

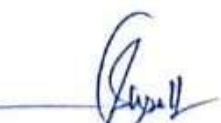
Technical Specifications and Trial Directives of Rescue Radar

S/N	Parameters	Technical Specifications	Trial Directives
1.	Penetrable Wall Materials	The Radar based equipment should detect life under rubble, including cement, RCC , plaster, brick, concrete and drywall. It should penetrate dense materials, identifying vital signs like breathing or movement, aiding rescue teams in locating survivors trapped beneath debris efficiently.	BOO check as per Annexure- "01". (It No 13)
2.	Weight	Max 12 kg (Without Tab)	BOO to physically check weight of the equipment with the help of weighing machine.
3.	Detection range	Detection range: • Should be able to detect in collapsed structure (underneath rubble: with Min 01 layer of RCC/Rubble)	BOO to physically check the parameter as per Annexure- "01".
4.	Penetration	Minimum 15 cm Reinforced Concrete Cement	BOO check as per Annexure- "01".
5.	Field of View (FOV)	Min 80° Horizontal and min 80° Vertical	BOO to physically check the parameter & OEM to submit the certification for the parameter.
6.	Display Views	LCD Display/ LED Display	BOO to physically check the parameter
7.	Wireless Capability	Connectivity with Tablet (Min 30 mtr connectivity)	BOO to physically check the parameter
8.	Power Supply	Rechargeable Battery	BOO to physically check the parameter
9.	Battery Operation Time	04 Hours or more	BOO to physically check the parameter.
10.	Operating temperature	-10°C to 45°C or more	BOO to physically check the parameter & OEM to submit the certification for the parameter.


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11.	Ruggedness	Rugged case & equipment, IP-65 or better for case & equipment	BOO to physically check the parameter & OEM to submit the certification for the parameter.											
12.	Accessories	Rugged case, Tablet, Charger for Equipment & Tablet	BOO to physically check the parameter											
13.	Annexure '01'	<table><tr><td colspan="2">Vertical detection under rubble/RCC layer(s)</td></tr><tr><td>Depth of Penetration</td><td>Actual no. of victim placed</td></tr><tr><td rowspan="6">Min. 3 Mtrs. with Minimum 01 layer of RCC/rubble (min. 15 cm thick) with victim placed below, and detection from top to bottom</td><td>01</td></tr><tr><td>01</td></tr><tr><td>01</td></tr><tr><td>01</td></tr><tr><td>00</td></tr><tr><td>00</td></tr></table>	Vertical detection under rubble/RCC layer(s)		Depth of Penetration	Actual no. of victim placed	Min. 3 Mtrs. with Minimum 01 layer of RCC/rubble (min. 15 cm thick) with victim placed below, and detection from top to bottom	01	01	01	01	00	00	06 chances will be given. Not more than 02 false reading will be accepted.
Vertical detection under rubble/RCC layer(s)														
Depth of Penetration	Actual no. of victim placed													
Min. 3 Mtrs. with Minimum 01 layer of RCC/rubble (min. 15 cm thick) with victim placed below, and detection from top to bottom	01													
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14.	Warranty & Service support: -	01 Year warranty & 05 Year Service support + Software Update	BOO to check the Undertaking of the Warranty & service support provided by the Firm/OEM.											

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