

I/68528/2024

**GOVERNMENT OF INDIA: MINISTRY OF RAILWAYS**  
**RESEARCH DESIGNS & STANDARDS**  
**ORGANISATION MINISTRY OF RAILWAYS**  
**MANAK NAGAR, LUCKNOW – 226 011.**  
**(S&T Directorate)**

**EXPRESSION OF INTEREST**

RDSO is the sole Research Design and Standards Organization of Indian Railways, dedicated to create & adopt technology solutions for Indian Railways. Signal & Telecom Directorate of RDSO is engaged in design, development and introduction of appropriate technology for equipment related to S&T System. The Directorate is involved in evolving designs & standards to improve the reliability & availability of Signalling and Telecommunication system of Indian Railways.

RDSO is interested in development of **Lean Six Sigma Quality Installation of Onboard Kavach units using Collaborative Robots** aims to provide a detailed framework for the installation of Onboard Kavach units with a focus on Lean Six Sigma quality and the use of collaborative robots. The functional requirements of the desired product and proforma for response have been enclosed.

Firms/Organizations who have enough experience and capabilities in the field and have ISO certificate and are interested in developing said item are requested to see the details on the RDSO website [www.rdsolndianrailways.gov.in](http://www.rdsolndianrailways.gov.in) > Expression of Interest (EOI). The interested firms/organizations are requested to submit details in the prescribed format attached herewith a period of 30 days from the date of publication of EOI, to the address mentioned below:

**Contact Address:**

Principal Executive Director,  
S&T Directorate, Annexe-II Building,  
Research Designs & Standards Organization (RDSO),  
Ministry of Railways, Manak Nagar,  
Lucknow – 226 011, Uttar Pradesh, India  
Ph. No. 9794863312

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Email address: [tcasphase2@gmail.com](mailto:tcasphase2@gmail.com)**EOI for purpose of short listing:**

EOI can be for the purpose of short-listing the firms for further development. The model criteria for shortlisting are indicated below:

S.No	Item	Mark s	Remarks
1.	Turnover of the firm during last 3 years	20	Firm having maximum be given 20 marks and others as percentile.
2.	Details of similar supplies made in the field of item under EOI .	20	This is the turnover of similar supplies made in the field of item under EOI. The firm having maximum be given full marks & other as percentile. If the item supplied is NIL, the firm will be given Zero mark.
3.	Customer(s) and supplies made in the field of EOI	20	No of similar supplies made in the field of item under EOI. The firm having maximum be given full marks & other as percentile. If the item supplied is NIL, the firm will be given Zero mark.
4.	Experience & expertise for item proposed under EOI	20	It is based on years of experience in such products(similar supplies made in the field of item under EOI), firm having maximum be given full marks & other as percentile. The firm having less than one year experience will have to be considered NIL marks.
5.	Manpower & their qualification	10	No. of persons with professional qualification working on the field of EOI on firms direct role shall be mentioned clearly with name, designation and experience in the field. Firm having maximum be given 10 marks and others as percentile.
6.	Details of patent held & MoU/agreement with	10	Number of Patents held in similar supplies made in the field of item under EOI. Firm

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	OEM		having maximum be given 20 marks and others as percentile.
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**4.5 Details to be submitted by the respondents**

The respondents to the EOI shall submit the following details:

1. Turn-over of the firm during the last three financial years with the copies of annual report.
2. Details of various items being manufactured.
3. Details of customer(s) and supplies made in the field of item under EOI.
4. Turnover of similar supplies made in the field of item under EOI.
5. Experience and expertise for the items proposed in EOI.
6. Details of man-power with their qualification and experience. A separate sheet of manpower involved in similar supplies made in the field of item under EOI with their qualification and experience shall also be attached.
7. Detailed proposal for items proposed in EOI including alternative proposal, if any.
8. Details of Intellectual Property Rights (IPR) held, patent filed/held and MoU/agreement signed.
9. Details of ISO certification.

G. Pavan Kumar  
Executive Director/Tele II  
For Director General (S&T)