

Government of India
Ministry of Railways
Research Designs and Standards Organization
Manak Nagar, Lucknow-226011

Expression of Interest (EOI)
No. CT/MRP/EOI -2023

Ministry of Railways, Research Designs and Standards Organisation (RDSO), Lucknow, is interested in exploring the firms, who have the requisite proven technology/ indigenous & yet to be used technology for In-Situ reconditioning of CMS crossings using Robotic Welding Machine on Indian Railway and are willing to guarantee a service life of 80 GMT on each reconditioning, along with details etc. appearing on RDSO website. Firms interested for the above item are requested to see the details on RDSO website www.rdsso.indianrailways.gov.in at HOME PAGE under 'Expression of Interest (EOI)'.

Joint Director/Track-III
for Director General (Track)
RDSO, Lucknow

भारत सरकार
रेल मंत्रालय
अनुसंधान अभिकल्प और मानक संगठन
मानक नगर, लखनऊ -226011
रुचि की अभिव्यक्ति (ईओआई)
संख्या सीटी / एमआरपी / ईओआई-2023

रेल मंत्रालय, अनुसंधान अभिकल्प और मानक संगठन (आरडीएसओ), लखनऊ, को ऐसी फर्मों की खोज है, जिनके पास सीएमएस क्रॉसिंग की रोबोटिक वेल्डिंग मशीन द्वारा इन-सीटू रिकन्डिशनिंग की सिद्ध तकनीक या ऐसी अप्रयुक्त स्वदेशी तकनीक उपलब्ध हो और जो प्रत्येक रिकन्डिशनिंग के बाद 80 जीएमटी की सेवा अवधि की गारंटी एवं अन्य विवरण जोकि आरडीएसओ की वेबसाइट पर उपलब्ध है के साथ देने की इच्छुक हो। उक्त तकनीक देने में रुचि रखने वाली फर्मों से अनुरोध किया जाता है कि वह आरडीएसओ की वेबसाइट www.rdso.indianrailways.gov.in के होम पेज पर प्रदर्शित होने वाले 'EOI' शीर्षक के तहत विवरण देखें।

संयुक्त निदेशक / ट्रेक III
महानिदेशक (ट्रेक) के लिए
आरडीएसओ, लखनऊ

**Instructions/ Guidelines for the firms expressing their interest against
Expression of Interest (EOI)**

1. **Disclaimer:** Indian Railways reserves the right not to proceed with the processor at a later stage to change the process as per the requirements of Indian Railways. It also reserves the right to decline to discuss the process further with any party expressing interest. This EOI shall not be considered in any way a proposal for procurement of technology for In-Situ reconditioning of CMS crossings using Robotic Welding Machine on Indian Railway. The intending participants will furnish offer at their own cost and no claims, what so ever, in this reference will be entertained by the Railways.
2. The purpose of this EOI is to explore the various technologies in the field of In-Situ reconditioning of CMS crossings, which meet the requirements of 80GMT (min) service life and suitable for use on Indian Railway Network under prevailing and envisaged operating conditions.
3. The interested firms should either have in-house capacity of manufacturing weld consumables of the technology OR should have an agreement with an Indian firm manufacturing such weld consumables OR should have agreement with some foreign firms who are manufacturing such weld consumables proven on World Railway System. Any change in Robotic welding machine or source of weld consumables of the technology shall be considered as fresh case and shall require fresh assessment.
4. In case the offered proposal is claimed to be patented one, the firm will submit the patent registration details and documents/drawings in support of the same.
5. In case the offered proposal is claimed to be non-patented or free from IPR, the firm will submit undertaking (notarized affidavit) that the same has been developed by them and not copied from an existing product /offer/drawing, it does not violate any valid/live patent and the same is not patented/developed by any other firm(s).
6. The firm will also be required to indemnify as per proforma given in **Appendix-1** against any possible dispute/litigation in future pertaining to IPR infringement of any product / technology / offer. RDSO reserves all the rights under this exercise. In case of any doubt/dispute, the decision of RDSO shall be final.
7. Interested firms satisfying the required conditions should apply to express their interest with requisite information in duplicate to the Joint Director/Track-III, Anusandhan Bhawan, Track Design Directorate, RDSO, ManakNagar, Lucknow-226011 (INDIA).
8. Interested firms must furnish the application form and details in duplicate as per the **"FORMAT FOR LETTER OF RESPONSE"** enclosed as **Appendix-2**.
9. Interested firms should submit technical information/details of their technology in the format enclosed as **Appendix-3**.
10. For any assistance may please contact on any working day at telephone No.0522-2465768.
11. RDSO reserves all the right of this exercise .In case of any doubt/dispute, decision of RDSO shall be final.

JointDirector/Track-III
for Director General
(Track)RDSO, Lucknow

Appendix-1

(To be given on non-judicial stamp paper of appropriate value, duly notarized)

UNDERTAKING FOR INDEMNITY AGAINST INFRINGEMENT OF IPR/PATENT/REGISTERED DESIGN/TRADEMARK

I.....son of.....aged about.....resident of
.....the deponent do hereby solemnly affirm and undertake as under:

1. The deponent is the authorized signatory of the (.....name of firm/company.....) as per the documents enclosed.
2. The deponent declares on behalf of the firm/company that it has developed the..... (product description) herein after referred to as “the product” and approached the Indian Railway /RDSO for field trial and use of these products on Indian Railways.
3. The deponent declares that the aforesaid product including technology and consumables, is a patented product and the deponent has complete legal authority to use it. It is also declared that the offered product does not infringe IPR of any other firm / body etc. and has not been developed by some other firm.

OR

The deponent declares that the aforesaid product including technology and consumables developed by them is not a patented product and not protected under any copyright, brand, IPR etc. and currently there are no pending legal or any other disputes pertaining to the product. It is also declared that the offered product does not infringe IPR of any other firm / body etc. and has not been developed by some other firm.

4. On behalf of the firm/company, the deponent here by indemnifies RDSO/IR and its authorized agents/vendors (which interalia includes the Zonal Railways, Public Sector Undertakings under Ministry of Railways and Vendors developed by RDSO/Indian Railways) fully at all times from any possible litigation, claims, its cost and expenses/financial liability arising out of any violation/infringement of IPR/patent/registered design/trademark of any product/item of any other firm/company/vendor/organization located both in India and abroad for the duration of use of the said product on the Indian Railways/its units.

Deponent

Verification

I declare that the contents of aforesaid Para 1 to 4 are true to my knowledge and belief, and nothing has been concealed. I understand that furnishing of any false information in above undertaking or concealing information will lead to legal and administrative action against the firm/company.

Deponent

FORMATFORLETTEROFRESPONSE

RespondentsRef. No.:

Date:

Joint Director/Track-III Building: Anushandhan Bhavan
Research Designs & Standards Organization Ministry of Railways
Manak Nagar Lucknow-226011

Dear Sir,

Subject: RESPONSE TO – EOI FOR PARTICIPATION_____

1. We, the undersigned, offer the following information in response to the Expression of Interest sought by you vide your Notification No._____dated_____.
2. We are duly authorized to represent and act on behalf of _____
(here in after the“ respondent”)
3. We have examined and have no reservations to the EOI Document including Addenda No(s).
4. We are attaching with this letter, the copies of original documents defining:-
 - a) The Respondent's legal status;
 - b) Its principal place of business;
 - c) Its place of incorporation (if respondents are corporations); or its place of registration (if respondents are cooperative in stitutions, partnerships or individually owned firms);
 - d) Self certified financial statements of Last three years, clearly indicating the financial turnover and net worth.
 - e) Copies of any market research, business studies, feasibility reports and the like sponsored by the respondent, relevant to the project under consideration
5. We shall assist MoR and/or its authorized representatives to obtain further clarification from us, if needed.
 - a) RDSO and/or its authorized representatives may contact the following nodal persons for further information on any aspects of the Response:

S. No.	ContactName	Address	Telephone	EMail

6. This application is made in the full understanding that:
- a) Information furnished in response to EOI shall be used confidentially by RDSO for the purpose of development of the project.
 - b) RDSO reserves the right to reject or accept any or all applications, cancel the EOI and subsequent bidding process without any obligation to inform the respondent about the grounds of same.
 - c) We confirm that we are interested in participating in development of the project.
7. We certify that our turnover and net worth in the last three years is as under:

Financial Year	Turnover	Net worth

8. In response to the EOI we hereby submit the following additional details annexed to this application.
- 8.1 Details of various items being manufactured/consultancy undertaken.
 - 8.2 Details of customer(s) and supplies made in the field of in-Situ reconditioning of CMS crossings technology using Robotic Welding Machine.
 - 8.3 Experience and expertise in the field of in-Situ reconditioning of CMS crossings technology using Robotic Welding Machine.
 - 8.4 Details of man-power with their qualification and experience.
 - 8.5 Detailed proposal for in-Situ reconditioning of CMS crossings technology using Robotic Welding Machine including similar alternative proposal, if any.
 - 8.6 Details of Intellectual Property Rights (IPR) held, patent filed/held and MoU/agreement signed.
 - 8.7 Details of ISO certification.
 - 8.8 Undertaking as per Annexure-A of Appendix-2
9. The undersigned declare that the statements made and the information provided in the duly completed application are complete, true, and correct in every detail. We also understand that in the event of any information furnished by us being found later on to be incorrect or any material information having been suppressed, RDSO may delete our name from the list of qualified Respondents. We further understand that RDSO will give first preference to the applicants considered relevant for the purpose.
10. Our response is valid till (date in figures and words): _____

Yours sincerely,

(Sign) Name

In the Capacity of duly authorized to sign the response for and on behalf of M/s _____

Date

seal

Annexure-A

(To be taken on non-judicial stamp paper of appropriate value as applicable in the respective state and duly notarized & witnessed)

UNDERTAKING

I, son of.....aged about.....Years resident of.....do here by solemnly affirm as under

1. That the deponent is the Authorised signatory of *(Name of the Sole Proprietorship Concern/Partnership Firm/ Registered Company/Joint Venture)*.
2. That the deponent declares on behalf of *(Name of the Sole Proprietorship Concern/Partnership*

*Firm/RegisteredCompany/JointVenture)*that:

- a) In regard to matters relating to the security and integrity of the country, no charge sheet has been filed by an agency of the Government / conviction by a Court of Law for an offence committed by the -----(name of the entity)or by any sister concern of the----- (name of the entity) would result in disqualification.
- b) In regard to matters other than the security and integrity of the country,----- (name of the entity) has not been convicted by a Court of Law or indicted / passed any adverse order by a regulatory authority against it or it's any sister concern which relates to a grave offence, or would constitute disqualification. Grave offence is defined to be of such a nature that it outrages the moral sense of the community.

DEPONENT

VERIFICATION

I declare that the contents of para1to 2 above are true as per my knowledge and nothing has been hidden.

DEPONENT

Appendix-3

GOVERNMENT OF INDIA MINISTRY OF RAILWAYS

RESEARCH DESIGNS & STANDARDS ORGANISATION

Technical information & requirements

(To be prepared in duplicate)

1. Name & address of the firm (Work executing agency):
2. Name and address of the firm manufacturing welding consumable:
(Flux cored wire/Technology)
3. Particulars of the brand/brands of welding consumables offered for trial
(Please enclose complete technical literature, photograph, drawing of Robotic welding machine & their consumables along with details like Chemical Composition of weld metal (range), hardness range, microstructure details, deposition efficiency (core wire basis) etc. along with Batch Test Certificate (BTC).:

- (a) Name of brand/brands :
- (b) Type of brand/brands :
- (C) Claimed GMT of service (Min.) :
- (c) Code No. as per BIS (if any) :
- (d) BIS Specn. No. & Year :
- (e) AWS Specification & Code (if any) :
- (f) Sizes used, Current conditions :

Diameter of Wire (mm)	Current/Voltage (Range)	Wire feed rate	Stick out length

4. Whether the brand/brands is in use on Indian Railways/ World Railways for In-situ reconditioning of CMS crossings.
5. If yes, please enclose the performance certificate from user Railways in terms of GMT and general behavior.
6. The firm shall submit detailed procedure of In-situ reconditioning of CMS crossings using Robotic Welding Machine along with necessary precautions to be taken before, during the In-situ reconditioning of CMS crossings.
7. Technical scrutiny of documents shall be carried by RDSO and more information/ documents may be asked in this regard, if considered necessary at any stage.

8. The firm shall give a technical presentation at RDSO and practical demonstration in RDSO/ suitable yard for better appreciation of their technology for In-situ reconditioning of CMS crossings using Robotic Welding Machine.
9. Lab evaluation of the weld consumables shall be carried out by RDSO. The charges for lab testing shall be borne by the firm as admissible. After necessary satisfactory testing & successful practical demonstration etc. at RDSO, firms shall be allowed for conducting field trial of the technology as under:
 - i) In case of firms offering proven technology, field trial of the technology shall be done on 30-50 in-situ reconditioned CMS crossings in 03 Zonal Railways for minimum service life of 80GMT to assess the performance on Indian Railways.
 - ii) In case of firms offering indigenous and yet to be used technology, firms shall be allowed for initial field trial of the technology on the goods oriented routes with 30-50 in-situ reconditioned CMS crossings on 03 Zonal Railways for minimum 80GMT service life to assess the performance on Indian Railways. Extended field trial with larger numbers of in-situ reconditioned CMS crossings may also be done in more Zonal Railways, if so required.

RDSO may select and decide the Zonal Railways for carrying out effective trial of technologies offered under both the above categories.

I/We have read the above carefully & abide with the stipulations and further declare that the information furnished by me/us in this form is correct.

Encl:

Signature with date of firm's competent person

Name/s in capital with designation and seal