts offered by the vendor.

9. DISCLAIMER

- EOI is intended solely for market assessment and vendor identification.
- This EOI does not constitute a tender or invitation to bid.
- ONGC reserves the right to modify, cancel or withdraw the EOI at any stage.
- Expenses incurred by respondents in preparation and submission of EOI shall be borne by the respondents.

10. General Conditions

ONGC reserves the right to accept or reject any or all responses without assigning any reason and to modify the scope or evaluation process at any stage as deemed necessary.

The cost of preparation and submission of response to this EOI shall be borne by the vendor.

Participation in this EOI shall not be construed as a commitment by ONGC to procure any specific quantity of the part.

The quantity of procurement, if any, will depend on operational requirements, inventory considerations, and applicable procurement procedures of ONGC. The Rate Contract may be terminated if the performance of the supplied parts during actual operations is found to be unsatisfactory or inconsistent with the performance observed during field trials.

11. SUBMISSION OF RESPONSE

Interested parties shall submit their response in electronic format (PDF/PPT) together with all supporting documents.

Submission Email: cfsc@ongc.co.in

Contact Numbers: +91-11-26751074

ANNEXURE–I

FORMAT FOR SUBMISSION OF TECHNICAL INFORMATION BY VENDORS

1. COVER LETTER

Particulars	**Details**
Company Name	
Category	Manufacturer / Consortium / Authorized Manufacturer
Authorized Contact Person	
Designation	
Address	
Mobile Number	
Email	
Website	

2. COMPANY PROFILE

Particulars	**Details**
Legal Name	
Year of Establishment	
Country of Incorporation	
Ownership Structure	
Manufacturing Locations	

3. PRODUCT DETAILS

Particulars	**Details**
Make	
Model	
Country of Manufacture	
Standard Offered	
Nominal Duration	
Complete Set Weight	

Component Information

Component	Make	Model	Country of Origin
Face Mask (In accordance with EN 136 Class-3/IS 14166:1994 & marked with “cl3+”)			
Demand Valve (Balance Piston type)			
Pressure Reducer			
ADSU (integrated with Pressure indicating device)			
Cylinder (Carbon Composite material (Type-4) with PET liner)			
Valve			
Harness			

4. CERTIFICATION DETAILS

Certificate	Certificate Number	Validity	Issuing Agency
EN 137 Certificate			
EN 136 Certificate			
BIS Certificate			
ATEX Certificate			
IECEx Certificate			
PESO Approval-Cylinder			
PESO Approval-Valve			
ISO 9001			

5. TEST REPORT DETAILS

Test Name	Report Number	Laboratory	Accreditation
Flame engulfment Test and flammability test certificates for Class-2 Apparatus Set			
All components such as cylinder, back plate, pressure monitoring unit/electronic unit including DSU, mask, lung demand valve, pneumatics etc. should form part of the approval certificate of EN- 137: 2006 (Type 2). OR Approval report with technical file copy submitted to BIS/ the			

ONGC/FS/SCBA 01 Rev.00 P a g e 11 | 13 complete test certificates with all annexures indicating all components as per testing schedule (Table 2) of IS 10245 (Part 2): 2023 including the Flame engulfment and flammability test certificates for Class-2 Apparatus Sets. **(Refer Annexure-II)**			
Air Supply Performance Test			
Breathing Resistance Test			
Leak Tightness Test			
Face Mask Test			
Component Qualification Test			

6. QUALITY ASSURANCE INFORMATION

Particulars	**Details**
ISO 9001 Certified	
Traceability System	
~~QAP Available~~	
Quality Assurance Certificate as per Module B & Module D for PPE Category III in latest EU PPE regulation / latest BIS surveillance report.	

7. TESTING & INSPECTION FACILITY

Facility	**Available (Yes/No)**	**Remarks**
Functional Testing		
Leak Testing		
Face Mask Testing		
Pneumatic Testing		
Pressure Testing		

8. WARRANTY & AFTER SALES SUPPORT

Particulars	**Details**
Warranty Period	
Service Centres in India	
Technical Support Available	Yes / No
Repair Facilities Available	Yes / No
Spare Parts Availability	

9. Reference List (Last 5 Years):

Sl. No.	Client Name	Sector (Oil & Gas/Airport/Refinery/Fire Service)	Product Supplied	Quantity	Year	Contact Details
1						
2						
3						

Supporting Documents: Purchase Orders/ Performance Certificates/ Completion Certificates/ Client References.

DECLARATION

We hereby certify that:

1. SCBA sets offered are new and unused.
2. All information submitted is true and correct.
3. Certificates and approvals submitted are valid.
4. The product complies with ONGC's technical requirements. Any deviations, if applicable, have been duly highlighted and clarified.
5. Spare parts and service support shall be available during the product life cycle.
6. Additional information shall be furnished whenever sought by ONGC.

Authorized Signatory: _____

Name: _____

Designation: _____

Company: _____

Signature & Seal: _____

Date: _____

Place: _____

ANNEXURE–II:

STANDARD TECHNICAL SPECIFICATION FOR SELF CONTAINED BREATHING APPARATUS (SCBA)

STANDARD TECHNICAL SPECIFICATION FOR SELF CONTAINED BREATHING APPARATUS (SCBA)

1.0 SCOPE AND APPLICATION

This specification covers the minimum requirement for Self-Contained Open Circuit Air Breathing Apparatus Set (BA Set) to enable the wearer to breath-in and exhaled-out the air during escape from / entry into contaminated atmosphere for rescue and firefighting purpose.

2.0 GENERAL FEATURES

2.1 The BA Set shall be Self-contained, open circuit, positive pressure type compressed air breathing apparatus set with excess flow valve for firefighting and rescue purpose.

2.2 BA Set is classified according to the following effective air volume at a pressure of 1 bar absolute and a temp of 20 ^{o}C.

Water Capacity of Cylinder (Liters)	Air Volume Capacity of Cylinder (Liters)	Nominal working duration (Minutes)	Pressure of Cylinder (Kg/Cm^2)	Weight of BA Set (Kgs) with fully filled cylinder.
6.8 (Maximum)	1800 (Minimum)	45 (Minimum)	300 (Maximum)	12 (Maximum)

2.3 The set shall include lightweight back plate, light weight filled breathing air cylinder, face mask assembly, pressure reducers, lung demand valve, hoses, harness, Pressure Gauge, Distress Signal Unit (DSU), low pressure warning alarms etc. along with carrying case.

2.4 The complete Unit including cylinder shall be new and of recent manufacture i.e. not older than 1 (one) year as on the date of inspection.

2.5 BA Set shall be supplied with a provision for second man connection for supply of air to rescuer or victim for emergency rescue.

2.6 Any other accessories not covered in the specification, but necessary for smooth operation of the BA Set for the intended purpose, shall also be provided along with each BA Set.

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3.0 TECHNICAL FEATURES

3.1 CODES AND STANDARDS

The design, construction, safety requirements and testing of the BA Set shall conform to all relevant/applicable latest edition of National/International Codes & Standards or standard manufacturing practices suitable for the intended service.

The set and components should be approved to the following standards: -

S. No	Standards	Description
1	EN 137- 2006 Type 2 (Latest Revision) Or IS 10245 (Part 2): 2023 (Latest Revision)	Respiratory protective devices- Self-contained open circuit compressed air breathing apparatus with full face mask- Requirements, testing, marking. Or Respiratory Protective Devices - Specification Part 2 Self-Contained Open Circuit Breathing Apparatus (For Class 2 – Apparatus for Firefighting)
2	EN 136 (Class3) Or IS 14166: 1994	Respiratory protective devices - Full face masks - Requirements, testing, marking. Or Respiratory protective devices: Full-face masks
3	Gas Cylinder Rules, 2016	For cylinder and valve
4	IS/IEC 60079-11:2006	Explosive Atmospheres, Part 11- Equipment Protection by Intrinsic Safety "i"
5	PESO & ATEX/IECEx certifications	For electronic monitoring unit

3.2 CONSTRUCTIONAL FEATURES:

3.2.1 BACK PLATE AND BODY HARNESS:

a) It shall be antistatic and ergonomically designed to fit human back with a provision for height adjustment in three sizes i.e. Small, Medium and Large to customize the backplate to the wearer torso to ensure maximum comfort, reduce physical strain and fatigue, optimize advantage of centre of gravity in an optimum position for greater weight distribution, and ease in handling.

b) It shall have high degree of chemical, flame and impact resistance.

c) Back plate should have reflective surfaces over the entire back plate (back plate, shoulder and waist pads) to improve visibility and make it easier to locate team members in distress.

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d) The harness, buckles, straps and pads shall be lightweight and having resistance to temperature and flammability as per EN 137-Type 2 (latest revision) or IS: 10245 (Part 2) :2023 (or latest revision). Also, the harness material should be low-absorbent and liquid repellent material.

e) Harness shall not be riveted on back plate but shall pass through the back plate. It shall not deform over a range of environmental temperatures.

f) The waist belt shall be ergonomically designed to move in a vertical up and down movement to provide maximum movement when bending forward and stretching.

g) The shoulder and waist padding shall be constructed from a high abrasion resistant, high puncture resistant, slip and water-resistant material. The shoulder pads shall be wide for optimal support.

h) Shoulder pads should be designed with an ergonomic body contoured comfort style to maintain shape when worn, providing comfort and freedom of movement.

i) Each shoulder and waist harness padding must be easily detachable from the back plate without tools for easy cleaning and disinfection of the harness if required.

j) The pneumatic system should be easy to detach from the back plate and harness. Hoses shall be so routed /fitted into, inside the back plate that it will reduce the risk of snagging and entanglement. The back plate label should carry the following information:

    i) Make

    ii) Model No.

    iii) Part No.

    iv) Serial No.

    v) Year of manufacture

3.2.2 FACE MASK/ PIECE:

Face Mask shall meet following requirements:

a) Full face mask in accordance with EN 136 Class-3/IS 14166:1994 shall be provided and the full-face mask shall be marked with **"cl3+"**

b) Means for Speech Transmission in face mask shall be provided.

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c) Face mask shall have clear communication, low resistant exhalation valve and speech diaphragm to ensure excellent communication, adjustable net harness made of Kevlar for quick donning.

d) Face mask should cover all type of facial contours.

e) It shall be positive pressure type.

f) It shall also have provision for hands-free communication through walkie-talkie through an attachment (supply of walkie -talkie is not in the scope of bidder) in future, without affecting the approval of the mask or the set.

g) Mask body should be made from hypoallergenic, flexible and skin friendly Neoprene rubber material.

h) Mask design should be such that, if there is leakage in the outer sealing ring area, provision of extra sealing rings shall be there to maintain a seal.

i) There should be a perspiration drain to avoid skin irritation.

j) Visor should be of impact resistant material and should be easily replaceable

k) Mask should provide with 180° angle field of vision.

l) The exhalation valve cover and exhalation valve should be easily removable for ease of cleaning and decontamination.

m) Mask manufacturer name and part no. should be clearly embossed on the mask body and the part no should be co-relatable and verifiable with the approval certificate.

n) The mask should carry the following information:

i) Make

ii) Model No.

iii) Part No.

iv) Material of Construction (MOC) of Mask body

v) Material of Construction (MOC) of Visor

vi) Standard of approval/ “cl3+” Marking

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3.2.3 DEMAND VALVE:

a) The lung demand valve should automatically turn to positive pressure on the first breathing in and even at low pressure and shall maintain positive pressure inside the facemask as prescribed in the standard. Provision shall be made for purge button enabling the wearer to increase the flow of air into facemask in the event of facemask damage.

b) The Lung Demand Valve (LDV) should be of the balanced piston type to ensure sustained flow performance over a period of time and to minimize sound even when working and breathing hard.
The main body of the LDV should be moulded from a robust composite material with durable neoprene rubber cover for extra protection from impact, flame and chemicals.

c) It should be detachable and connected to the facemask, by a simple push-in mechanism from the front side of the facemask.

d) It should be capable of delivering minimum 400 LPM of air.

e) Once connected to the front port of the facemask, the LDV should be able to rotate to accommodate changing orientations of the wearer.

f) The LDV should not have small diameter internal bores to reduce the risk of blockages from foreign material and dirt

g) The LDV should utilize a quick release coupling on the hose that enables the LDV to be disconnected from the medium pressure hose.

h) The LDV should feature a wrap-around protective rubber cover.

i) The design should ensure that when fitted to the facemask it should not interfere with the field of vision whilst working.

j) The LDV should be marked with the name of the manufacturer and the part no. correlating the same to the approval certificate.

k) The LDV should have the following markings:

i) Name of manufacturer
ii) Part number
iii) Serial number or bar code of serial number

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3.2.4 PRESSURE GAUGE (INDICATOR) AND DISTRESS SIGNAL UNIT:

BA Set shall be provided with Automatic Distress Signal Unit (ADSU) integrated with Pressure indicating device (pressure gauge) comprising of the following features: -

a) Pressure indicating device (pressure gauge) shall be of digital type and shall have analogue display also. It shall be luminescent so as to read the gauge display in poor light as well. It shall withstand pressure greater than the maximum cylinder pressure so that it can operate continuously and accurately without overstrain and shall be shock resistant.

b) DSU shall be capable to detect the cessation of body movement of the wearer and shall activate an automatic audio-visual alarm. The DSU shall be able to activate manually as well. The DSU shall have resistance to Electromagnetic Environment.

The complete unit shall also include the following functions:

i) Manual Distress Signalling
ii) Visual & Acoustic Warnings and Alarms
iii) The distress alarm should generate sound of minimum 102 dB(A) measured at 250 mm
iv) Easy Push Button Operation
v) Display of Cylinder Pressure

c) The ADSU and electronic gauge device must be powered by a rechargeable central battery supply (suitable charger shall be provided for 230 VAC).

d) The battery housing must be tampered resistant. The complete battery housing shall be removable using a release key.

e) The unit should be light in weight.

f) The unit shall also comply all the requirements as per EN-137 (Type-2) or IS 10245 (Part 2):2023 (or latest revision).

g) All electronics should have ATEX /IECEx and PESO approval and shall comply with the class Ex ia IIC T4 in accordance with IS/IEC 60079-11.

h) The unit should be marked with the name of the manufacturer and the part no. correlating the same to the approval certificate.

i) It should have following markings:
   i) Name of manufacturer
   ii) Part number
   iii) Serial number
   iv) CE marking or marking and identification number of notified body
   v) ATEX/IECEx approval certificate reference

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3.2.5 PRESSURE REDUCER AND WARNING WHISTLE:

a) It shall meet the constructional requirements, safety features and performance parameters given in EN 137 -Type 2 or IS: 10245 (Part 2):2023 (or latest revision).

b) Warning Devices: It should have a mechanical warning whistle which should activate at a pressure of (55±5 Bar). Sound pressure level shall be at least 90 dB (A), measured at the ear closets to the device.

c) This warning whistle should in addition to the warning provided in the digital pressure monitoring unit when cylinder residual pressure reaches 55±5 bar.

d) The pressure reducer shall be durably marked with a serial number. The marking shall be such that year of production can be ascertained.

3.2.6 FLEXIBLE HOSE & TUBES:

a) It shall permit free head movement & shall not restrict or close off the air supply under chin or arm pressure.

b) Hose and tube in the set shall not have outer metallic cover/casing.

c) Hoses should have following markings correlating the same to the approval certificate
   i) Name of manufacturer
   ii) Part number

3.2.7 COMPRESSED AIR CYLINDER & MAIN VALVE ASSEMBLY:

a) Compressed Air Cylinder shall be light weight, Carbon Composite material (Type-4) with PET liner.

b) Manufacturer of the cylinder shall be approved by PESO.

c) Cylinder shall comply with the requirements for cylinder for breathable air and the cylinder valves for the applicable valves as given in the Gas Cylinder Rules, 2016.

d) Compressed Air Cylinders and the valves fitted shall have approval of the Petroleum & Explosive Safety Organization (PESO), Nagpur.

e) The main valve shall be so designed that the full pressure in the air cylinder cannot be applied rapidly to other parts of the BA Set.

f) Cylinder valve should be In-line top-wheel configuration valve with valve knob axis parallel to cylinder axis to enable right as well as left hand operation of valve and to protect valve from damage.

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g) Cylinder valve shall be so designed that the valve spindle cannot be completely unscrewed from the assembly during normal operation of the valve.

h) Cylinder valve shall be either lockable in the open position or designed so that it cannot be closed inadvertently by contact with a surface.

i) Cylinder shall have minimum life of 20 years from date of manufacture

j) The cylinder label should carry the following information:
   i) Make
   ii) Serial No.
   iii) Month and year of manufacture
   iv) Month and year of first hydrostatic pressure test
   v) Nominal unpressurized weight in kilograms, without valve.
   vi) Minimum water capacity in litres.
   vii) Maximum working pressure in bar
   viii) Test pressure
   ix) Standard which specifies the design, testing and production of the cylinder.
   x) Marking of the notified body
   xi) End of design life, after which the cylinder should not be used.

3.2.8 SPARE CYLINDER (Optional-Indenter to Specify if required):

One additional spare cylinder (of same type and capacity, filled with compressed Breathing air) of the same material and capacity may be provided as per the requirement of Indenter.

3.2.9 LEAK TIGHTNESS:

The BA Set shall be so designed & constructed as to prevent ingress of the external atmosphere within the limits as set out in EN 137-Type 2 (latest revision) or IS: 10245 (Part 2) :2023 (or latest revision).

3.2.10 CARRYING CASE:

a) Each BA Set shall be supplied in moulded LDP/FRP carrying case of good quality, so that all the components of BA Set fit in proper space allocated within box

b) Luggage / Travel Bags / Suitcases modified for the SCBA shall not be acceptable.

c) It shall be dust proof, waterproof & moisture resistance with SCBA embossed/screen printed on it.

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d) The entire BA Set with one cylinder shall be so secured in the carrying case such that cylinder, reducing valve and other vital parts of the BA Set are protected against direct blow and falling materials. Reflective/ fluorescent tapes (two) shall be provided on carrying case to make it visible in darkness.

3.2.11 TOOLS:

Each SCBA should be supplied the necessary tool required for opening the battery compartment for change of battery.

4.0 MARKING:

Breathing apparatus Set (BA Set) manufactured in compliance with this standard shall be marked as per EN 137-Type 2 (latest revision) or IS: 10245 (Part 2) :2023 (or latest revision) for class 2 classification of BA Set.

However, minimum marking on the set shall be as under: -

a) Manufacturer/supplier or importer identification by name or trademark

b) Month and Year of Manufacture

c) Make & Model of BA Set and Serial No. of Cylinder

d) Max. Weight of the complete BA Set with fully filled cylinder

e) Cylinder Filled Pressure

f) Sub-assemblies and components shall be marked (as mentioned in this Specification) so that they can be identified, if are too small the information shall also be given in the information supplied by the manufacturer.

g) The marking shall be clearly visible and durable

5.0 DOCUMENTS TO BE SUBMITTED ALONG WITH THE BIDS (For bid evaluation):

a) Approval certificate of EN 137: 2006 (Type 2) or BIS Certificate of IS 10245 (Part 2): 2023 (for class 2 classification) for the entire B A Set.

b) All components such as cylinder, back plate, pressure monitoring unit/electronic unit including DSU, mask, lung demand valve, pneumatics etc. should form part of the approval certificate of EN-137: 2006 (Type 2).

OR

Approval report with technical file copy submitted to BIS/ the

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complete test certificate with all annexures indicating all components as per testing schedule (Table 2) of IS 10245 (Part 2): 2023 including the Flame engulfment and flammability test certificates for Class-2 Apparatus Sets.

c) Copy of Quality Assurance Certificate as per Module B & Module D for PPE Category III in latest EU PPE regulation / latest BIS surveillance report.
d) EN 136 Cl3+ / IS 14166: 1994 approval for mask.

e) PESO approval certificate for cylinder and valve.

f) Manufacturer's catalogue and complete technical details of SCBA set & DSU

g) The bidder or the manufacturer shall have Hydro-test & Cylinder refilling facility as per PESO in India and PESO approval certificate of OEM / Bidder for refilling and hydro-testing of cylinder shall be submitted along with the offer.

h) Authorization certificate from the manufacturer to the bidder, if the bidder is a dealer

i) PESO/ATEX/IECEx certificate/approval for all the electronic devices like digital pressure gauge & DSU of the set ensuring the compliance with the class Ex ia IIC T4.

6.0 CERTIFICATES /APPROVALS REQUIRED TO BE SUBMITTED AT THE TIME OF INSPECTION:

a) Entire set shall be approved to EN137: 2006 (Type 2) or IS 10245 (Part 2): 2023 (for class 2 classification) as per the latest regulations and approval certificate of EN 137: 2006 (Type 2) or BIS IS 10245 (Part 2): 2023 (for class 2 classification) shall be provided.

b) All components such as cylinder, back plate, pressure monitoring unit/electronic unit including DSU, mask, lung demand valve, pneumatics etc. should form part of the approval certificate of EN-137: 2006 (Type 2).

OR

Approval report with technical file copy submitted to BIS/ the complete test certificate with all annexures indicating all components as per testing schedule (Table 2) of IS 10245 (Part 2): 2023 including the Flame engulfment and flammability test certificates for Class-2 Apparatus Sets.

c) Copy of Quality Assurance Certificate as per Module B & Module D for PPE Category III in latest EU PPE regulation / latest BIS surveillance

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report.

d) EN 136 Cl3+ / IS 14166: 1994 approval for mask.

e) PESO approval certificate for cylinder and valve.

f) PESO/ATEX/IECEx certificate/approval for all the electronic devices like digital pressure gauge & DSU of the set ensuring the compliance with the class Ex ia IIC T4.

g) The bidder or the manufacturer shall have Hydro-test & Cylinder refilling facility as per PESO in India and PESO approval certificate of OEM / Bidder for refilling and hydro-testing of cylinder shall be submitted.

h) Original hydro-test certificate of cylinder and cylinder valve

i) Quality Certificate of Breathable air filled in the cylinder as per Annexure A of IS:9623 (latest revision)

j) Calibration Certificate of Pressure Gauge

k) Documents of country origin if imported

7.0 MISCELLANEOUS:

The following requirements shall be specified by the user/indenter in detail for the intended item based on their requirement as per laid down ONGC procedures:

a) Literature, Manual, Drawings & other relevant Documents etc.

b) List of operational spares & consumables

c) Warrantee & guarantee certificate

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