

HEADQUARTERS OF HOMEGUARDS AND CIVIL DEFENCE SDRF  
J&K SRINAGAR.

**TENDER NOTICE NO. 06 OF 2014**

For and on behalf of Governor of J&K State, sealed tenders are hereby invited from the manufacturers, approved/authorized dealers, affixing revenue stamp worth Rs 5/- for the supply of **Rescue Equipments as per annexure "A"**. Approved/authorised dealers shall attach valid and authenticated copy of authorization letter of the manufacturers **without which the offer shall be rejected.**

- i. For one offer/sample, the OEM (**Original Equipment Manufacturer**), shall authorise only one firm to participate in the tender. Authorising more than one firm for the same sample/product shall not be entertained and may even lead to disqualification of the tender.
  - ii. For imported items, the requirement of sample would not be required at the time of submitting of tenders and instead face description of the products, supported by catalogues and other material must be furnished for Technical Evaluation. However, in case such firm is shortlisted or recommended for award of contract, the firm shall have to deposit the sample with the Deptt, before placing of supply/purchase order with such firm/business concern.
  - iii. However, for the indigenously manufactured items/equipments the furnishing/depositing of the sample with the tender is **must**.
2. The tenders accompanied with samples (as described above) should reach the office of the undersigned on or before 06-07-2014 upto 1600 hours positively. The offer without sample or catalogue with full specifications shall not be considered. **Only one rate for each item shall be considered, as such the firms shall quote only one rate against each item which shall strictly meet the requirements of the tender.** The tenders should be addressed to **Addl. Director General of Police, Homeguards / Civil Defence & SDRF J&K Srinagar** and envelopes should be super scribed "**Tender No. 06 of 2014 for Disaster Management Rescue Equipments**". The tender may be sent either by speed post / registered post/courier or delivered personally at the Directorate of Aux. Police/HG & CD, J&K Srinagar against proper receipt.
3. The tender (Technical Bids) will be opened on 07-07-2014 at 1100 hours at the Directorate of SDRF/HG & CD J&K Srinagar in presence of such tenderers who may choose to be present. In case of any unforeseen/ unavoidable circumstances the tenders will be opened on next working day. Financial/Commercial bids of technically qualified firms will be opened subsequently on the co-opt convenient date which shall be notified separately.
4. The intending tenderers shall have to furnish Earnest Money in the shape of CDR/FDR equivalent to 2% of the total value of contract or Rs 1,00,000/- (Rupees one lac) in lump sum pledged to the ADGP HG/CD & SDRF J&K Srinagar. Failure to furnish the earnest money alongwith tender will make it liable for disqualification. However, J&K Govt. Rules with regard to furnishing of EMD in respect of SSI units (Registered) shall be applicable in letter & spirit. The Govt/Semi- Govt. or similar other concerns, claiming exemption from the payment of EMD shall have to append duly authenticated orders, certificates etc. from competent authority supporting their claims.

5. The tender fee has been fixed as Rs 2000/- which should accompany the tender offer in the shape of a crossed demand draft favouring ADGP HG/CD & SDRF J&K Srinagar payable at Srinagar. The tender fee is not refundable and the same will be deposited in Govt. Treasury under A/C Head 0070-Other receipts tender fee for the year 2014-15. The tender offer will not be considered without tender fee. However, Govt./semi-Govt concerned claiming exemption should append authenticated orders, certificates etc. issued by the competent authority in support of their claim.

6. The approved firms will have to furnish Security Deposit @ 5% of the total value of the contract after receipt of the supply orders in the shape of CDR/FDR pledged to this office which shall be released in due course of time after expiry of the specified warranty. The Earnest Money shall also be adjusted in the Security Deposit on application.

7. The successful tenderers will have to arrange onsite installation and training to the end users as and when asked for.

8. The tenderers shall provide warranty for a minimum period of one year covering all the systems, sub systems .The cost of warranty period will be included in the quoted price. If during the aforesaid period, the said stores be discovered not conforming to the description and quality or not giving satisfactory performance or have deteriorated, the decision of the purchaser in that behalf shall be final and binding on the contractor and purchaser shall be entitled to call upon the contractor to rectify the goods or such portion thereof as is found to be defective by the purchaser within a reasonable period or such specified period as may be allowed by the purchaser in his discretion on an application made thereof by the contractor and in such an event, the above mentioned warranty period shall apply to the goods rectified from the date of rectification thereof. In case of failure of the contractor to rectify or replace the goods etc within specified time, the purchaser shall be entitled to recover the cost with all expenses from the contractor for such defective stores. The firm shall also furnish the expected life period of each item.

9. **The rates should be quoted inclusive of all taxes, levies, freight, transport and other charges to the place of delivery and stocking at the places of HG/CD Central store Gandhi Nagar Jammu/ Bagat Barzulla Srinagar. The present rate of J&K State Entry Tax is 13.5% which shall be reimbursed only against production of original G.R. Rates must be clearly written in figures as well as in words, free from over writings, cuttings and alterations. Rates quoted should be on firm price basis.**

10. The earnest money will be refunded to the unsuccessful tenderers shall be released soon after the finalization of tender process.

11. The successful tenderers have to supply the items within two months from the date of issue of the supply order.
12. Quality/specification should be categorically mentioned in the tender.
13. The undersigned may accept or reject any tender without assigning any reason and without any legal obligation.
14. All legal proceedings arising out of any dispute between the parties shall have to be settled in the Courts situated in Jammu and Srinagar and not elsewhere.
15. Payment shall be released by the department against each consignment delivered, inspected, accepted and properly brought on stock in the concerned stock registers of the Department.
16. The tenderers are required to furnish an authenticated copy of latest Sales Tax/VAT/ clearance certificates and PAN and VAT registration certificate(alongwith the tender offer or at the time of payments). This office shall be at liberty to put to scrutiny/ verification any such document, in case required.
17. The successful tenderer shall have to enter into an agreement on prescribed proforma (immediately after the issue of supply order) with the Department for due performance of the contract which shall be invariably furnished before the supply is made.
18. **Two Bid System:** a) First Cover (Technical Bid) should contain Tender documents duly completed and signed accompanied with Earnest money, Tender Fee, Delivery terms, delivery period to be quoted and all other documents mentioned in the Tender Notice, **BUT WITHOUT INDICATING THE RATES**. Copies of supply orders of any Govt. department/CPMF/State Police Force placed during last three years shall also be enclosed with the **Technical Bid**. This cover may be then sealed properly.  
  
b) Second Cover (Commercial Bid) should contain the **Details of rates, duties, taxes etc. These details should be submitted on their letter pad without any alterations/over-writings/cuttings** and should be sealed properly.  
c) Third Cover containing both the technical and commercial bids should be sealed properly.

..... 4 .....

19. The detailed tender with specification of items is available on our website [www.jkcivildefence.org](http://www.jkcivildefence.org) & PHQ J&K's official website [www.jkpolice.gov.in](http://www.jkpolice.gov.in) which can also be had from Directorate of HG/CD & SDRF ZPHQ Complex Batmaloo Srinagar.

Sd/-  
Addl. Director General of Police,  
HG/CD & SDRF,  
J&K Srinagar.

No:- Prov-T/SDRF/14-15/8109-10

Dated:- 31-05-2014.

## Annexure-“A”

S.No.	Name of item with specifications	Tentative Qty.
1	<p><b>Hand Held Gas Detector</b>:- Explosive meter should be a portable instrument for continuously measuring presence of explosive gases or vapour and giving the digital display of the level of VGAS and also giving vibrating alarm once the gas concentration exceed the set alarm threshold:</p> <p><b>Instrument</b>:- A single, gas instrument for Ex measurement</p> <p><b>Measuring Range</b>:- 0 to 100% lel &amp; 0 to 100 Vol % for CH4</p> <p><b>Resolution</b>: 1 % LEL &amp; 1 Vol % CH4</p> <p><b>Sensor</b>:- Catalytic combustion &amp; thermal conductivity for Ex Gas.</p> <p><b>Warranty</b>:- Not less than 2 years for the Ex sensor</p> <p>Alarms:- 2 alarms levels both audio &amp; visual at lease 85 DB for Ex Gas, Low battery alarm with or without vibrating alarm</p> <p>Display:- Digital LCD/LED backlit display</p> <p>Overating Temp.:- -25DEG to +55DEG. C</p> <p>Humidity:- 10 to 95 % R.H</p> <p>Power Sources :- Rechargeable Battery Operating time&gt; 12 hours, charge time &lt; 4 hours</p> <p>Software:- Microprocessor based operation with password protection for calibration &amp; alarm setting instrument gives 4 hours TWA readout.</p> <p>Optional:- An external Pump available to draw</p> <p>Meters:- Sample from a distance if 10</p> <p>Approvals:- ATEX/CSA/UL/CCE</p> <p>The tenderer shall indicate the make/model in their offer They shall mention the relevant ATEX/CSA/UL/CCE certificate of the product offered Technical manual comprising of servicing details shall be supplied with system</p>	24 Nos.
2	<p><b>Multi Gas Detector</b>:- Chemical Agent Monitor is required which should be hand held and portable. Chemical Agent Monitor is required for detection of chemical hazardous agents, mapping the contaminated zone, monitoring the individuals before and after decontamination, checking the residual contamination in the venue/area after decontamination, etc.</p> <p><b>General Requirements:</b></p> <ol style="list-style-type: none"> <li>1.Equipment should be sturdy and must have uninterrupted operation in Indian metrological conditions with wide range of temperature.</li> <li>2.Equipment should be User-friendly.</li> <li>3.Accuracy of the equipment should be such that it provides minimum false alarm.</li> <li>4.Automatic adaptation to the varying natural background levels.</li> <li>5.It should be possible to integrate with other equipment, networking, command and control stations, etc. wherever required.</li> <li>6.Wide range of measurement of chemical agents.</li> </ol> <p><b>Operational Requirements</b></p> <ol style="list-style-type: none"> <li>1.Chemical agent detector must be compatible with communication capable of transferring the real time data.</li> <li>2.The chemical agent detector must be capable to reprogram for the up gradation of new libraries.</li> <li>3.The chemical agent detector must be capable to store the data.</li> <li>4.Chemical agent detector must be able to withstand environmental condition arising due to sand, dust, rain, fog, etc.</li> <li>5.Chemical agent detector must be able to detect all chemical warfare agents and toxic industrial chemicals.</li> <li>6.Chemical agent detector must be highly sensitive and identify the chemical agents in real time.</li> <li>7.Recovery of the detector should be fast.</li> <li>8.Chemical agent detector must be fully automated and have self calibrating in built system.</li> <li>9.Chemical agent detector should be capable of working minimum of 4 hrs continuously.</li> </ol> <p><b>Technical specifications</b></p>	24 Nos.

- 1.Sensitivity: G and V agent 1mg/m<sup>3</sup> or less, H, L and HN 50 mg/ m<sup>3</sup> or less, CG, CK, TICs and TIMs 50mg/m<sup>3</sup> or less.
- 2.Specificity: The agent type to be displayed along with concentration/concentration bar level.
- 3.Integration with monitoring system: should be possible
- 4.False positivity/false alarm : As minimum as possible.
- 5.Response time : 10-120 seconds for G and V agent in concentration range from 10 ug to 1mg/m<sup>3</sup> , 10-120 second for H,L and HN in concentration range from 1-50 mg/m<sup>3</sup> , 10-120 seconds for CG,CK,TICs and TIMs in concentration range from 10-50 mg/m<sup>3</sup>
- 6.Recovery time: As fast as possible, not more than 3 minutes.
- 7.Power Supply: Power backup minimum 4 hrs and also it should work with normal supply of 200-250 V, 50 Hz uninterruptible.
- 8.Continuous operation: Up to a period of 4 hrs minimum.
- 9.Operating temperature range: -5 to +50
- 10.Storage temperature range: -20 to +70 °C.
- 11.The chemical detector shall be capable of networking with comprehensive communication links such as RS-232, RS-422, Ethernet, Fibre optic and RF options.
- 12.Relative humidity shall not affect the operation.
- 13.The chemical agent detector shall withstand the vibrations up to 1.5g.
- 14.The chemical agent detector shall be able to provide concentration level in form of display bar and the type of the chemical agent.
- 15.Alarm: Audio and visual.

#### **Terms & conditions**

- 1.Installation and commissioning: Suppliers responsibility.
- 2.Performance demonstration: Against live agents and stimulants at manufacturers place and also on site by the supplier using their own sources.
- 3.Hands on training: Both onsite and offsite.
- 4.Comprehensive warranty: Two years from the date of commissioning.
- 5.After sale service: Prompt sales service for a minimum period of 5 years with the availability of spare parts for the same model after warranty period.
- 6.Backup service: Power backup minimum 4 hrs.
- 7.Zero down time during operational requirement: For replacement of any defective/faulty/malfunctioning equipment/spare parts.
- 8.Withstanding Meteorological conditions: To withstand Indian meteorological conditions.
- 9.Availability of expendable items which ever are applicable should be quoted in sufficient numbers (approximately 10 numbers per unit).
- 10.Availability of expendable items which ever are applicable should be quoted in sufficient numbers (approximately 10 numbers per unit)
- 11.One set of standard spare part must be made available.
- 12.One number of training simulator based on the working principle similar to the stores (detectors) ordered for supply should also be supplied.

#### **SPECIFICATION FOR MULTIGAS DETECTOR (BIOLOGICAL AGENT MONITOR)**

##### **Scope**

The hand held bio detectors will be used for the detection of biological agents so as to provide rapid identification of potential bio attacks and to detect agents in time to warn, protect and minimize casualties.

##### **General requirements**

- 1.The requirement should screen multiple biological agents simultaneously and ability to detect Anthrax, Plague, Tularaemia, Brucella, Cholera, Q Fever, Small pox, viral hemorrhagic fever agents, Ricin, Abrin, Botulinum and SEB (Staphylococcal Enter toxin B).
- 2.The equipment should be light enough to be carried for both indoor and outdoor Monitoring with deployment ready for emergency use.
- 3.The equipment should be robust with high accuracy, should have the ability to detect and differentiate the bio threat agents and the interferences giving minimum or no false alarm.
- 4.The hand held bio detector should identify the bio threat agents either by immunological or by molecular method.
- 5.The response time of the biological agent detector should be very less.
- 6.The equipment should have 100% decontamination ability.

	<p><b>Operational Requirements</b></p> <ol style="list-style-type: none"> <li>1.The biological agent detector should be available in Hand held format/portable format foeasy handling and should have battery backup.</li> <li>2.Equipment should be sturdy and must have uninterrupted operation in Indian meteorological conditions arising due to sand, dust, rain, fog etc.</li> <li>3.The detector shall be capable to reprogram for the up gradation of new libraries/organisms.</li> <li>4.The biological agent detector shall be capable to store the data.</li> <li>5.Equipment should have the possibility of integrating with other equipment, possibility networking with CBRN management systems, command and control stations etc wherever required.</li> <li>6.Instrument should operate with baseline correction and background information.</li> <li>7.The equipment should have user friendly.</li> </ol> <p><b>Technical specifications</b></p> <ol style="list-style-type: none"> <li>1.Assay time: less than 45 minutes.</li> <li>2.Sensitivity: Sensitivity: <math>10^3 - 10^5</math> CFU for bacteria <math>10^3 - 10^5</math> OFU for viruses 1 ng-pg fotoxins.</li> <li>3.Quantification of the agent: Required</li> <li>4.Integration with monitoring system: Required</li> <li>5.Response time: 15-45 minutes</li> <li>6.Power supply: 200-250 V, 50 Hz with battery backup.</li> <li>7.Operating temperature range: (-) <math>5^\circ</math> to <math>+50^\circ</math> C</li> <li>8.Storage temperature range: (-) <math>20^\circ</math> to <math>+70^\circ</math> C</li> <li>9.Humidity range: 0-95% RH</li> <li>10.Sample collector: Required.</li> </ol> <p><b>Terms and conditions</b></p> <ol style="list-style-type: none"> <li>1.Installation and commissioning: Suppliers responsibility.</li> <li>2.Performance demonstration: Against live agents and stimulants at manufacturers place and also on site by the supplier using their own sources.</li> <li>3.Hands on training: Both onsite and offsite.</li> <li>4.Comprehensive warranty: Two years from the date of commissioning.</li> <li>5.After sale service: Prompt sales service for a minimum period of 5 years with the availability of spare parts for the same model after warranty period.</li> <li>6.Backup service: Power backup minimum 4 hrs.</li> <li>7.Zero down time during operational requirement: For replacement of any defective/ faulty/ malfunctioning equipment/ spare parts.</li> <li>8. Withstanding Meteorological conditions: To withstand Indian meteorological conditions.</li> <li>9.Availability of expendable items which ever are applicable should be quoted (one set per unit)</li> <li>10.One set of standard spare part must be made available.</li> </ol>	
3	<p><b><u>Circular Saw (Electric) 16”</u></b></p> <p>Circular saws are heavy duty power tools required in search and rescue operation for various carpentry tasks associated with access and extrication like cutting and sawing of timber, wooden beams, door frames, fallen tress etc. Typically these are light enough to be used by one operator and are electrically powered</p> <p><b>SPECIFICATION</b></p> <ol style="list-style-type: none"> <li>1. Electrically powered motor operating in 100 to 250 volts with power consummation between 1600 to 2500 watts .15 ampere three core electrical cord 5 meter length with three pin plug will be provided.</li> <li>2. Idling speed of motor up to 2000 to 3000 rpm with a maximum load rpm of 1200 to 1500 rpm. The motor should have a minimum endurance for continuous operation up to 60 minutes.</li> <li>3. Should incorporate easily locatable push button start and an electric brake quick stoppage.</li> <li>4. Size of blade : More than 12 inches diameter with an arbor not exceeding 3.2cm (1.25inches) the blade provided will be carbide tipped blade with minimum 32 teeth</li> <li>5. the cutting capacity of the blade should exceed 125 mm at 90 degrees and 82mm at 45 degrees the saw should enable stable blade rotation and a depth adjustment lever. A shaft lock will be provided for effecting blade damage .</li> <li>6. The weight of the saw with blade should not more than 17kg.</li> <li>7. Rubberized wrap around saw and support handles with protection arrangement for shielding operator from debris and kick backs will be provided .</li> <li>8. Noise level during operation at full load should not exceed 100Dbat a distance of one meter. ACCESSORIES</li> </ol>	96 Nos.

	<p>9. The equipment will be supplied with following.</p> <p>a) Two Spare carbide tipped blades.</p> <p>b) Tool Kit c) Operating and Maintenance manual .</p> <p>Replacement Carbide Tipped Blade for circular saw</p> <p>Specifications of blade mentioned above</p>	
4	<p><b>Multi Cable Winch:-</b> The Multi Cable Winch should be required for small rescue work, the 4 to 5 hp rated Motor, which should provide at least pulling power of 5 tons. It should have line retrieval speed not less than 6 meters/minutes at full pull. This compact winch shall complete with handle/mounting system for a class III two inch receiver, hawse fairlead, remote control with minimum 3.6 meters, and free spool clutch and battery cable with mounting kits</p> <p>1. The tendered shall indicate the make/model in their offer.</p> <p>2. The tendered shall furnish the clause by clause compliance statement. In case there is any deviation the same should be clearly brought out in the offer.</p> <p><input type="checkbox"/> They shall mention the relevant BIS/EN/DIN/UL certification of the product offered.</p> <p>Technical manual comprising of servicing details shall be supplied with system</p>	24 Nos.
5	<p><b>Bullet Chain Saw</b></p> <p><b>Carbide Tipped chain saw are petrol engine driven saws designed to cut through different building material like timber, masonry, metal sheet ,FRP ,PVC etc ( nut not concrete) these are extremely useful for first responder for inspection, ventilation and obtaining access to victim during CSSR and for other tasks relating to extrication and recovery during natural and man made disasters.</b></p> <p><b>Engine:-</b> Two stroke, single cylinder ,air colled petrol engine</p> <p><b>Displacement within 100 cc generating power:-</b> Between 5 to 6.54 Hp</p> <p><b>Engine speed :-</b> Between 10000 to 14000 RPM at no load</p> <p><b>Chain speed:-</b> Between 25 to 30 m/s</p> <p>Ignition system:- Electronic with easy preferably one button start up (to be specified).</p> <p><b>Guard bar length:-</b> 16 Inch- one piece construction</p> <p><b>Cutting Chain:-</b> Carbide tipped with loc king key and solid bullet rake gauge of size 404 pitch .063 Gauge with heavy duty tie straps and tempered rivets. Fully automatic chain broke system for quick stoppage when required. Arrangement for adjusting chain tension should be available.</p> <p><b>Provision for setting :-</b> Should have provision for setting and adjusting depth of cut.</p> <p><b>Operator Safety and comfort :</b> Full wrap handle and arrangement for reducing vibration to be specified.</p> <p><b>Weight :-</b> With in 12 kg</p> <p><b>Noise level:-</b> Less than 110 dB @ 1 meter</p> <p><b>Depth of cut:-</b> 6 to 8 “</p> <p><b>Fuel tank capacity:-</b> 0.70 to 1 litre</p> <p><b>NOTE TO TENDERER</b></p> <p>1. Vendor will specify the following for technical evaluation.</p> <p>2. Details ignition and starting system.</p> <p>3. Details of carburettor drive system and air filtration</p> <p>4. Details of cutting chain.</p> <p>5. Certification if any BIS,ANSI.</p> <p>6. Vendor will provide appropriate carry case, operation manual and maintenance tools.</p> <p>7. Vendor will quote for one complete equipment with spare carbide tipped chain and also indicate separately costs of additional carbide tipped chain.</p>	24 Nos.
6	<p><b>Hammer Drill Concrete:-</b></p> <p>The Hammer drill concrete is designed for drilling inspection hole in the concrete surface and for making stitch hole for braking. The hammer drill should have speed control, Shock absorbing handle with variable speed.</p> <p><b>TECHNICAL DATA :-</b></p> <p>1. power input : not more less than 750 watt on variable speed.</p> <p>2. Nominal Speed : 0-930 (Right rotation –900 ) (Left rotation not less than 400)</p> <p>3. Impact Rate :- Not less than 2 j</p>	24Nos.



	<p>4. Electrical cord :- 5 mtr in length with 15 amp plug.</p> <p>5. Weight :- Not more than 3.5 kg.</p> <p>6. Accessories :- Adjustable bits of different diameter 5 mm and 10 mm for concrete, 10mm &amp; 15mm for steel and 20 mm, 30mm &amp; 40mm for wood.</p> <p>NOTE TO TENDERER :-</p> <p>1. The tenderer shall indicate the make model in their offer.</p> <p>2. The tenderer shall furnish the clause by clause compliance statement. In case there is any deviation the same should be clearly brought out in the offer.</p>	
7	<p><b>Disaster Management Kit:-</b> The Disaster Management Kit is handy and easily carrying toolbox containing multi utility tools/equipments. The disaster management kit should have following tools along with the quantity of each equipments mentioned against each other;-</p> <p>a) Multi Purpose Tools: A set of versatile combination of following tools.</p> <p>i) Axe (Medium) : 01 No.</p> <p>ii) Hydrant Key : 01 No.</p> <p>iii) Spanner Wrench : 01 No.</p> <p>iv) Pry Bar : 01 No.</p> <p>v) Vise Grip : 01 No.</p> <p>vi) Gas shut-off Gear : 01 Set</p> <p>b) <b>Utility Holster:</b> This should be rugged, water resistant. The utility holster should have large front pockets, two elastic loops, D ring and protective cover flap with hook and loop closure to accommodate most of the barrel-shaped mini flashlight. c) Overall chemical Suits (PVC) EN Complaints-03 Nos</p> <p>d) Gloves for rescue job (Soft leather) EN Complaints-03 pairs e) Gloves for handling hazardous-03 pairs Chemical (PVC) EN Complaints</p>	48 Nos.
08	<p><b><u>KEYHOLE SAWS WITH SET OF FOUR SAWS</u></b></p> <p><b>Specifications</b></p> <p><b>SPECIFICATION OF KEY HOLE SAW WITH COMPLETE SET (BIS/DIN/EN/IS or EQUIVALENT )</b></p> <p>a) Saw blade type: Metallic high tensile steel used for wood &amp; metal cutting.</p> <p>b) Saw use: It is a flat blade used in combination with normal bit &amp; having tips as cutting edge, having a centre hole to insert the drill bit.</p> <p>c) Saw blade diameter: Complete set of 04 saws of dia 2.54 Cms , 5.08 Cms, 7.62 Cms, and 10.16 Cms.</p> <p>d) Compatibility: Compatible with Electric drill equipment.</p> <p>The tendered shall indicate the make/model in their offer. The tendered shall Furnish the clause by clause compliance statement. In case there is any deviation the me should be clearly brought out in the offer.</p> <p>They shall mention the relevant BIS/EN/DIN/UL certification of the product offered. Technical manual comprising of servicing details shall be supplied with system</p>	96 Nos.
09	<p><b><u>PVC Suits:-</u></b> The suit is a PVC material, consisting of Coat, Pant and hood with replaceable acrylic visor. This suit clothing is used for protection of the wearer against acid and alkali splashes in chemical, fertilizers and pharmaceutical material.</p> <p><b>Technical specification:</b></p> <p>The suit is designed and manufactured of high quality PVC considering comfort of movement to the wearer. The joints are uniformly welded to avoid chemical spilling inside the clothing. Non-metallic buttons or otherwise are provided for total protection to the wearer.</p> <p>The tendered shall indicate the make/model in their offer.</p> <p>The tendered shall furnish the clause by clause compliance statement. In case there is any deviation, the same should be clearly brought out in the offer.</p> <p>They shall mention the relevant BIS/EN/DIN/UL certification of the product offered. Technical manual comprising of servicing details shall be supplied with system. Relevant Test certificate shall be provided from a Govt. approved laboratory or from the manufacturer their office.</p>	48 Nos.
10	<p><b><u>MANIKMIN FACE SHIELD (100 PCs)</u></b></p> <p>Rectangular Barrier device used by rescuer when giving mouth mouth/mouth –nose ventilation in patients.</p> <p>Size 7”x12” outer synthetic layer and 5”x7” central rectangular sieve like filter of non absorbent white plastic; The outer layer has a central hole of 1.5” diameter in the area of contact with patient mouth/nose and rescuer mouth with intervening filter layer Package: Single use disposable, Confirming to IS 1179/1967</p>	96 Nos.

11	<p><b>Life Detector</b></p> <p>1. The human Life Detection System will be used by Rescue Workers to determine, without risking lives by entering; whether anyone is trapped inside a burning or collapsed building. It should help to locate trapped or marooned victims in a disaster area. Reducing both search times and danger to rescuers and to find lost or injured people faster in hostile terrain, bad weather, collapsed trenches, even underwater. The system should have the discrimination capability for detecting only living human beings and not deceased humans or living animals. The principle of working is based on the equipment's capability of detecting living human beings by detecting the distinctive electro-magnetic field created by their heartbeat. This is achieved by use of the special hand held equipment.</p> <p><b>Required Capabilities and specifications</b></p> <p>2. The instrument should be in full compliance with following specifications:-</p> <ol style="list-style-type: none"> <li>1. It should be capable of passively detecting the presence of living humans behind thick barriers such as concrete walls, steel gates, trees, and @ 500 meters in the open air.</li> <li>2. It should be capable of passively detecting the non-uniform electric fields of living humans. It should not detect animal life.</li> <li>3. Field of view: Horizontal plane: at least -2 to + degrees</li> </ol> <p>Vertically plane:</p> <ul style="list-style-type: none"> <li>• At least - 60 to + 60 degrees in open air.</li> <li>• At least - 40 to + 40 degrees in composite structure .</li> <li>• - 20 to + 20 degrees on and all-metal grounded platform.</li> <li>• Detection range: It will come with two range adjustment devices (RADs) as follows: <ul style="list-style-type: none"> <li>- All metal RAD up to 500 meters</li> <li>- Composite RAD up to 20 meters</li> </ul> </li> </ul> <p>* Target tracking - in detection mode, once the Life detector has fixed on target, even if it is moving, the life detector will continue tracking the target.</p> <p>D) It will have a built - in Red laser (used to show direction in dark areas) and Environmental parameters for optimum performance will be:-</p> <ol style="list-style-type: none"> <li>1. Operating temperature: -10 to + 45 degrees Celsius</li> <li>2. Storage temperature : -40 to + 85 degrees Celsius</li> </ol> <p>* Instrument will be water resistant.</p> <p>(E) Power: (Internal)- rechargeable 8.4 V DC battery for the laser. Operating time: 3 hours in continuous operation. Charging time : 14 to 16 hours-charge should be provided.</p> <p>* Weight: &lt; 1kg</p> <p>* Hard carrying case or bag for accommodating the instrument will be provided.</p> <p>(F) Instrument environmental parameters for optimum performance</p> <ol style="list-style-type: none"> <li>1. Operating temperature : - 40 to +85 degrees Celsius</li> <li>2. Storage temperature : - 40 to +85 degrees Celsius</li> </ol> <p>(G) The supplier will provide full training on the set to the user for a minimum of three days. This training will include on day in house classroom training on theoretical aspects including troubleshooting and maintenance and two days of field training and techniques to ease detection.</p> <p><b>SPECIFICATION FOR HUMAN LIFE DETECTOR TYPE-I</b></p> <p><b>GENERAL</b></p> <p>Life detector a seismic/acoustic listening device, light weight and easy to carry, designed specially to detect and locate trapped, live victims in collapsed structures caused by earthquakes, explosion, landslides, construction cave-ins or mine disasters and should include the control unit, sensors, sensors spikes, connecting cables and spools, Magnetic Clamps, Headphones, intercom probe, AC power supply battery pack and carry bag (for control unit) with all required accessories.</p>	24 Nos.
----	---	---------

	<p>The Life Detector should be provided with 6 sensors.</p> <p><b>TECHNICAL SPECIFICATIONS</b></p> <p><b>(F) MAIN UNIT</b></p> <p><b>INPUT OF SENSOR/INTERCOM/PROBE</b>  Seismic sensor input impedance : &gt; 6K Ohms  Intercom probe input impedance : &gt; 3 K Ohms</p> <p><b>HEADSET OUTPUT</b>  For headphones : 1/" stereo jack  Output power, variable : 0.13 W/60 Ohms</p> <p><b>FREQUENCY RANGE</b>  1 Hz to 3000 Hz</p> <p><b>FILTERS (FIXED SWITCH ABLE) 425</b>  "Rumble" : High pass 100 Hz  "PWR" : Notch 50 Hz and 60 Hz  "Hiss" : Low pass 600 Hz</p> <p><b>SIGNAL DISPLAY</b>  LED Bar graph any 2 channels or sum of all channel, range 60 db.</p> <p><b>(I) SESMIC/ ACOUSTIC SENSOR (POSITION INSENSITIVE)</b>  Frequency Range : 1 Hz to 300 Hz  Shock resistant : &gt; 1000 g</p> <p><b>(J) © POWER SUPPLY</b>  Battery operated, low battery alert  Alkaline battery type: Appropriate Operating time at approx. 20 deg. C  : &gt; 20 hrs.  Ext. DC Input : 10.8 to 28.8 VDC  AC/DC converter,  AC line frequency : 47 to 63 Hz  Nominal AC line voltage : 100 to 240 VAC</p> <p><b>(K) AMBIENT TEMPERATURE</b>  Storage and transport : -20 degree to + 70 degree C  Nominal operating range : -15 degree to + 60 degree or more.</p> <p><b>Each system /life detector should contain following :-</b>  1) sensor spike - 6 Nos (2) Magnetic sensor clamp – 2 Nos (3) Lithium ion rechargeable battery stick -2 No s (4) Lithium ion battery stick charger 01 Nos (5) Power supply 01 Nos (6) Carry bag for Interface unit 01 Nos (7) lanyard strap 01 Nos (8) Cable connector cap ,pack of 6 qty 01 Nos (9) Sensor connector cap 2 Nos (10) Operation/ maintenance manual 01 Nos (11) Case 01 Nos (12) Field operation guide 01 Nos (13) Life detector Display interface 01 Nos (14) Seismic sensor, #1,#2,#3,#4,#5,#6 all number sensor one each &amp; Acoustic sensor #1, 01 Nos (15) Head Phone with boom Mic 02 Nos (16) Sensor connecting cable 10 M on spool 6 Nos (17) Sensor Connecting cable ,3M 1 Nos.</p> <p><b>NOTE TO TENDERER:-</b>  The tendered shall indicate the make/ model in their offer.  The tendered shall furnish the clause -by clause compliance statement.  In case there is any deviation the same should be clearly brought out in the offer.  They shall mention the relevant BIS/EN/ DIN/ UL certificate of the product offered.  Technical, manual comprising of servicing details shall be supplied with system.  Relevant Test Certificates shall be provided from a Govt. approved laboratory or from the</p>	
12.	<p><b><u>Gas Cutter 450 MM</u></b>  Manual blow pipes for welding and cutting conforming to Is : 7653/1975.</p>	24 No.
13.	<p><b><u>Regulator for Gas Cutter</u></b>  Pressure regulator for gas cylinder use in welding cutting and related process conforming to IS: 6901/1988.</p>	24 Nos.

14.	<p><b><u>Oxygen Cylinder (104)</u></b> IS -7285 : part 1:2004 : “ Refillable seamless steel gas cylinder specification : - Part 1 : Normalized steel cylinder.</p>	48 Nos.
15.	<p><b><u>Acetylene Cylinder (103)</u></b> IS - 7312 : 2004 “WELDED AND SEAMLESS STEEL DISSOLVED ACETYLENE GAS CYLINDER – SPECIFICATION</p>	48 Nos.
16.	<p><b><u>Rubber Pipe Duplon 100m Rools (105)</u></b> Rubber HOSE for welding conforming to IS : 447/1988.</p>	24 Nos.
17	<p><b><u>Megaphone</u></b> <b>Specifications</b> <b>Qualitative Requirements BIS Code no. IS-7136</b></p> <p>a) Power output; 16 watt rated, 20 watt maximum b)Voice range : 0.40 km(1 km in quiet area) c) power source : 12 volts DC, 8 x UM-2 CELLS d)Microphone: Unidirectional, with volume control &amp; press to talk switch e)Dimension: Horn diameter 220 mm, length 370 mm f)Weight: 2 kg (approximate) g)Operation: Dry cell &amp; car battery operation h)Body: Sturdy &amp; light weight with inbuilt siren</p> <p><b>BIS Specification</b> a The megaphone shall be able to withstand the following climatic severities: Dry heat : + 70C Cold heat : - 10C Damp heat: 2 cycles b)Weight : No more than 2 kg. c)Harmonic distortion: should be less than 10% at 1000 Hz d) Frequency Response: Overall frequency response shall be within plus minus 3 db from 30to 3000 Hz.</p>	96 Nos.
18.	<p><b><u>Ventilator &amp; Air Tube 7 Meters Long</u></b> <b>Specification</b> <b>Qualitative requirement BIC Code No.</b> Motor having at least 0.5 hp motor. Exhaust pipe-300 mm dia, flexible corrugated pipe with push back folding arrangement, 20-22 meter long, used to provide ventilation/exhaust of air from confined spaces or outside environment vise-versa.</p>	48 Nos.
19.	<p><b><u>Distress Signal Unit</u></b> <i>The DSU shall meet the following requirement</i></p> <p>a. Size : Small and compact that could be attached to the waist belt with on/off key. b. Audio output : Not less than 90 dB at 3 meter distance. c. Led indicator : Green LED show unit is on and Red LED to show when unit has raised distress alarm. d. Battery : Compatible with DSU e. Stand by Battery life : Minimum 100 hours stand by life after full charge. f. Distress Alarm : Not less than 2 audio signals per second at full noise level. g. weight : Not more 350 grams</p> <p><b>APPROVAL</b> <i>The DSU shall carry national /international certification for use by the emergency service personnel and the relevant document shall be submitted along with the offer.</i></p>	288 Nos.

**Warranty :-** The DSU offered shall carry warranty for not less than 01 years.

**Technical evaluation :** The Technical evaluation of DSU shall be subject to the following.

a) Meeting the requirement as mentioned from SL no 1 to 4 above.

b) Design in conformity to EN/DIN/US standards and certificate to be submitted along with the offer and .

c) Weight of DSU subject to compliance in all other respect the units shall b listed in descending order lightest on top and the final bid shall be opened in respect of first five bidders and he lowest financial offer would be selected.

Sd/-

Addl. Director General of Police,  
HG/CD & SDRF,  
J&K Srinagar