

MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION
(Government of Maharashtra Undertaking)



TENDER FOR

NAME OF WORK: Supply of Disaster Management Independent Monitor (70 nos) and Multipurpose Protective Ensemble (114 nos) for MIDC Fire Service

Sub Work : Supply of Disaster Management Independent Monitor (70 nos) and Multipurpose Protective Ensemble (114 nos) for MIDC Fire Service

ESTIMATED COST : Rs.20,81,18,000/- (Excluding GST)

COST OF TENDER FORM : Rs29,500/- including 18% GST)

LAST DATE OF RECEIPT OF TENDER : 05/06/2026 @1:00PM

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NAME OF WORK: Supply of Disaster Management Independent Monitor (70nos) and Multipurpose Protective Ensemble (114 nos) for MIDC Fire Service

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TENDER NOTICE 02 OF 2026.

Tenders are invited by the under signed for the following work;

NAME OF WORK: Supply of Disaster Management Independent Monitor (70nos) and Multipurpose Protective Ensemble (114 nos) for MIDC Fire Service

SubWork: Supply of Disaster Management Independent Monitor (70nos) and Multipurpose Protective Ensemble (114nos) For MIDC Fire Service

ESTIMATED COST : Rs:20,81,18,000/- (Excluding GST)

The blank tender forms are available on E-tendering module on, <https://mahatenders.gov.in>. The Tenderer /Bidder are requested to download the entire tender document from Maha-tender's website. The last date of submission of E-tender along with all documents duly filled in shall be submitted on or before 05/06/2026 up to 13.00Hrs, and shall be opened on 05/06/2026 @16:00 Hrs. if possible. For further details, please see detail tender notice on <https://mahatenders.gov.in> website.

The right to reject any or all Tenders without assigning any reason thereof is reserved by the undersigned.

DATE:

_____TENDER NOTICE ENDS HERE_____

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DETAILED TENDER NOTICE No.02 OF 2026.

E-Tenders are invited by the undersigned from the eligible and experienced manufacturers or dealers with either the bidder or manufacturer having experience of supplying the tendered items to the various fire services of Government Organizations, MNC in India or reputed organization's internationally, for supply of the tendered items as per the details of tender as given below. An amount given below towards Earnest Money Deposit (EMD) in favor of CAO, cost of blank tender application support fees, shall be paid online and scanned copy of the same shall be uploaded at relevant location. The tender will be considered only if the enclosures are in proper order. An EMD will be forfeited in case if the bidder refuses to pay the security deposit as noted below after the acceptance of the tender within the specified time limit otherwise it will be refunded.

The work is to be completed within the stipulated time as noted below.

1.	Name of Work	Supply of Disaster Management Independent Monitor (70nos) and Multipurpose Protective Ensemble (114nos)for MIDC Fire Service
2.	Sub Work	Supply of Disaster Management Independent Monitor (70 nos) and Multipurpose Protective Ensemble (114 nos)for MIDC FireService
3.	Estimated Cost	Rs.20,81,18,000/- (Excluding GST)
4.	Earnest Money Deposit	Rs. 20,81,180/- pay online only No exemption of EMD is applicable on any ground.
5.	Cost of Blank Tender form	Rs. 29500/--(Including18%GST) pay online(Non refundable)
6.	Application Support Fee	Rs.-1180/- pay online(Non refundable)
7.	Security Deposit (Total5%)	Successful bidder will have to pay Rs. 41,62,360/-or 2% of tendered cost whichever is higher by D.D. of Nationalize Bank/Scheduled Bank/and Rs.62,43,540/- or 3% of tendered cost whichever is higher through RA bills.

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8.	Additional performance security	Additional performance security will be charged as applicable as per the Circular NO: CE (H@)/13/2019, Dt. 04/07/2019.
9.	Time Period for completion of supply	240 days from the date of issue of supply order.
10.	Availability of the blank tender form	12/05/2026 @ 10:00Hrs. (to be download from the website)
11.	Queries from the bidders	The bidder can raise queries online only on E Tendering portal up to 15/05/2026 @ 06.00PM (Only Online)
12.	Reply to queries from MIDC	Reply Will be published on website on or before 19/05/2026 @ 06.00PM (Only Online)
13.	Last date of submission of tender	05/06/2026 upto 13.00hrs.
14.	Date of opening of the Tender	Tender will be opened on 05/06/2026 at 16:00 hrs. (if possible) Tender will be opened only of those bidders who qualified the tender conditions. Price bids will not be opened of those bidders, who will not physically submit their samples of Disaster Management Independent Monitor and Multipurpose Protective Ensemble as mentioned in "Schedule-B" at the office of the "Chief Fire Officer & Fire Advisor, "Udyog Sarathi" MIDC HQ, Mahakali Caves Rd., Marol, Andheri (E) Mumbai-93
15.	Eligibility	<p>The Bidders should be registered company and the date of incorporation of company should be more than 03 years before the last date of submission.</p> <p>The Bidder shall not have average turnover less than Rs. 10,40,59,000/- (NR) during each of last 03 calendar years.</p> <p>The Bidder shall not be blacklisted by any Govt., Semi Govt., ULB's and Public Sector organization of state and central Govt.</p> <p>Authorizations letter along with the relevant certificates for the Disaster Management Independent Monitor (70 nos) and Multipurpose Protective Ensemble (114 nos) to be submitted from the respective manufacturers along with the tender documents.</p>

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		<p>5) The manufacturer / authorized dealer should have supplied similar products to various fire services anywhere in the world.(An experience of only manufacturer (OEM)will be also considered)</p> <p>6) The manufacturer(OEM)/authorized dealer should have after sales service facility within the state of Maharashtra</p> <p>7) Samples of both items shall be submitted as sample within 7 days from the due date of the tender Both items will be jointly evaluated in total, hence bidder should quote for both items independently and only bidders who qualify for both items will be considered for further evaluation.</p> <p>8) If required this department may place repeat purchase order for additional quantity on same rates & Terms & Condition.</p>
14	Compensation	Rs.5000/-per day/set for delay in work.
15	Validity of offer	120daysfromthedataofopeningofthetender.

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INSTRUCTIONS TO BIDDERS

1. I) Important Note: The information regarding the tender & the facility to download will be available on mahatender.gov.in E tendering on website .Downloaded & duly completed tender form shall be submitted (by eligible Bidders only) without making any change in the script of tender document, after submission of tender it is noticed that the tender script is modified in any manner whatsoever, the tender will be summarily rejected without assigning any reason thereof. Bidders may upload their queries on or before expiry of query period.
II) Expiry of query period: The replies to the queries received before the due date will be published on the website which should be downloaded by the tenderer. The document of reply to the queries of the Bidder will form a part & parcel of the tender document & the clarifications given in the document will supersede the provisions of the tender. After the tender is accepted & offer letter is issued to the Bidder an agreement shall be executed with the Bidder on the tender copy prepared/printed by MIDC.
2. The tenderer shall upload scanned copy / copies of the following documents at appropriate place online:
 - a) Proof of Online payment for tender fees and EMD separately.
 - b) Turnover certificate issued by a Chartered accountant and IT Return certificates for last 3 years.
 - d) Declaration that the company is not blacklisted by any Govt., Semi-Govt., ULB's and Public Sector organization of state and central Govt. as per Annexure-A
 - e) The manufacturer /authorized dealer should have Experience of supplying similar products to various fire services/ reputed organizations in the world .P.O. copies of supply shall be submitted by the bidder.
3. The Submission of tender shall be done in the manner prescribed by MIDC only.

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4. If the contents of Envelope No. 1 are not found as per the tender conditions of MIDC, the Envelope No. 2 will not be opened on any grounds & the tender shall be summarily rejected without assigning any reason thereof.

5. The hard copy of the tender documents shall also be submitted at MIDC, Andheri Office in two envelopes on or before the last date of submission of tender document

i.e. on or before 05/06/2026 upto 13:00 hrs, as under:

Envelope 1 Online payment receipts

- A. EMD amount (Bid Security)--Rs:20,81,180/-
- B. Cost of blank tender form—Rs29500/- (Including 18% GST)
- C. Application support amount—Rs. 1180/- (Including 18% GST)

Containing the Technical details, specification, Company Brochures, Experience Certificates, Turnover certificate & Income Tax Returns, Authorization letter along with all relevant approvals, certificates.

Envelope 2—shall contain only “schedule B” i.e. Commercial (Price) Bid.

6. Tenderer/Bidder shall sign digitally wherever required.

7. The tenderer shall be bound to keep the offer open up to 120 Days from the date of opening of the tender. (i.e. from opening of First Envelope of tender)

8. The acceptance of the tender rests with the competent authority which does not bind itself to accept the lowest tender & reserves the right to accept / reject any or all tenders without assigning any reason thereof.

9. The notes & conditions stipulated in this notice & elsewhere in the tender shall form the part of the agreement.

10. If it is found that the information submitted is misleading/ false or if it is found that certain information is hidden, then the Bidder will be disqualified during any stage of tender process without assigning any reason even after opening of tender.

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11. Tender will be opened at "Udyog Sarathi" MIDCHQ office, Andheri, Mahakali Caves Rd. Marol, Andheri (E) Mumbai-93. Tender will be opened on 05/06/2026 at 16.00hrs. (If possible) Tender will be opened only of those bidders who qualified as per the tender conditions. Price bids will not be opened of those bidders, who does not qualify for both the items together.
12. Hard copies of all the documents (uploaded on online) should be submitted duly sealed & signed in Envelop-1 and shall be filled up with the online payment Receipts.

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CERTIFICATE

CERTIFIED that I/we,

Have read and understood the contents of the tender documents completely and agreed with above mentioned terms and conditions. No issue will be raised by us in respect of the points already clarified in the text of the tender.

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Name of Work: - Supply of Disaster Management Independent Monitor (70 nos) and Multipurpose Protective Ensemble (114 nos) for MIDC Fire Service

Affidavit for Non-Blacklisting and action under Indian Penal Code for false/fraudulent documents (Affidavit to be uploaded by tenderer in envelope No.1 on Rs.500/-stamp paper duly notarized.)

Name of work-

Place address

(Authorized signatory to sign the contract), hereby submit, vide this affidavit in truth, that I am the owner of the contracting firm/authorized signatory and I am submitting the documents in envelope No.1 for the purpose of scrutiny of the contract. I hereby agree with the conditions mentioned below: -

- 19.1 Certify that all the statements made in the required attachments are true and correct
- 19.2 The undersigned also hereby certifies that neither our firm M/s -----PAN No.have abandoned any work nor any contract awarded to us for such works have been rescinded, during last five years prior to the date of this bid.
- 19.3 The undersigned hereby authorize (s) and request(s) any bank, person, firm or corporation to furnish pertinent information deemed necessary and requested by the Department to verify this statement or regarding my (our) competence and general reputation
- 19.4 I, the undersigned declare that as on date neither our company is blacklisted/banned nor any action of deregistration has been taken against our company by any Government/Semi-Government /Public Sector Undertaking/Urban Local body /Municipal Corporation etc.
- 19.5 The undersigned understand and agrees that further qualifying information may be requested and agrees to furnish any such information at the request of the Department, Project implementing agency within time frame as specified in this document.
- 19.6 I am liable for action under Indian Penal Code for submission of any false/fraudulent paper /information submitted in envelope no.1.

Contractor

**Chief Fire Officer & Fire Advisor
MIDC, Mumbai-93**

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19.7 I am liable for action under Indian Penal Code if during contract period and defect liability period, any false information, false bill of purchases supporting proof of purchase, proof of testing submitted by my staff, subletting company or by myself, I will be liable for action under Indian Penal Code.

19.8 I am liable for action under Indian Penal Code if any papers are found false / fraudulent during contract period and even after the completion of contract (finalization of final bill).

(Signed by an Authorized Officer of the Firm)

Note: Please note the Bidders shall sign the Affidavit and upload the same in envelope no.1, failing which their tender will not be opened & summarily rejected.

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CLAUSE FOR PAYMENT OF STAMP DUTY

As per Article 63 of Schedule – I of Bombay Stamp Act 1958, stamp duty charges shall be as follows: Works contract that is to say a contract for works and labour or services involving transfer of property in goods (whether as goods or in some other form) in its execution and includes sub-contract.

a)	Where the amount or value set forth in such contract does not exceed Rs.5 lakhs Rs.500/	(Five hundred rupees)
b)	Where it exceeds Rs.5 lakhs	Five hundred rupees plus 0.3 per cent of the amount above rupees Five lakhs subject to maximum of rupees twenty five lakhs

The contractor whose offer will be accepted will be called for execution of the agreement and shall only be liable to pay the stamp duty applicable thereon. The payment of stamp duty of required amount shall be done by the contractor through Government Receipt Accounting System (GRAS) to the State Govt.

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(16) SAMPLE FOR MAT FOR EVIDENCE OF ACCESS TO OR AVAILABILITY OF
CREDIT FACILITIES BANK CERTIFICATE (Letter of Credit)

(Issued by any Nationalized or Bank approved by Govt. of Maharashtra)

This is to certify that M/s. _____ is a reputed company with a good financial standing. If the contract for the work----- is awarded to the above firm, we shall be able to provide overdraft/credit facilities to the extent of Rs _____ to meet their working capital requirements for executing the above contract during the contract period.-

(The Bidders are requested to upload the Bank Certificate containing above details in 1st envelope, failing which the 2nd envelope will not be opened)

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CLAUSE FOR REIMBURSEMENT OF TAXES/DUTIES

While submitting the tender, the Bidder shall consider the prevailing taxes & duties on the date of submission. In case there is statutory increase in the taxes/duties, the Bidder shall submit documentary evidence for the payment of the same. On verification of the documents, the reimbursement will be made if there is increase. In case there is reduction in the statutory taxes/duties, deduction will be effected.

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DEDUCTION OF INCOME TAX

The Income Tax including surcharges or percentage in force from time to time or at the rate as intimated by the competent Income Tax authority shall be deducted from bill amount whether measured bill, advance payment or secured advance.

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GOODS AND SERVICE TAX CLAUSE

1. The Bidder in person himself or his registered firm or institute or public limited company or organization or construction agency or any other agency should be registered under GST Regulations and authorized documents shall be submitted along with the tender. (Registration Certificate Duly Self Certified)
2. The rates quoted by the tenderer/Bidder should be exclusive of all taxes, duties or any type of taxes which will be imposed by Central Govt. or State Govt. or local bodies excluding GST. It shall be the responsibility of Bidder to make the payment of GST to concerned department and all other taxes to relevant departments within prescribed period as per Act.
3. The rates quoted by the tenderer/Bidder should be excluding GST.
4. As per notification No.2/2018 issued by Govt. of India, Ministry of Finance, GST is not applicable for composite supply of goods and services in which the value of goods constitutes not more than 25% and the work involved is covered under article 243G or 243 W of the constitution i.e. functions entrusted to Panchayat or Municipality.
5. The TDS of GST at a prescribed rate will be deducted as per provisions of section 51 of CGST Act 2017 at the time of payment made or invoice/bill credited to the Account of the bidder/Bidder of taxable Goods and Services or both, where contract value exceeds the prescribed threshold limit presently Rupees Two lakhs and fifty thousand in a year. The deduction will be made as per provisions of section 51 of the GST Act when ever made operative.
6. The provisions of GST Law will be applicable for all types of advances given against the awarded contracts.
7. Whenever the Bidder is not required to be registered under GST Act, the declaration to this effect will have to be obtained from the Bidder evidencing or justifying with reasons.
8. Currencies: All payments shall be made in Indian Rupees.

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Additional Contract Condition for substitution of Excise Duty, MVAT, Service Tax, Octroi, LBT etc. By GST

In this tender document whenever reference is made to Excise Duty, MVAT, Service Tax, Octroi, LBT, etc. the same shall now be referred as GST in case of all laws that are subsumed in GST Law

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CLAUSE FOR RECOVERY OF ADDITIONAL PERFORMANCE SECURITY FOR THE TENDERS RECEIVED BELOW THE ESTIMATED COST AND ADDITIONAL SECURITY DEPOSIT FOR THE QUANTITIES EXCEEDING 125% AND EIRLs

A) Clause for Recovery of additional Performance Security for the tenders received below the estimated cost

1) In case the contractor has quoted the offer for tender below the estimated cost, then the contractor shall have to pay additional Performance Security in the form of DD/BG of the amount as mentioned below:

a) No additional performance security deposit will have to be paid if the tender offer is received up to 1% below the estimated cost, however if the offer quoted is 1.01 to 10% below the estimated cost, then the additional Performance Security amount shall be 1% of the estimated cost.

b) If the offer quoted is more than 10% below up to 15% below the estimated cost, then the additional performance security deposit shall be equal to the amount of percentage more than 10% below + the amount as per (a) above. (For example, if the tender received at 14% below, the additional performance security shall be – up to 10% = 1% + (14%-10%) = 1 + 4 = Total 5% of the estimated cost).

c) If the offer quoted is more than 15% below the estimated cost, then the additional performance security deposit shall be equal to double the amount of percentage more than 15% below + 1% for each percentage beyond 10% up to 15% + the amount as per (a) above. (For example, if tender received at 19% below equal to for first 10% below 1% + (15-10=5) + 2 X (19-15=4)) = 1% + 5% + 8% = 14%).

2) The DD/BG towards additional performance Security shall be drawn in favour of the Executive Engineer concerned. For the amount up to Rs. 50,000/- only the DD shall be accepted & for the amount above Rs.50,000/- DD / BG shall be accepted.

3) It is mandatory to have MICR and IFSC code of the Bank on the DD.

4) The contractor shall submit the original DD/BG towards additional performance security within 8 working days from the date of opening of 2nd envelope. DD/BG towards additional performance security will not be accepted after 8 working days from the date of opening of 2nd envelope in any case.

5) Contractors whose DD/BG towards additional performance security are found false or if he fails to submit the DD/BG within prescribed time limit of 8 working days from the date of opening of 2nd Envelope, then all such contractors shall be banned from submitting the tenders in MIDC for a period of one year & the EMD of such contractors shall be forfeited

6) Further in such cases after forfeiting EMD of the lowest agency (L-1 contractor), the L-2 contractor shall be asked in writing whether he is ready to execute the work at the rates lower than L-1. If the L-2 contractor agrees, then additional performance security deposit shall be obtained from L-2 contractor and his tender with revised offer shall be accepted or recommended for approval.

7) The additional performance security shall be refunded to the contractor within 3 months. from the date of completion of work.

8) The validity of BG of additional performance security is 3 months after intended date of completion of work.

B) Clause for recovery of additional security deposit for the quantities exceeding 125% and extra Item Rate List(EIRL)

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It shall also be noted that security deposit for the quantities exceeding 125% of the tendered quantities and/or EIRL, shall also be deducted at the % to be recovered through bills (i.e. in cash) as mentioned in the tender text.

The security deposit so recovered in above events shall be refunded after satisfactory completion of defect liability period

Clause for use of CBuD app before carrying out any digging activity

- 1) Contractor to do any type of digging only after prior intimation through Call Before you Dig (CBuD) App and as per its terms and conditions.
- 2) Contractor to use CBuD App before commencing any type of digging anywhere under the scope of this contract.

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Additional Contract Condition for substitution of Excise D

UNDERTAKING OF MINIMUM CASH INVESTMENT

I,-----the
undersigned do hereby undertake that our firm M/s ----- would invest
a minimum cash up to 25% of the work during implementation of the Contract.

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**FORM – F
FINANCIAL STATEMENT**

1. Name of Applicant:
2. Turnover in terms of value of works executed during each year (as reflected in the Profit & Loss Account)
3. Approximate value of works in hand
4. Bid Capacity i.e. $(A \times N \times 2) - B$ Where

A=Maximum of the updated values of works executed in one of the preceding 5 years. The updating of the value of work should be done at 10 % per annum (compounded) by multiplying the values with applicable factor i.e. 1.1, 1.21, 1.331, 1.46 or 1.61 as the case may be.

B = Value of existing commitment of works (on going or to be completed in the period stipulated for completion of the work in the present tender).

N = Number of years prescribed for completion of the project for this work.

Certified that the information given is based on the facts and figures recorded in this office through various documents and is true to the best of my knowledge and belief.

Signature of the Chartered Accountant Signature of Contractor
(With seal)

Note: It shall be noted that, if the information given above is found to be misleading or false, the action will be initiated to intimate the name of the CA to the institute of Chartered Accounts of India, for appropriate punitive action.

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DECLARATION FOR NON-EMPLOYMENT OF EX-MIDC EMPLOYEE

I/We hereby declare that in the formation of our Company, either by way of partnership or consultant, no MIDC ex-employee has been on the enrolment of the Company. It is further to certify that the ex-employee of the MIDC, who has joined the Company, has completed 2 years from his date of resignation from MIDC or from the date of retirement from MIDC.

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NAME OF WORK: Supply of Disaster Management Independent Monitor (70 nos) and Multipurpose Protective Ensemble (114 nos) for MIDC Fire Service

Sub Work : Supply of Disaster Management Independent Monitor (70 nos) and Multipurpose Protective Ensemble (114 nos) for MIDC Fire Service

GENERAL TERMS AND CONDITIONS: -

1. Rates quoted in Price Schedule enclosed, it should be exclusive of GST and inclusive of all duties, freight charges loading & unloading transportation up to the respective fire station. The bidders, in price schedule should give details of basic price.
2. The Price evolutions will be made as per lowest rates received for each sub head in Price scheduled Firefighter Personal Safety Device accordingly the work order will be issued.

ELIGIBILITY OF BIDDERS/BIDDER:-

- 1) The Bidder should be registered firm / company and the date of incorporation of firm / company should be more than 03 years before the last date of submission.
- 2) The Bidder shall have not less than 10,40,59,000/- of turnover during each of the last 03 calendar years.
- 3) The Bidder shall not be blacklisted by any Govt., Semi Govt., ULB's and Public Sector organization of state and central Govt.
- 4) Authorizations letter along with the approval certificates for the equipment should be submitted from the respective manufacturers along with the tender documents.
- 5) The manufacturer / authorised dealer should have supplied similar sets to various fire services/ reputed organizations in the world.

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3. Delivery: The complete items shall be delivered at MIDC's 11 Fire stations situated at various Indl. Area across the state of Maharashtra as per the list given by The Chief Fire Officer. No transportation charges, or any other charges will be paid extra
4. Validity: Offer should remain valid for not less than 120 days from the date of opening the tender.
5. Tax: The rate shall be exclusive of GST and duties and any other incidental charges if any.
6. Tenderer must quote the rates in the prescribed Price schedule only. Rates quoted elsewhere will not be considered. These rates to be submitted online only as prescribed.
7. Acceptance Test:
The test of material shall be carried out as specified in the relevant standards and the manufacturer's certificate for such test shall be submitted by the bidder at the time of supply.
8. Compensation: An amount of Rs. 5000/- per day will be charged as liquidated damage for delay in supply of material within the stipulated period.
9. Delivery Period:- Within 240 days from the date of Supply order.
10. Quantity: - Total Quantity Of The Disaster Management Independent Monitor Is 70 Nos And Multipurpose Protective Ensemble Is 114 Nos, However the variation of quantities \pm 25% may be considered. The actual quantity will be communicated at time of supply order & if required Repeat purchase order may be placed as per the departments' requirement on successful bidder on same rate & terms & conditions.

TESTING & INSPECTION & TRAINING:-

- The Chief Fire Officer & Fire Adviser, MIDC. Mumbai and or his authorized representative will carry out the inspection and the testing of the equipment / Device at the factory premises of the manufacturer at the country of origin prior to dispatch.
- Inspection will be carried out by a team of minimum two (2) members at the manufacturers premises at the country of origin.

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- It is obligatory on the bidder to provide all the assistance and equipment for the inspection and testing & operational training of the equipment / Device at their premises.
- Vendor shall inform an inspection schedule well in advance if he intends to offer the equipment / Device in batches for inspection to avoid wastage of time and effort of inspection team.

TAXES & DUTIES: -

The Offer should be exclusive of GST, all applicable taxes, duties, transportation charges etc. should be included in the offer itself. Tax elements included in the offer may be indicated in the covering letter. No extra payment will be paid on any ground; it is the duty of bidder to ascertain for all applicable & prevailing taxes. The rates quoted by the bidder shall be deemed to be including Inspection, testing & training charges at works, all taxes such as GST in force prevailing on the date of opening of tender.

Validity: - Validity of offers shall remain valid for 120 days. The successful tenderer will have to comply with the conditions given in the attached tender form and will have to enter into written agreement for the supply work as given in the form. Any additional information required can be obtained from The Chief Fire Officer, Fire Advisor, MIDC whose office is situated at Udyog Sarathi Building, Mahakali Caves Road, Marol, Andheri (E), Mumbai-400093.

TERMS OF PAYMENT:-

The cost of work carried out by the bidder as per Schedule 'B' shall be treated as exclusive of GST and inclusive of all duties and incidental charges, transportation etc.

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The part payment shall be released as under: -

- a) 90% Payment will be released after delivery of Equipment in good & acceptable condition at 11 locations across the Maharashtra state as intimated by The Chief Fire Officer within the stipulated time limit as mentioned in tender.
- b) Balance 10% amount will be released after successful commissioning and operation training of the equipment at 11 locations as intimated by the Chief Fire Officer.
- c) The bidder will not be entitled to claim or make any payment against the proof of dispatch or part delivery of any item. No payment against railway or goods transport receipt through Bank will be entertained. MIDC will not be responsible for any delay due to loss of time in transit and the bidder will be liable to pay compensation due to late completion of work as per terms of contract.
- c) Warranty/Guarantee Period: -Warranty/Guarantee period shall be of 1 year from the date of supply against any defective workmanship or material.
- d) Return of Security Deposit: -Total security deposit will be returned only after completion of the Warranty /Guarantee period of 1 year.

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TECHNICAL SPECIFICATIONS

Disaster Management Independent Monitor

This tender calls for supply of Disaster Management Independent Monitor for the use of MIDC fire service as per the specifications given below.

- 1). the independent monitor should be complete with following components:
 - 868MHz, 24Ah Pump
 - Battery and Charging Set
 - Basic Gas Detection Instrument
 - Cat Ex sensor
 - O2 sensor
 - H2S and CO sensor
 - Cl2 sensor
- 2) Monitor should come fitted with above sensors but have the option and capability of changing the sensor combination on site, in the same instrument, if required, in future
- 3) Weight should not exceed 12 kg with 24Ah rechargeable battery.
- 4) It should be constructed with a rugged non-corrosive polymer material.
- 5) It should be capable of withstanding drops from a height of 1 m (3.2 ft) without any damages.
- 6) It should be designed to allow gas access from 360° by diffusion so that it can be positioned in any direction independent of the wind direction.
- 7) It should have high standing stability to be able to withstand even strong storms of up to 120 km/h or vibrations without tumbling down.
- 8) Supply should include a portable Multi gas monitor that can also be used as a personal air monitor inserted in the independent monitor.
- 9) The gas and instrument alarms (audible and visual) should be amplified by the instrument.
- 10) No separate charging should be required for the personal air monitor. The personal monitor inserted in the independent monitor should be charged from the independent monitor.
- 11) The independent monitor should have feet of at least 5 cm height, so that the instrument is protected against splash water or wet undergrounds.
- 12) An optional socket should be available to heighten up to 25 cm.
- 13) It should have multi-tone audible alarm with decibel level of 108 dB at 100 cm and 120 dB at 30 cm.
- 14) It should have facility to reduce the loudness of the audible alarm down to 80 dB @ 30 cm.
- 15) It should also have a highly visible red colour visual alarm that can be seen from all sides.
- 16) It should have facility to configure different alarm patterns with the help of a PC software.
- 17) It should have a green life signal to make the proper operation of the area monitor visible. It should be possible to switch off the life signal.
- 18) It should be possible to configure alarm patterns and frequencies of the life signal to "Off"/ "only visual"/ "only audible"/ "visual and audible" with the help of a PC software.
- 19) The independent monitor should differentiate between pre alarm and main alarm visually and audibly. The personal air monitor should transfer the alarm threshold to the independent monitor.

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- 20) The instrument should alarm the user visually and audibly in case of exceeded STEL or TWA levels. The personal air monitor should transfer the short term exposure limit (STEL) and time weighted average (TWA) alarms to the independent monitor.
- 21) The instrument should send a pre alarm when losing the battery capacity and a main alarm when the battery is empty.
- 22) When an error occurs in the electronics or instrument, the instrument should be capable of alerting the user by a distinct fault alarm.
- 23) Instrument design should allow the possibility of a fence line of 25 instruments if required with the alarm of any one of the devices transferrable to the whole fence line group.
- 24) The wireless alarm transfer between 2 devices should be possible within a distance of up to 100 m.
- 25) The design should be such that the wireless coupling of the devices happens automatically after they are switched "On".
- 26) In case of multiple devices used as a fence line, it should be possible to visually differentiate between the gas alarming unit (mother alarm) and units with a daughter alarm with the mother alarm in red colour, and the daughter alarms in red / green colour.
- 27) When the devices are wireless coupled with other instruments a green status LED should be displayed to ensure a quick identification of the existing radio status.
- 28) It should be possible to switch off the wireless alarm transfer function with help of a PC software.
- 29) It should be possible to arrange groups, so that alarms can be transferred only within a defined group. A configuration of groups should be possible with help of a PC Software or on the devices.
- 30) It should have a lead acid battery providing an operation time of 120 hours with typically 30 minutes' alarm per day.
- 31) A battery status indication should show the remaining battery capacity as > 66%, >33% and < 66% and < 33%. The LED indication with colour change should be visible within standby mode.
- 32) The measurement and alarm data of the alarm amplifiers should be accessible by a data interface.
- 33) The data protocol should be Modbus RTU.
- 34) The instrument should have following approvals:
 - ATEX approval to II 1G Ex ia IIC T3 Ga, II 2G Ex ia d IIC T4 Gb, EN 60079-00; EN60079-01-2004; EN 60079-11-2007; and EN 60079-26-2006
 - PESO
 - IEC Ex ia IIC T4, Ex ia IIC T3 Ga, and Ex ia d IIC T4 Gb
 - The protection class of the monitor shall be IP 67 dust-and-waterproof, without losing the capability to detect explosive organic vapours.
- 35) It should be CE marked
- 36) It should be compliant to the requirements of the RoHs guideline 2002/95/EC.
- 37) Tender-specific authorization from OEM should be submitted if bid not being submitted by OEM.
- 38) The manufacturer of the product should have a registered Office and after-sales service set-up with all necessary equipment in India for post-supply service continuity. Registration / GST Certificate of OEM should be submitted along with the technical offer.

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TECHNICAL SPECIFICATIONS

Multipurpose Protective Ensemble

This tender calls for supply of Multipurpose Protective Ensemble for the use of MIDC fire service as per the specifications given below.

- 1). It should be of reusable designed to protect the wearer and his/her personal protective equipment under extreme conditions encountered by fire departments and search and rescue organizations against chemicals, biological agents like lewisite, mustard agent, soman, sarin, tabun and VX, radioactive particles and other toxic substances and suitable for use even in explosive areas and for handling cryogenic substances.
- 2). It should not be of limited use design
- 3). It should be approved to all of the following standards
 - EN 943-1:2002, Type 1a
 - EN 943-2:2002, Type 1a
 - EN 1073-2
 - EN 1073-1
 - EN 14126
 - SOLAS
 - ISO 16602
 - EN ISO 13688
- 4). The certificates submitted should include all above approvals and should be complete with all components in this specification including the external air supply, ventilation valve and automatic switch-over valve being a part of the certificate.
- 5). The ensemble's fabric should be minimum five-layered with a sturdy elastomer layer as well as a barrier layer resistant to chemicals on the inside as well as the outside, to allow the ensemble to retain its full protective capacity even when the material on the outside becomes damaged.
- 6). The ensemble material should have electrostatic properties making it possible to use in explosive areas.
- 7). The fabric should be flexible making it possible to handle liquefied gases at very low temperatures
- 8). The ensemble material should meet the requirements with respect to resistance to biological agents and resistance to the exposure to flash fire flames.
- 9). It should have a height adjustment feature to make it comfortable for users of different heights
- 10). It should have wide PVC visor of minimum 400 mm x 400mm shaped such that the user who is wearing a full-face mask, when viewing straight, should have an almost complete field of vision.
- 11). The visor should be integrated into the ensemble and protected against mechanical damage by an exchangeable protective visor.
- 12). To prevent fogging-up of the visor on the inside the ensemble should be equipped with an exchangeable anti-fog visor.

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- 13). It should have metal chain zipper on the outside and a draw shackle both on the inside and outside running on the front left of the ensemble from head to calf, closing from bottom to top and protected by a cover flap which is closed throughout with a Velcro.
- 14). It should be supplied with two grease sticks for lubrication of the zipper.
- 15). It should have gas-tight integrated socks.
- 16). It should be equipped with an integrated combination of gloves that are resistant to chemical substances on the inside and puncture/cut protection gloves that are resistant to chemical substances (as per EN 388 and EN 374) outside.
- 17). The gloves should be attached to the ensemble such that they can be exchanged any time without any tools or additional spare parts such as lead seals.
- 18). It should be equipped with a padding that protects the ensemble material and the top, bottom and rear of the backpack from the breathing device edges and the cylinder respectively.
- 19). It should be equipped with an inside pocket for the radio.
- 20). It should be possible to attach a Push-To-Talk-Button inside.
- 21). It should be equipped with a facility that allows the wearer to read off the pressure on the pressure gauge of the breathing device without having to pull the arm out of the sleeve.
- 22). The ensemble material should be resistant to the chemical substances listed below in accordance with EN 943, part 2

Chemical substance	Breakthrough time in min
- Acetone	>480
- Ethyl acetate	>480
- Acetonitrile	>480
- Ethylene oxide	>480
- Sodium hydroxide 40 %	>480
- Ammonia	>480
- Hydrogen chloride	>480
- 1,3-Butadiene	>480
- Sulphuric acid 96 %	>480
- Carbon disulphide	>480
- Methanol	>480
- Tetrachloroethylene	>480
- Chlorine	>480
- Methyl chloride	>480
- Tetrahydrofuran	>480
- Dichloromethane	>480
- Toluene	>480
- Dimethylamine	>480
- n-Heptane	>480

- 23). The ensemble material should meet the following minimum requirement of mechanical resistance according to EN 943, part 2:

Property	Class
- Abrasion resistance	6
- Flex cracking resistance	6
- Flex cracking resistance at -30°C	6
- Tear & Puncture resistance	3

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- Tensile strength 6
- Seam strength 6
- Burst resistance 6
- Protection against flames 3

- 24). It should have a mechanism for external air supply, ventilation and switch-over as follows:
- For comfort, safety and also to enable a fully equipped Rescue team to be placed on stand-by without losing breathing air and with minimal thermal stress, the ensemble should be provided with a mechanism which enables the user to connect breathing set to an external air supply without affecting the approvals of the ensemble
 - This mechanism should also provide cooling effect to the user and reduce internal humidity.
 - If the external air supply fails, this mechanism should safely and without interruption, automatically switch to the breathing set for its supply of air.
 - After switching to breathing set supply, a warning device should warn that the wearer is now breathing from cylinder air.
 - During the switch-over operation the mechanism should maintain positive pressure within the face piece at all times.
 - The mechanism should have feature to provide adjustable ventilation rate to the user providing cool compressed air to the legs, arms, and chest areas of the ensemble.
 - The switchover pressure from external source should be at 4.0 to 5.0 bar and to the external air source should be 5.0 to 5.8 bar
- 25). Without being used and when maintaining the recommended storage conditions and service intervals the material properties of the protection ensemble must be maintained for at least 15 years from date of manufacture without any condition of inspection in between these 15 years. Relevant document from OEM regarding shelf life should be submitted. Conditional extension of shelf life after inspection will not be considered.
- 26). The ensemble must be delivered lead sealed so that a pressure test is not necessary during the first five years if the ensemble is in original lead-sealed condition. Despite the lead seal an incoming goods inspection must be possible.
- 27). It must be possible to wash the ensemble in industrial washing machines.
- 28). It must also be possible to clean the ensemble in washing, disinfecting and drying cabins.
- 29). Tender-specific authorization from OEM should be submitted if bid not being submitted by OEM.
- 30). The manufacturer of the ensemble should have a registered Office and after-sales service set-up with all necessary equipment in India for post-supply service continuity. Registration / GST Certificate of OEM should be submitted along with the technical offer.

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DETAILS OF MANUFACTURER/BIDDER

Details filled in this form must be accompanied by sufficient documentary evidence in order to verify the correctness of the information.

Sr. No.	Item	Details
1	Name of the Company	
2	E-mail address/website	
3	Telephone and Fax numbers	
4	Constitution of the Company	
5	Name of the Managing Director/Owner	
6	Turnover and profit of the company FY 2022-2023, 2023-2024, 2024-25	
7	Income tax Returns (copy of Income Tax Returns submitted to income Tax Department.	
8	Whether direct Manufacturer /Bidder or authorized dealers, If dealers certificate of Authorized dealers.	
9	Name and address of Distributors /dealers/marketing agents	
10	Address & location of Manufacturing facility	
11	Manufacturing Capacity(Product-wise)	
12	Licensed Capacity	
13	Actual Production/sales of quoted items During last two years	
14	Brief Description of facilities for Manufacturer/ Bidder, production, inspection, and testing and quality assurance.	

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15	Are you providing comprehensive post warranty to Organizations at Mumbai and other locations where you have supplied similar goods in the past? If yes, then furnish details of such organizations	
16	Are above past customer Organizations Satisfied with the performance and quality of service rendered?	

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THE COMPLETE SET WILL CONSIST OF FOLLOWINGS
(As per the detailed specification mentioned above)

Sr.No	Particular	Required Quantity	Rates quoted per Item	Total Amount
1	Disaster Management Independent Monitor	70		
2	Multipurpose Protective Ensemble	114		

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PRICE SCHEDULE (Final) "B"

Sr.No	Particular	Required Quantity	Rates quoted per item	Total Amount
1	Disaster Management Independent Monitor	70		
2	Multipurpose Protective Ensemble	114		

(Rs)

(The Above prices should be excluding GST & including freight charges, loading & unloading, transportation up to the respective fire station)

I/WE agree to execute the items mentioned in schedule "B" at the rates quoted above by me/us. All the terms and condition mentioned in the tender document are accepted