

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

**CORRIGENDUM TO THIS OFFICE TENDER NOTICE NO. 06 OF 2014 ISSUED UNDER ENDSTT.
NO. PROV/T/SDRF/14-15/8108-09 DATED 31-05-2014.**

Please read the specification for “**Life Detector Type-II**” instead of specification of “**Life Detector**” mentioned at Sr. No. 11 of the Annexure “A” of Tender Notice No. 06 of 2014 as given below. Moreover the specifications for life Detector Type-I shall remain unchanged. The Quantity shall be 24 Nos. only.

S.No	Name of item with specifications	Tentative Qty.
	<p><u>Life Detector</u> (A) <u>Life Detector Type -II</u></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>Required Capabilities and specifications</p> <p>2. The instrument should be in full compliance with following specifications:-</p> <p>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.</p> <p>2. It should be capable of passively detecting the non-uniform electric fields of living humans. It should not detect animal life.</p> <p>3. Field of view: Horizontal plane: at least -2 to + degrees Vertically plane:</p> <ul style="list-style-type: none"> • At least - 60 to + degrees in open air 60 • At least - 40 to + 40 degrees in composite structure . • - 20 to + 20 degrees on and all-metal grounded platform. • Detection range: It will come with two range adjustment devices (RADs) as follows: <ul style="list-style-type: none"> - All metal RAD up to 500 meters - Composite RAD up to 20 meters <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> <p>1. Operating temperature: -10 to + 45 degrees Celsius</p> <p>2. Storage temperature : -40 to + 85 degrees Celsius</p> <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>	24 Nos.

* Weight: < 1kg

* Hard carrying case or bag for accommodating the instrument will be provided.

(F) Instrument environmental parameters for optimum performance

1. Operating temperature : - 40 to +85 degrees Celsius

2. Storage temperature : - 40 to +85 degrees Celsius

(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.

(B) LIFE DETECTOR TYPE-I

Life detector a seismic/acoustic listening device, light weight and easy to carry, designed specially to detect and locate trapped, live victims in collapsed structures caused by earthquakes, explosion, landslides, construction cave-ins or mine disasters and should include the control unit, sensors, sensors spikes, connecting cables and spools, Magnetic Clamps, Headphones, intercom probe, AC power supply battery pack and carry bag (for control unit) with all required accessories. The Life Detector should be provided with 6 sensors.

TECHNICAL SPECIFICATIONS

(F) MAIN UNIT

INPUT OF SENSOR/INTERCOM/PROBE

Seismic sensor input impedance : > 6K Ohms

Intercom probe input impedance : > 3 K Ohms

HEADSET OUTPUT

For headphones : 1/" stereo jack

Output power, variable : 0.13 W/60 Ohms

FREQUENCY RANGE

1 Hz to 3000 Hz

FILTERS (FIXED SWITCH ABLE) 425

"Rumble" : High pass 100 Hz

"PWR" : Notch 50 Hz and 60 Hz

"Hiss" : Low pass 600 Hz

SIGNAL DISPLAY

LED Bar graph any 2 channels or sum of all channel, range 60 db.

(I) SEISMIC/ ACOUSTIC SENSOR (POSITION INSENSITIVE)

Frequency Range : 1 Hz to 300 Hz

Shock resistant : > 1000 g

(J) © POWER SUPPLY

Battery operated, low battery alert

Alkaline battery type: Appropriate Operating time at approx. 20 deg. C

: > 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

(K) AMBIENT TEMPERATURE

Storage and transport : -20 degree to + 70 degree C

Nominal operating range : -15 degree to + 60 degree or more.

Each system /life detector should contain following :-

1) sensor spike - 6 Nos (2) Magnetic sensor clamp – 2 Nos (3) Lithium ion rechargeable battery stick -2 Nos (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

<p>sensor, #1,#2,#3,#4,#5,#6 all number sensor one each & 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>	
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NOTE TO TENDERER:-

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

In addition to above, the last date of receipt of Tender offers has also been extended upto 15-07-2014 at 1600 hours and the Tender offers shall be now opened on 16-07-2014 at 1100 hours at the Directorate of HG/CD & SDRF J&K Srinagar.

Sd/-

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

No:- Prov-T/SDRF/14-15/9987-89

Dated:- 30 -06-2014.