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NB/0695/SIRS

Dec 17

**EXPRESSION OF INTEREST (EoI) FOR PROCUREMENT OF  
SHIP INSTALLED RADIAC SYSTEM SIRS FOR INDIAN NAVY**

1. The Ministry of Defence, Government of India, intends to procure **SHIP INSTALLED RADIAC SYSTEM (SIRS)** for *IN* Ships/ Platforms in India.
2. This Expression of Interest (EoI) consists of two parts as indicated below:-
  - (a) **Part I.** The first part of the EoI incorporates operational characteristics and features that should be met by the SIRS. A few important technical parameters of the proposed SIRS are also mentioned.
  - (b) **Part II.** The second part of the EoI states the methodology of seeking response of Indian firms. Submission of incomplete response format will render the firm liable for rejection.

**PART- I**

3. **The Intended Use of SIRS (Operational Requirements).** The SOTRs are placed at **Appendix 'A'**.
4. **Quantity Required and Anticipated Delivery Timeframes.** 5 - 7 sensors for each system. Quantity of systems would be mentioned in the RFPs / tenders separately, to be issued by procurement agencies.
5. **Important Technical Parameters.** Operational/Technical Requirements are placed at **Appendix A** of this document. Further, following details are to be submitted:-
  - (a) Feasibility to manufacture equipment with the enclosed Operational/Technical Requirements (**Appendix A**). Any modification to the specifications can be suggested by the OEM with suitable justification.
  - (b) Budgetary quotes with breakup of cost including factors such as Annual Maintenance Contract (AMC), product support package, training etc.

- (c) Feasibility/willingness to conduct FET in India/BARC/any other accredited Lab for Nuclear Science.
- (d) Modalities for conduct of FET are to be included.
- (e) Experience in manufacturing similar equipment along with client details.
- (f) Memorandum of Understanding, if any, with respect to design aspects.
- (g) Willingness for Option clause, including the duration for which the Option Clause would be valid.
- (h) Whether the firm would be able to comply with all provisions of DPM 09 or not. If not, Para/Clause of DPM 09 not agreed to with reasons need to be indicated.
- (j) Firm may consider RFI as advance information to obtain requisite government clearances.
- (k) The tentative delivery schedule for supply of the equipment after conclusion of the contract.
- (l) Acceptability to terms of payment as per DPM 09.

6. **Additional Specifications.** The aim of seeking this EoI is also to finalise the Technical specifications for the said equipment with inputs from OEMs. Accordingly, a questionnaire is placed at **Appendix B**, which is to be answered.

7. The Vendor should confirm that the following conditions are acceptable: -

- (a) Solicitation of offers will be as per 'Single Stage-Two Bid System'. It would imply that a '**Request for Proposal**' would be issued soliciting the technical and commercial offers together, but in two separate sealed envelopes. The validity of commercial offers would be at least 18 months from the date of submitting of offers.
- (b) The technical offers would be evaluated by a Technical Evaluation Committee (TEC) to check its compliance with RFP as per DMP 09.
- (c) Amongst the Firms cleared by TEC, a Contract Negotiations Committee (CNC) would decide the lowest cost bidder (L1) and conclude the appropriate contract.
- (d) The Firms would be bound to provide product support for time period specified in the RFP, which includes spares and maintenance tools/jigs/fixtures/documentation for training for field and component level repairs.
- (e) The Firm would be required to accept the general conditions of contract given in the Standard Contract Document at **Chapter VI of DPM 09** placed on **www.mod.nic.in**.

**PART- II****8. Procedure for Response.**

(a) The firms must fill the form of response, as given in **Appendix C to Chapter II of DPM 09** and **Appendix D of this document**. Apart from filling details about the firm, details about the exact equipment meeting the mentioned operational/technical specifications (**Appendix A and Appendix B of this document**) should also be carefully filled. Additional literature on the equipment can also be attached with the form.

(b) The filled form should be dispatched to the under mentioned address: -

The Principal Director of NBCD  
Directorate of NBCD  
IHQ-MoD(N), Room No 15-A  
A Block Hutments, Dara Shukoh Road  
New Delhi 110011  
India  
Tele: 0091-11-23793514  
Fax : 0091-11-23793439  
E-Mail: [dnbcd@navy.nic.in](mailto:dnbcd@navy.nic.in)

(c) Last date of acceptance of filled forms along with details sought is **26 Jan 18**. The firms short listed for issuance of RFP would be intimated.

9. The Government of India invites responses to this request only from Indian firms who qualify the criteria specified in **Appendix E**. The end user of the equipment is the Indian Navy.

10. This information is being issued with no financial commitment and the Ministry of Defence reserves the right to change or vary any part thereof at any stage. The Government of India also reserves the right to withdraw it should it be so necessary at any stage. The procurement process would be carried out under the provisions of **DPM 09** available on **www.mod.nic.in**.

**QUESTIONNAIRE FOR DETAILS IN RESPECT OF**  
**SHIP INSTALLED RADIAC SYSTEM (SIRS)**

<u>Ser</u>	<u>Information Required</u>	<u>Data/ Information</u>
1	Can you design/supply/manufacture fixed radiation monitoring system with multiple sensors integrated as one system, for the Indian Navy? If yes state your company profile, technical expertise, and registrations	
2	Will there be provision of detecting $\beta$ and $\gamma$ activities in water as well as air in your equipment	
3	Can your equipment detect INR	
4	What is the minimum and maximum radiation detection range of your equipment	
5	Is external interface with other systems possible	
6	Is simulator mode of operations possible for training/calibration purpose	
7	What is the life of your equipment and support time	
8	What is the power supply requirements of equipment. Does your equipment have battery backup also. If yes, for how long	
9	What kind of human interface your equipment has (TFT, LED indicators, display only)	
10	Does your firm have technical centres at Mumbai, Visakhapatnam and Kochi	
11	Can your system provide audio as well as visual alarms	
12	Is your firm willing to take up AMC and requisite user training post supplying the equipment	
13	What is IP grade of your equipment	
14	Is your equipment MIL grade	
15	Is your equipment certified by some Indian Govt body on Nuclear Sciences/ International accredited organisation/Lab	
16	Is your equipment JSS55555 compliant	
17	What is the dimension and weight of the equipment (MCP and sensors)	
18	What is the mode of communication between MCP and sensors (Fibre optics/cable)/Ethernet based	
19	What is the maximum temperature and humidity range of your equipment	

<u>Ser</u>	<u>Information Required</u>	<u>Data/ Information</u>
20	What is the facility provided to avoid false alarm	
21	What parts are to be replaced frequently and after how much usage/time	
22	Is equipment proposed indigenously designed and developed and what percentage is indigenised	
23	What is the approximate cost estimation and is there any suggestions for alternatives to meet the same objective as mentioned in RFI	
24	Do you have an another equipment already developed to solve the purpose mentioned in the RFI	
25	Have you supplied your equipment to any Government Body/ PSU/Defence Organisation. If yes, kindly forward details	
26	What is (Mean Time Between Failure) MTBF of your equipment	

**INFORMATION PROFORMA**

1. **Name of the Company/Firm/** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
(Company profile, in brief, to be attached).

2. **Type (Tick the relevant category)**

Original Equipment Manufacturer (OEM) - Yes/No

Authorised Firm/ - Yes/No

(attach Firm details, if yes)

Others (give specific details) \_\_\_\_\_

3. **Contact Details**

Postal Address : \_\_\_\_\_

City : \_\_\_\_\_ State : \_\_\_\_\_

Pin Code: \_\_\_\_\_ Tele : \_\_\_\_\_

Fax : \_\_\_\_\_ URL/Web Site: \_\_\_\_\_

4. **Local Branch/Liaison Office in Delhi (if any)**

Name & Address \_\_\_\_\_

Pin Code: \_\_\_\_\_ Tele: \_\_\_\_\_ Fax: \_\_\_\_\_

5. **Financial Details**

(a) Category of Industry (Large/medium/small Scale): \_\_\_\_\_

(b) Annual turn over: \_\_\_\_\_ (in INR)

(c) Number of employees in firm: \_\_\_\_\_

(d) Details of manufacturing infrastructure : \_\_\_\_\_

(e) Earlier contracts with Indian Ministry of Defence/Government agencies:-

Contract Number	Equipment	Quantity	Cost

6. **Certification by Quality Assurance Organisation**

Name of Agency	Certification	Applicable from (Date & Year)	Valid till (Date & Year)

8. **Membership of FICCI/ASSOCHAM/CII or other Industrial Associations**

Name of Organisation	Membership Number


9. **Equipment/ Product Profile (to be submitted for each product separately).**

(a) Name of Product:- \_\_\_\_\_

(b) Description (attach technical literature): \_\_\_\_\_

(c) Whether OEM or Integrator : \_\_\_\_\_

(d) Name and address of Foreign collaborator (if any): \_\_\_\_\_

(e) Industrial Licence Number : \_\_\_\_\_

(f) Indigenous component of the product (in percentage) : \_\_\_\_\_

(g) Status (in service/design & development stage) : \_\_\_\_\_

(h) Production capacity per annum : \_\_\_\_\_

(j) Countries/agencies where equipment supplied earlier (give details of quantity supplied): \_\_\_\_\_

(k) Estimated price of the equipment.

10. Alternatives for meeting the objectives of the equipment set forth in the RFI.

11. Any other relevant information : \_\_\_\_\_

12. **Declaration** It is certified that the above information is true and any changes will be intimated at the earliest.

(Authorised Signatory)

**Appendix D**  
**(Refer to Para 8)**

**ADDITIONAL INFORMATION PROFORMA**

1	YEAR ESTABLISHED	
2	TYPE OF ORGANISATION SIZE/CLASSIFICATION OF YARD	
3	ORGANISATION SETUP AND AVAILABILITY OF SKILLED MANPOWER	
4	DETAILS OF DESIGN, PLANNING AND PRODUCTION FACILITIES/ INFRASTRUCTURE INCLUDING SLIPWAYS/DRYDOCKS AND WET BASIN/WATER FRONT (ATTACH BROCHURES ETC)	
5	ANNUAL BUILD CAPACITY	
6	DETAILS OF FUTURE EXPANSION AND BUSINESS DEVELOPMENT PLANNED	
7	EQUIPMENT DELIVERED IN LAST 05 YEARS. (ATTACH PREVIOUS ORDER COPIES FOR SIMILAR EQUIPMENT ONLY)	
8	ORDERS IN HAND (ATTACH ORDER COPIES FOR SIMILAR EQUIPMENT ONLY)	
9	FINANCIAL INFORMATION (IN INR FOR INDIAN FIRMS)	
	(A)	ANNUAL TURNOVER IN THE LAST THREE FINANCIAL YEARS (YEAR WISE)
	(B)	PROFITS MADE
	(C)	NET WORTH =EQUITY+RESERVES
	(D)	DEBT/EQUITY RATIO
	(E)	QUICK RATIO=(CURRENT ASSETS LONG TERM DEBTS)/CURRENT LIABILITIES
	(F)	ATTACH COPIES OF CERTIFIED PUBLISHED ANNUAL REPORT SHOWING TURNOVER AND FINANCIAL STATUS IN SUPPORT OF ABOVE INFORMATION



**MINIMUM QUALIFYING CRITERIA FOR ISSUE OF RFP TO FIRMS FOR  
PROCUREMENT OF SICADS**

1. Should be a firm who has manufactured equipment of similar specifications in the past.
2. Financial status should meet the delivery period
3. Possess infrastructure and capacity (considering the existing and future work load) for undertaking the manufacturing of equipment.
4. Is the firm in possession of necessary License, details be provided.