



**Request for Proposal (RFP)
for
Supply of Through Wall Radar (2D)
for
Odisha Police**

Tender No:40-RFP- Through Wall Radar (2D)-2024-25

Date: 23/12/2024

Tender Fee: Rs. 590/-

A.I.G. of Police (Provisioning)

Tender Calling Authority

At/Po- Buxibazar, Cuttack, PIN – 753001

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2. Disclaimer

RFP document is neither an agreement nor an offer by the Odisha Police (the "Authority") to the prospective Applicants or any other person. The purpose of this RFP is to provide information to the interested parties that may be useful to them in the formulation of their proposals pursuant to this RFP. The Authority does not make any representation or warranty as to the accuracy, reliability, or completeness of the information in this RFP document and it is not possible for the Authority to consider particular needs of each party who reads or uses this RFP document. This RFP includes statements which reflect various assumptions and assessments arrived at by Authority in relation to the consultancy. Such assumptions, assessments and statements do not purport to contain all the information that each Applicant may require. Each prospective Applicant should conduct its own investigations and analysis and check the accuracy, reliability and completeness of the information provided in this RFP document and obtain independent advice from appropriate sources.

Authority will not be responsible for any delay in receiving the proposals. The issue of this RFP does not imply that the Authority is bound to select an Applicant or to appoint the Successful Applicant, as the case may be, for the firm and the Authority reserves the right to accept / reject any or all of proposals submitted in response to this RFP document at any stage without assigning any reasons whatsoever. Authority also reserves the right to withhold or withdraw the process at any stage with intimation to all who submitted the Application in response to this RFP.

The information given is not an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. Authority accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on the law expressed herein.

Authority reserves the right to change/ modify/ amend any or all provisions of this RFP document. The amended RFP will be made available on the website of Authority.

Key Definitions:

- i. "AUTHORITY" means Odisha Police, Office of the D.G & I.G. of Police, Odisha, Cuttack
- ii. "BIDDER" means the agencies/firms submitting proposal against this RFP
- iii. "AGENCY" means the selected bidder to carry out the assignment in accordance with the terms defined in this RFP
- iv. "Applicable Law" means the laws and any other instruments having force of law in India from time to time
- v. "Proposal/bid" means proposal submitted by bidders in response to the RFP issued by Odisha Police, Office of the D.G & I.G. of Police, Odisha, Cuttack
- vi. "Contract Value" means the price payable to the selected bidder under the Contract for the complete and proper performance of its contractual obligations.
- vii. "Day" means Working day as defined by Government of Odisha
- viii. "Services" means the work to be performed by the Agency pursuant to the selection by Odisha Police and to the contract to be signed by the AGENCY

3. Notice Inviting Tender



Odisha Police
Office of the D.G & I.G. of Police, Odisha, Cuttack
Tel. :0671-2304001,
Website: www.odishapolice.gov.in, Email- igops.orpol@nic.in
RFP No. 40-RFP- Through Wall Radar (2D)-2024-25 Date : 23/12/2024

Online Bids through e-Tender Portal <https://tendersodisha.gov.in> are invited from the eligible bidders for procurement of Through Wall Radar for Odisha Police during the current financial year 2024-25 as per the schedule mentioned below.

SI.No	Name of Item	Approximate quantity
1	RFP for Procurement of Through Wall Radar (2D) by Odisha Police	01 Nos
Events		Date
RFP Issue Date		23/12/2024
Date & Time of Pre-Bid meeting Queries to be submit on igops.orpol@nic.in & aig-prov.odpol@gov.in , 2 days prior to the pre -bid meeting as per the format prescribed in Annexure 5		A pre-proposal meeting will be intimated through Mail (Online Link shall be shared based on the request receive from bidder on igops.orpol@nic.in & aig-prov.odpol@gov.in before 15:00 hours, 30.12.2024 Venue _ O/o the IGP (Operation), Hdqrs., Bidyut Marg, BBSR - 751001
RFP Submission Due Date and time		15/01/2025
Date & Time of Opening of Technical Bids		16/01/2025
Date & Time of Opening of Financial Bids		To be informed
Tender Document fee		In favour of A.I.G. of Police (Prov.), Odisha, Cuttack payable at Cuttack. (Demand Draft)
EMD (Earnest Money Deposit)		In favour of A.I.G. of Police (Prov.), Odisha, Cuttack payable at Cuttack. (Demand Draft)

The bid document with all information relating to the bidding process including cost of bid document, Prequalification criteria and terms & conditions are available in the websites: <https://tendersodisha.gov.in> The Authority reserves the right to accept / reject any part thereof or all the bids without assigning any reason thereof.

**A.I.G. of Police (Provisioning,
Cuttack, Odisha
(Tender Calling Authority)**

4. Instruction to the Bidders

1. The Odisha Police –Odisha Police (Tender Inviting Authority) is a Govt. organization working under Home Department, Govt. of Odisha.
2. The bid documents published by the Bid Inviting Officer (Procurement Officer Publisher) in the e-procurement portal <https://tendersodisha.gov.in> will appear in the "Latest Active Tender". The Bidders/ Guest Users can download the Bid documents from 23/12/2024 and submit it online 15/01/2025, 5.00 PM after which the same will be removed from the list of "Latest Active Tender".

4.1 PARTICIPATION IN BID

4.1.1 PORTAL REGISTRATION:

The bidder intending to participate in the bid is required to register in the e-procurement portal using an active personal/official e-mail ID as his/her Login ID and attach his/her valid Digital signature certificate (DSC) - Class II or III to his/her unique Login ID. He/ She has to submit the relevant information as asked for about the bidder. The portal registration of the bidder is to be authenticated by the State Procurement Cell after verification of original valid certificates/documents such as (i) PAN and (ii) Registration Certificate (RC) / GST Certificate (for Procurement of Goods) of the concerned bidder. The time period of validity in the portal is co terminus with validity of RC/ GST. Any change of information by the bidder is to be re-authenticated by the State Procurement Cell. After successful authentication, bidder can participate in the online bidding process.

4.1.2 LOGGING TO THE PORTAL:

The Bidder is required to type his/her Login ID and password. The system will again ask to select the DSC and confirm it with the password of DSC as a second stage authentication. For each login, a user's DSC will be validated against its date of validity and also against the Certificate Revocation List (CRL) of respective CAs stored in system database. The system checks the unique Login ID, password and DSC combination and authenticates the login process for use of portal.

4.1.3 DOWNLOADING OF BID:

The bidder can download the bid of his / her choice and undertake the necessary preparatory work off-line and upload the completed bid before the closing date and time of submission.

4.1.4 CLARIFICATION OF BID:

The registered bidder can ask questions related to the online bid in the e-procurement portal before the pre-bid meeting. The Odisha Police Headquarters, At-Buxi Bazar, Cuttack, (Email – igops.orpol@nic.in & aig-prov.odpol@gov.in) will clarify queries related to the bid. Through e-mail by the e-mail ID: igops.orpol@nic.in & aig-prov.odpol@gov.in and Contact No. 0671-2339517 or State e-Procurement cell help desk 1800-3456765, 0674-2530998 for assistance in this regard.

4.1.5 PAYMENT OF COST OF BID DOCUMENTS:

The detail guideline for payment of Cost of Bid Document is mentioned at General Condition of contract

4.1.6 SUBMISSION AND SIGNING OF BID

The detail guideline for submission of & signing of bid is mentioned at General Condition of Contract

Note : For management of space the bidders can serially arrange their scanned documents as per Annexure 1,2(all pages should be signed by authorized signatory with seal and then to be scanned) and create two equalized PDF files and upload them to avoid any space constraint.

The **BOQ** file (Excel file) is to be uploaded in the **price bid**.

5. General Definitions

5.1 General Definitions

- 5.1.1 *Department* means Odisha Police under Home Department, Government of Odisha.
- 5.1.2 *Government* means Government of Odisha.
- 5.1.3 *Bid / Tender Inviting Authority* is the Odisha Police or authorized person of Odisha Police (A.I.G. of Police (Provisioning), Odisha, Cuttack, who on behalf of the User Institution/Government or the funding agencies calls and finalize bids and ensure supply, installation and after sales service of the equipment's procured under this bid document.
- 5.1.4 *Tender Evaluation Committee & Technical Committee* are Committees authorized by the D.G. & I.G. of Police, Odisha, Cuttack to decide on the purchase of the items to be procured by the Odisha Police.
- 5.1.5 *User Institutions* are the Odisha Police under Home Department, Govt. of Odisha for which the items under this bid is procured.
- 5.1.6 *De-recognition/ Debarment* – the event occurring by the operation of the conditions under which the bidders will be prevented for a period of 3 years from participating in the future bids of Tender Inviting Authority, more specifically mentioned in the Specific Conditions of Contract and General Conditions of Contract of this bid document, the period being decided on the basis of number of violations in the bid conditions and the loss/hardship caused to the Tender Inviting Authority on account of such violations.

6. Objective

The objective of procuring Through Wall Radar 2D for airport security in Odisha is to enhance threat detection and situational awareness by:

- i. **Detecting Hidden Threats:** Identifying human movement and concealed objects behind walls or barriers in sensitive airport zones.
- ii. **Enhancing Tactical Operations:** Assisting security personnel during hostage rescue, counterterrorism, and breach scenarios by providing real-time visual data.
- iii. **Improving Response Safety:** Minimizing risks to security teams by enabling informed decision-making before entering high-risk areas.
- iv. **Strengthening Surveillance:** Offering advanced monitoring capabilities to secure restricted and operationally critical spaces.
- v. **Boosting Security Preparedness:** Equipping Odisha airports with cutting-edge tools to effectively address evolving security challenges and emergencies.

7. Scope of Work:

The Through Wall Radar 2D is being procured for airport security in Odisha to enhance the detection of hidden threats and human movement behind walls or obstacles. Airports are high-security zones where concealed individuals or objects pose significant risks, necessitating advanced detection tools. The technology offered should enable real-time monitoring, helping security forces locate suspects or hostages during emergencies like hijacking or terrorist attacks. It must improve the safety of personnel by reducing uncertainty before entering high-risk areas. The radar must provide tactical advantage during counter-terrorism operations, ensuring accurate and efficient response. Its non-intrusive, through-barrier scanning enhances surveillance without disrupting airport activities. It should have following technical specification.

Parameter	Value
Conformity to technical requirements	As per QR/specification & TDs for Through Wall Radar System (2D) vide No.P-63013/13 (GPS)/2011-Ord/BSF – 110-18 dtd.14.01.2019 of Govt. of India MHA, Directorate General Border Security Force, Lodhi Road, New Delhi
Warranty	5 Years or more
Weight	< 4 kg including batteries for pulse/continuous Wave.
On board and/or remote recording both wired i.e 25 meter (Min) and Wi-Fi mode 25 meter (Min) in open area	Yes
Should provide wireless remote control password enabled with the provision to change the password of device from a distance through laptop/control unit.	Laptop
Features of Laptop to be supplied by L1 Bidder with inbuilt software	IP 65 Ruggedized laptop.
	Microprocessor Intel core i5, 11th generation or better
	Memory (SSD type) 1 TB or higher.
	RAM 8 GB or higher.
OS - windows 10 or better	
Additional Batteries to be provided to sustain prolonged operation.	02 nos.
Bidder should have service centre or support at delivery/client location	
The awarded bidder should provide operational/maintenance training for at least 5 days or above at consignees location.	
Bidder should submit and demonstrate their Offered product during Technical Committee Meeting/field Trial.	

The details Copy of QRs are as given below:-

110-18

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No. P-63013/13 (GPS)/2011-Ord/BSF
Government of India Ministry of Home Affairs
Directorate General Border Security Force
(Prov Dte: Mod Cell)
(Fax: 011-24367683)

Block No.10, CGO Complex,
Lodhi Road, New Delhi-03

Dated, the 14th Jan 2019


To,

DsG : AR (through LOAR), CISF, CRPF, ITBP, SSB, NSG & BPR&D

Sub: **Forwarding of QRs and Trial Directives of Through Wall Radar (2D) and Through Wall Radar (3D)**

Find enclosed herewith QRs and Trial Directives of "Through Wall Radar (2D) and Through Wall Radar (3D)" as per appendix 'A' and 'B' duly finalized by Sub group of technical experts and approved by DG BSF for your information and necessary action please.

Encl : As above


(J K Rudola)
Dy. Inspector General (Prov)

Copy to :-

1. SO (IT),
North Block MHA,
New Delhi : You are requested to host the above QRs and TDs on MHA website please.
2. IT Cell
FHQ BSF,
New Delhi : You are requested to host the above QRs and TDs on BSF website please.

Directorate General Border Security Force
(Prov Dte: Mod Cell)

APPENDIX-A
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The Sub-group of technical experts on surveillance equipment constituted by MHA vide their letter No. IV-17017/18/2001-Prov-I dated 05 Jul 2002 held its meeting at BSF HQ 12th Nov 2018 and subsequent dates to formulate the QRs of Through Wall Radar (2D).

After detailed deliberation the referred Sub-group of technical experts has formulated the QRs and TDs of **Through Wall Radar (2D)** which are as under :-

QUALITATIVE REQUIREMENT OF THROUGH WALL RADAR (2D)

S/No	QUALITATIVE REQUIREMENTS	
1.	<u>Physical Characteristics</u>	
	(a)	Size Compact, portable Hand held Video terminal operable by one soldier.
	(b)	Weight (in Kg) of Hand Held Unit. 4 Kgs (Max) including batteries for pulse/continuous wave. (To be specified by the user department at the time of indent)
2.	<u>Technical Characteristics</u>	
	(a)	Range i) Brick, Cement, Stone Wall (upto 12") -20 m ii) Brick, Cement, Stone Wall (upto 18") – 13m iii) Concrete & Reinforced Concrete Wall (18")-8m
	(b)	Display Should provide 2D view or better on a Colour display.
	(c)	Field of view Should be $\geq 120^{\circ}$ in Azimuth and $>90^{\circ}$ Elevation.
	(d)	Range Resolution 50 cm or less at end of range can be achieved.
	(f)	Azimuth Resolution Resolution at end of range will be worse than 50 cm @ 8 m. Resolution deteriorates linearly with range.
3.	<u>Capability required</u>	
	(a)	Should be able to detect static & Living objects amidst clutter (dust, smoke etc) on the other side of wall. (i) Capable of detecting person/persons or group of persons in a room. Should be able to locate & track the movement of person/persons on a continuous basis.
	(b)	Wall Thickness/Materials i) Brick, Cement, Stone Wall (upto 12") -20 m ii) Brick, Cement, Stone Wall (upto 18") – 13m iii) Concrete & Reinforced Concrete Wall (18")-8m except glass (treated) and metal sheet.
	(c)	Operating both, in-contact with the wall and in stand-off mode i.e from a distance away from the wall with in the op range of the radar.
	(d)	Should have a simple user interface for easy interpretation of the scenario, which should be easily understood by a soldier.
	(e)	Ruggedization : Should comply with MIL STD 810F or better i.e humidity, shock, vibration and high/low temperature.
	(f)	System should comply IP 65 or better.
	(g)	On board and/or remote recording both wired i.e 25 meter (Min) and Wifi mode 25 meter (Min) meter in open area (To be specified by the user department at the time of indent).
	(h)	Should provide wireless remote control password enabled with the provision to change the password of device from a distance through laptop/ control unit (If the user department asked for the same).
	(j)	The equipment should be operational ready within 30 sec of turning ON.

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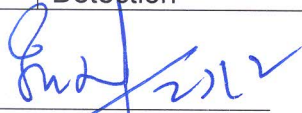
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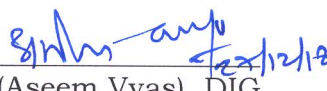
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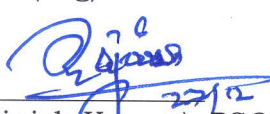
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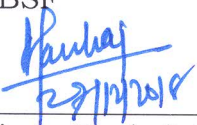
(k)	The equipment should be able to be mounted on a tripod (standard operation)	
(l)	Tripod should be part of the accessories of the main equipment and min adjustable height should be 4 feet or more.	
(m)	Radar should be able to display 05 targets (Min) simultaneously with a range resolution of 50 cm.	
(n)	Radar with Jamming resistant facility.	
4.	Power Supply	
(a)	Suitable rechargeable (Li-ion) batteries be provided to power this equipment along with battery charger.	
(b)	170-240 V AC Bty charger should be part of package.	
(c)	Battery life should be indicated/displayed on the screen of Through Wall Radar.	
(d)	Additional Battery be provided to sustain prolonged operation.	
5.	Operating Time on Battery (in Hours)	Battery endurance-Min 3 hours continuous use.
6.	Safety	The radiation emission from the radar should comply with the international standards like IEEE/FCC standards for radiation safety worldwide.
7.	False Alarm/ Noise Detection	Should not be more than 10%.
8.	Probability of Detection	Should be 90%.

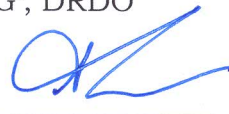

 (Ashok Kumar Sharma)
 ADG (Log) BSF



 (Aseem Vyas), DIG
 SIW BSF



 (Ms. D Anuradha)
 Sc 'G', DRDO



 (Rajnish Kumar), PSO
 BPR&D



 (Abhiram Pankaj), 2IC
 CRPF



 (Maj A Arun), Sqn Cdr
 NSG


 (R K Meel), DC
 CISF


 (Padam Singh Meena)
 AC, SSB


 (Arvinder Singh), AC
 SIW BSF


 (SI/RM Subhas Roy)
 SIW, BSF


 (WO/GD Balbir Singh)
 Assam Rifle


 (SI/Tele Mahabir Singh)
 ITBP

APPROVED/NOT APPROVED


 (Rajni Kant Mishra) IPS
 DIRECTOR GENERAL
 BORDER SECURITY FORCE

TRIAL DIRECTIVE OF THROUGH WALL RADAR (2D)

Ser No	<u>Qualitative Requirements</u>		Trial Methodology	Result desired/expected
1.	<u>Physical Characteristics</u>			
(a)	Size	Compact, portable and operable by one soldier.	To be physically checked by BOO.	The size should be compact, portable and operable by one soldier
(b)	Weight (in Kg) of Hand Held Unit	4 Kg (Max) including batteries for pulse/continuous wave (To be specified by the user department at the time of indent)	To be physically checked by BOO by measuring the weight with the help of weighing Machine.	The weight should be 04 kgs (Max) including batteries for pulse/continuous wave.
2.	<u>Technical Characteristics</u>			
(a)	Range	i) Brick, Cement, Stone Wall (upto 12") -20 m ii) Brick, Cement, Stone Wall (upto 18") - 13m iii) Concrete & Reinforced Concrete Wall (18")-8m	*To be physically checked by BOO. i) Human Target to be placed at 20 m behind a wall from the radar and detection of the same by eqpt should be ascertained. ii) Human Target to be placed at 13 m behind a wall from the radar and detection of the same by eqpt should be ascertained. iii) Human Target to be placed at 8 m behind a wall from the radar and detection of the same by eqpt should be ascertained * Wall Should be dry.	The Range should be as per the following :- i) Brick, Cement, Stone Wall (upto 12") -20 m ii) Brick, Cement, Stone Wall (upto 18") - 13m iii) Concrete & Reinforced Concrete Wall (18")-8m
(b)	Display	Should provide 2D view or better on a Colour display.	All the display modes to be physically verified by BOO.	The display should provide 2D view or better on a Colour display.

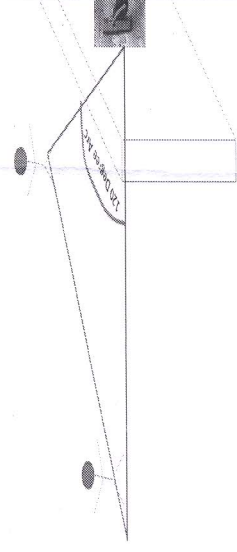
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D. Anand Kumar
22/12/18

Sanjay Kumar
22/12/18

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	(c) Field of view	Should be $\geq 120^\circ$ in Azimuth and $\geq 90^\circ$ in elevation.	<p>The field of view should be $\geq 120^\circ$ in Azimuth and $\geq 90^\circ$ in elevation.</p> <p>* To be checked Physically by BOO. * Horizontal and vertical angular arc representing $\geq 120^\circ$ and $\geq 90^\circ$ respectively to be marked by BOO. * Human Target should be made to stand on each edge of the arc while eqpt placed at vertex of arc behind wall. * Eqpt should be able to detect the human target both in horizontal and vertical angle $\geq 120^\circ$ and $\geq 90^\circ$ respectively without moving the eqpt.</p> 
(d)	Range Resolution	50 cm or less at end of range can be achieved.	<p>To be physically checked by BOO. Target to be placed physically separated by a distance of 50 cm. The target to be resolved distinguishably.</p>
(e)	Azimuth Resolution	Resolution at end of range will be worse than 50 cm @ 8 m. Resolution deteriorates linearly with large.	<p>The azimuth resolution should be worse than 50 cm @ 8 m. Resolution deteriorates linearly with large</p>
3.	Capability required		
(a)	Should be able to detect static & Living objects amidst clutter (dust, smoke etc) on the other side of wall. (i) Capable of detecting person/persons or group of persons in a room. Should be able to locate & track the movement of person/persons on a continuous basis.	<p>* To be physically checked by BOO. * Human Target to be placed at behind a wall and detection of the same by Eqpt should be ascertained.</p>	<p>The system should be able to detect static & Living objects amidst clutter (dust, smoke etc) on the other side of wall. (i) Capable of detecting person/persons or group of persons in a room. Should be able to locate & track the movement of person/persons on a continuous basis.</p>

Signature
 22/11/13

Signature
 22/11/13



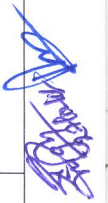

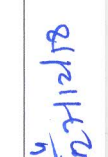

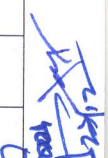

Signature
 D. Amvedha

<p>(b)</p> <p>Wall Thickness/ Materials</p> <p>i) Brick, Cement, Stone Wall (upto 12") -20 m ii) Brick, Cement, Stone Wall (upto 18") - 13m iii) Concrete & Reinforced Concrete Wall (18")- 8m except glass (treated) and metal sheet.</p>	<p>*To be physically checked by BOO.</p> <p>i) Human Target to be placed at 20 m behind a wall from the radar and detection of the same by eqpt should be ascertained. ii) Human Target to be placed at 13 m behind a wall from the radar and detection of the same by eqpt should be ascertained. iii) Human Target to be placed at 8 m behind a wall from the radar and detection of the same by eqpt should be ascertained * Wall Should be dry.</p>	<p>The wall thickness/materials should be as under i) Brick, Cement, Stone Wall (upto 12") -20 m ii) Brick, Cement, Stone Wall (upto 18") - 13m iii) Concrete & Reinforced Concrete Wall (18")- 8m except glass (treated) and metal sheet.</p>
<p>(c)</p> <p>Operating both, in-contact with the wall and in stand-off mode i.e. from a distance away from the wall with in the op range of the radar.</p>	<p>To be physically checked by BOO.</p>	<p>The system should operate both in-contact with the wall and in stand-off mode i.e. from a distance away from the wall with in the op range of the radar</p>
<p>(d)</p> <p>Should have a simple user interface for easy interpretation of the scenario, which should be easily understood by a soldier.</p>	<p>To be physically checked by BOO.</p>	<p>The system should have a simple user interface for easy interpretation of the scenario, which should be easily understood by a soldier</p>
<p>(e)</p> <p>Ruggedization : Should comply with MIL STD 810F or better i.e. humidity, shock, vibration and high/low temperature.</p>	<p>NABL national/international certificate to be submitted by the firm. BOO to check the authenticity, validity and correctness of such document.</p>	<p>The system should comply with MIL STD 810F or better i.e. humidity, shock, vibration and high/low temperature.</p>
<p>(f)</p> <p>System should comply IP 65 or better.</p>	<p>NABL national/international certificate to be submitted by the firm. BOO to check the authenticity, validity and correctness of such document.</p>	<p>The system should comply IP 65 or better.</p>
<p>(g)</p> <p>On board and/or remote recording both wired i.e 25 meter (Min) and WiFi mode upto 25 meter (Min) in open area (To be specified by the user department at the time of indent).</p>	<p>To be physically checked by BOO.</p>	<p>Should board and/or remote recording both wired i.e 25 meter (Min) and WiFi mode upto 25 meter (Min) in open area.</p>


(Handwritten signatures and dates)

Signature: [Signature]
Date: 23/12/18
Signature: [Signature]
Date: 23/12/18
Signature: [Signature]
Date: 23/12/18
Signature: [Signature]
Date: 23/12/18

(h)	Should provide wireless remote control password enabled with the provision to change the password of device from a distance through laptop/ control unit (If the user department asked for the same).	To be physically checked by BOO.	The system should provide wireless remote control password enabled with the provision to change the password of device from a distance through laptop/ control unit
(j)	The equipment should be operation ready within 30 sec of turning ON.	To be physically checked by BOO.	The equipment should be operation ready within 30 sec of turning ON.
(k)	The equipment should be able to be mounted on a tripod (standard operation)	To be physically checked by BOO.	The equipment should be able to be mounted on a tripod (standard operation)
(l)	Tripod should be part of the accessories of the main equipment and min adjustable height should be 4 feet or more.	To be physically checked by BOO.	Tripod should be part of the accessories of the main equipment and min adjustable height should be 4 feet or more.
(m)	Radar should be able to display 05 targets simultaneously with a range resolution of 50 cm.	To be physically checked by BOO.	Radar should be able to display 05 targets simultaneously with a range resolution of 50 cm.
(n)	Radar with Jamming resistant facility	To be physically checked by BOO.	Radar should have Jamming resistant facility
4. Power Supply			
(a)	Suitable rechargeable (Li-ion) batteries be provided to power this equipment along with battery charger.	To be physically checked by BOO.	The radar should have Suitable rechargeable (Li-ion) batteries along with battery charger.
(b)	170-240 V AC Bty charger should be part of package.	To be physically checked by BOO.	The radar should have 170-240 V AC Bty charger.
(c)	Battery life should be indicated/displayed on the screen of Through Wall Radar.	To be physically checked by BOO.	Battery life should be indicated/displayed on the screen of Through Wall Radar.
(d)	Additional Battery bank be provided to sustain prolong operation.	To be physically checked by BOO.	Additional Battery bank should be provided to sustain prolong operation.


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 12/27/2018

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5.	Operating Time on Battery (in Hours)	Battery endurance-Min 3 hours continuous use.	* To be physically checked by BOO. * Operating the eqpt continuously for 3 hrs with fully charged batteries.	The battery endurance should be able for Min 03 hours continuous use.
6.	Safety	The radiation emission from the radar should comply with the international standards like IEEE/FCC standards for radiation safety worldwide.	NABL national/international certificate to be submitted by the firm. BOO to check the authenticity, validity and correctness of such document.	The radar should comply with the international standards like IEEE/FCC standards for radiation safety worldwide.
7.	False Alarm/Noise Detection	Should not be more than 10%.	To be physically checked by BOO.	The False Alarm/Noise Detection Should not be more than 10%.
8.	Probability of Detection	Should be 90%.	To be physically checked by BOO.	The Probability of Detection Should be 90%.


 (Ashok Kumar Sharma)
 ADG (Log) BSF


 (Aseem Vyas), DIG
 SIW BSF

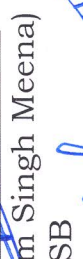

 (Ms. D Anuradaha)
 Sc 'G', DRDO



 (Rajnish Kumar), PSO (E)
 BPR&D



 (Abhiram Pankaj), 2IC
 CRPF


 (Maj. A Arun), Sqn Cdr
 NSG


 (Ravindra Kumar Meel), DC
 CISF


 (Padam Singh Meena)
 AC, SSB


 (Arvinder Singh), AC
 SIW, BSF


 (SI/RM Subhas Roy)
 SIW, BSF


 (WO/GD Balbir Singh)
 Assam Rifle


 (SI/Tele Mahabir Singh)
 ITBP

APPROVED/ NOT APPROVED



(Rajni Kant Mishra) IPS
 DIRECTOR GENERAL
 BORDER SECURITY FORCE

The bidder has to submit the tender specific valid authorization certificate(s) from the Original Equipment Manufacturers (OEMs) for the entire product which is mentioned in Technical Specification above

8. Qualification Criteria

The bidder must meet the below eligibility criteria to be considered for further shortlisting purpose

Sr. No.	Basic Requirement	Specific Requirement	Documents Required
1	Entity Type	Bidder must be Company registered under Companies Act, 1956 or any of its amendments thereafter or Partnership registered under Indian Partnership Act, 1932 or any of its amendments thereafter or Proprietor registered under Shops and Establishment Act	<ul style="list-style-type: none"> • Copy of Certificate of incorporation / Registration certificate with relevant authority • PAN Card • GST Registration certificate and GST Clearance certificate upto March 2023
2	Existence of Firm	The Bidder should be in business in the supply Through Wall Radar (2D) to govt agencies for at least last Five (5) years as on date of bid submission	<ul style="list-style-type: none"> • Work order or Agreement Or • Payment Proof Or • Completion Certificates or Satisfactory Certificate Or • Delivery Challan
3	Turnover	The Bidder shall have average annual turnover of not less than 300 Lakhs in last three consecutive financial years (Financial years 2021-22, 2022-23, 2023-24) The OEM shall have average annual turnover of not less than 600 Lakhs in last three consecutive financial years (Financial years 2021-22, 2022-23, 2023-24)	CA Certificate/ Audited Balance Sheet clearly stating turnover
4	OEM Authorisation	The Bidder /OEM must e submitted Bid	On the letter head of OEM

		Specific OEM Authorisation	
5	Relevant Experience	The bidder must have supplied atleast 1 (One) Through Wall Radar (2D) to any Govt Agencies in last 3 years as on date of bid submission.	Work order copy from the client stating the quantity of equipment supplied
6	Blacklisting And Pending Petitions	Bidder shall not have been debarred / blacklisted till bidding period by Central Govt. / State Govt. / Public Sector Undertaking / any other Local Body or body established under or in the control of the Central or state Government on the date of submission of their Bid.	Self-certification on furnished with 20 rupees stamp paper

The bidder meeting the criteria mentioned above shall be eligible for financial bid opening.

9. Evaluation of Bid

Selection may be made on LCS Least Cost Selection method, which means the bidder quoting the lowest rate shall be identified as preferred bidder.

10. Deliverables

Vendors need to supply the One (1) Through Wall Radar (2D) within 30 days from date of issuance of Purchase order.

Delivery and Consignee Location:

O/o the IGP (Operation), Hdqrs., Bidyut Marg, BBSR - 751001

11. Payment Terms

100% payment on successful delivery of the entire quantity

12. Performance Security

The Bidder shall be submitting the Performance Security equivalent to 5% of the agreement value in the form of a Bank Guarantee

13. Conflict of Interest

Conflict of interest exists in the event of conflicting assignments, typically monitoring and evaluation of the mandate being executed by the selected bidder in the future.

14. Anti-corruption Measure

- a) Any effort by Bidder(s) to influence the Authority in the evaluation and ranking of commercial proposals, and recommendation for award of contract, will result in the rejection of the proposal.

- b) A recommendation for award of Contract shall be rejected if it is determined that the recommended bidder has directly, or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the contract in question.
- c) In such cases, the Authority shall blacklist the bidder either indefinitely or for a stated period of time, disqualifying it from participating in any related bidding process for the said period.

15. Legal Jurisdiction

All legal disputes between the parties shall be subject to the exclusive jurisdiction of the Courts in Cuttack only.

Annexures

16. Annexure 1 : Technical Bid Format

Technical Bid Format

(To be submitted in Technical Bid Envelope)

The documents have to be arranged serially as per order mentioned below:

1	Name of the Firm/Company	
2	Name of the Authorized Signatory and Designation	
3	Address & Contact Details	
4	E-mail ID	
5	Registration Details: Company / Firm	Certificate of Incorporation/ Registration PAN Card GST Registration Certificate Bank Account & RTGS details
6	Experience in similar field	Workorder/Contract Agreement Copy Filled up for per Annexure-2
7	Annual average turnover of Rs.300 Lakhs and OEM 600 lakhs in the last three financial years (i. 2021-22, 22-23 and 23-24)	Annual Turnover Statement certified by Chartered Accountant as per Annexure-3 Filed IT return of last 3years
8	The Firm/ Agency should not have been blacklisted/banned by Central/State Govt.& PSU/ CPSEs	Self-certification on furnished with 20 rupees stamp paper
9	Submission of undertakings for Bid terms & conditions acceptance.	To be submitted on the Letter Head
11	Non-refundable RFP Document Fee of Rs.590/-	Demand Draft In favour of A.I.G. of Police (Prov.), Odisha, Cuttack payable at Cuttack.
12	Earnest Money Deposit(EMD) of Rs.3,00,000/- along with Offer Document.	Demand Draft In favour of A.I.G. of Police (Prov.), Odisha, Cuttack payable at Cuttack.

Place:

Date:

Bidder's Signature

17. Annexure 2: Summary of Technical Capability

(To be submitted in Technical Bid Envelope)

Name of the Assignment	Name/ Address of the Organization	Date of Award of Assignment	Value of Work Order In Rs.

Note: Please furnish the Work order/Contract Agreement copy only in support of the information mentioned above.

Place:

Date:

**Bidder's
Signature**

18. Annexure 3: Financial Capability of Bidder/Agency Annual

Turnover Statement (To be signed by Certified Chartered Accountants)

(To be part of Technical Bid Envelope)

The Average Annual Turnover for the last three financial years of M/s _____ Are given below and certified that the statement is true and correct.

Year	Annual Turnover in Rs.	Average Annual Turnover
2021-22		
2022-23		
2023-24		

Average annual turnover for the above three years in Rs. (In words _____

Date:

Signature of Auditor /

Chartered Accountant

Place:

Name:

Seal:

19. Annexure 4: Template of financial bid

(To be submitted in Financial Bid Envelope)

SI No.	Description of Item	Qty	Total Amount (Inclusive of all taxes) (INR)
1	Cost of supplying Through Wall Radar (2D)	1	
	Total		

Note:

1. The quoted rates shall be inclusive of Logistics, packaging and training and all other conditions mentioned in the RFP Document.
2. All Quoted rate are Including GST.

Date:

**Place:
Bidder's Signature**

20. Annexure 5 : Format for Pre-Bid Queries

Name of the Bidder				
Name of the Sender				
Designation				
Sr. No.	Page no.	Clause Reference	Clause Description	Modification/ Clarification required