

**INDIAN RAILWAYS
RESEARCH DESIGNS & STANDARDS ORGANISATION
MANAK NAGAR LUCKNOW-226011**

**NOTICE No. STS/E/ISA dt. 13/November/2013
FOR INVITING EXPRESSION OF INTEREST**

Ministry of Railways, Research Designs & Standards Organization (R.D.S.O.), Lucknow is interested in forming panel of independent safety assessors(ISA) for signaling projects & products with scope given in document titled “method for shortlisting ISA”. Firms who have experience and capability and they are interested in getting empaneled as approved ISA for railway signaling projects/products (metro, mainline & generic products) in India are requested to see the details on RDSO’s website <http://www.rdso.indianrailways.gov.in/> or contact Director/ Signal, RDSO, Lucknow on Telephone No. 0522- 2465734 / email: dsig3rdso@gmail.com on any working day for further details. **The firms who have been already shortlisted for approved panel for ISA in response to our earlier EOI Notice dated 31/05/2013 need not apply again.** The firms are requested to submit details in the prescribed format by 23rd/december/13 to Sr. Executive Director/ Signal, Manak Bhawan (Annexe-I), Signal Directorate, RDSO, Manak Nagar, Lucknow –226011. Entries received after 23rd/december/ shall not be entertained.

**Sr. Executive Director/Signal
RDSO, Lucknow-226 011**

भारतीय रेल
अनुसंधान अभिकल्प एवं मानक संगठन
मानक नगर, लखनऊ & 226 011

नोटिस संख्या: एस0टी0एस0 / ई0 / आई0एस0ए0 दिनांक 13 नवम्बर 2013
अभिरुचि की अभिव्यक्ति हेतु आमंत्रण

रेल मंत्रालय, अनुसंधान अभिकल्प एवं मानक संगठन (अ0अ0मा0सं0), लखनऊ "आई0एस0ए0 शॉर्टलिस्टिंग हेतु विधि" शीर्षक दस्तावेज के दायरे में आने वाली सिगनलिंग परियोजनाओं एवं उत्पादों के लिए स्वतन्त्र सुरक्षा मूल्यांकनकर्ताओं (आई0एस0ए0) के पैनल के गठन में दिलचस्पी रखता है। फर्म जो अनुभव एवं क्षमता रखती हैं तथा भारत में रेलवे सिगनलिंग परियोजनाओं/ उत्पादों (मेट्रो, मुख्य लाइन, एवं जेनेरिक उत्पादों) के लिए अनुमोदित आई0एस0ए0 होने में रुचि रखती हैं कृपया अ0अ0मा0सं0 की वेबसाइट www.railways.gov.in पर विवरण देखें अथवा किसी भी कार्यदिवस पर विवरण हेतु निदेशक/ सिगनल, अ0अ0मा0सं0, लखनऊ के दूरभाष संख्या 0522- 2465734 / ई0मेल info@railways.gov.in के पत्र/हउंपसण्वउ पर सम्पर्क करें। वे फर्म जो पूर्व में हमारे ई0ओ0आई0 नोटिस के तहत पहले ही आई0एस0ए0 के अनुमोदित पैनल हेतु चुनी जा चुकी हैं उन्हें पुनः अभिव्यक्ति प्रस्तुत करने की आवश्यकता नहीं है। फर्मों से अनुरोध किया जाता है कि वे निर्धारित प्रारूप में विवरण दिनांक 23 दिसम्बर 2013 तक वरि0 कार्यकारी निदेशक/ सिगनल, मानक भवन, एनेक्सी -1, सिगनल निदेशालय, अ0अ0मा0सं0, लखनऊ को प्रस्तुत कर दें। 23 दिसम्बर 2013 के पश्चात् प्राप्त प्रविष्टियों / आवेदनों पर विचार नहीं किया जाएगा।

वरिष्ठ कार्यकारी निदेशक/ सिगनल,
अ0अ0मा0सं0, लखनऊ

**Instructions/ Guidelines for the firms expressing their interest against
Expression of Interest (EOI) Notice No. STS/E/ ISA dt.13/Nov/2013**

1. DISCLAIMER

Ministry of Railways' Research, Designs & Standards Organisation (RDSO) has prepared this document to give interested parties background information of the project. While RDSO has taken due care in preparation of information contained herein and believes it to be accurate, neither RDSO nor any of its officers, employees gives any warranty or make any representations, express or implied as to the completeness or accuracy of the information contained in this document or any information which may be provided in association with it. The information is not intended to be exhaustive. Interested parties are required to make their own inquiries and respondents will be required to confirm in writing that they have done so. The information is provided on the basis that it is non-binding on RDSO or any of its officers, employees or advisors.

RDSO reserves the right not to proceed with the project, at a later stage or to change the process or procedure to take the project forward. In such eventualities, RDSO will not be held responsible. It also reserves the right to decline to discuss the project further with any party expressing interest. No reimbursement of cost of any type will be paid to persons, or entities, expressing interest.

2. PURPOSE OF INVITING THE EOI

The purpose of inviting global EOI is to form panel of Independent safety assessors (ISA) for railway signalling projects & products with scope given in document titled "method for shortlisting ISA". Firms who have experience and capability and they are interested in getting empaneled as approved ISA for railway signalling projects/products (metro, mainline & generic products) in India are requested to see the attached details and respond on prescribed format..

3. SUBMISSION OF EOI BY INTERESTED FIRMS

Interested firms are requested to submit their EOI to the following postal address: Sr. Executive Director (Signal), RDSO, Annexe- I, Manak Nagar, Lucknow – Pincode-226011, by 23/December/2013 in the enclosed "Format for Letter of Response". In the EOI, the firms should mention RDSO's Notice No. STS/E/ISA dt. 13/November/2013.

4. OTHER INFORMATION

The firms will be short listed based on the attached criteria- "Method of Short listing of ISA".

Method for shortlisting ISA

- A. RDSO intends to carryout registration of competent service providers with significant previous experience in carrying out following activities in railway signalling and train control systems domain, with applicable technical standards as IEC 61508, IEC 62278 (EN 50126), IEC 62279 (EN 50128), IEC62425 (EN 50129), and IEC 62280 (EN 50159).
1. **ISA Metro- Independent safety assessment (ISA) and certification for metro signalling & train control systems** (covering systems like automatic train operation, automatic train protection, automatic train control, electronic interlocking, platform screen doors and all their interfaces)
 2. **ISA Mainline- Independent safety assessment (ISA) and certification for mainline signalling and train control systems** (Mainline systems like train protection system-TPWS/ETCS/TCAS, electronic interlocking and their interfaces)
 3. **ISA Generic products– Independent safety assessment (ISA) and certification of generic Signalling products/subsystems** – Independent safety assessment including independent verification & validation of hardware and software subsystems leading to certification of generic signalling product/subsystems as per defined safety integrity level.
- B. ISAs shall meet following qualifying requirements:
1. The ISA may be an individual or a Partnership or a Consortium or a Joint Venture registered under the relevant applicable laws.
 2. The ISA should be an accredited assessment body, under scope of ISO/IEC 65 or EN45011 or IEC 17065.
 3. ISA accreditation with appropriate scope shall be from a national/foreign **accreditation body** that is member of one of the following accreditation forums and should have been admitted to its MLA/MRA (Multilateral recognition arrangement) program with appropriate scope.
 - a. IAF (International accreditation forum),
 - b. EA (European co-operation for Accreditation),
 - c. PAC (Pacific Accreditation Cooperation) or
 4. The scope of ISA accreditation shall include assessment of the Signalling & Train Control systems/ products for Metro and mainline Railways.
 5. The ISA should have successfully completed minimum of two projects (as given in items 6 below) in any of the categories as for which he intends to apply.
 6. Credentials (submitted for reference against item 5 above) to be considered for registration process should be -
 - a. For railway signalling projects (category A.1 & A.2)- ISA & certifications of two projects with more than 10 km each and should have been completed in the last 7 years ending 31st December 2012.
 - b. For railway signalling products (Category A.3) - ISA activities related to software embedded products leading to SIL-4 certification of at least 2 generic products and should have been completed in the last 7 years ending 31st December 2012.
 7. The projects (in item 6a & 6b above) must demonstrate successful Safety Assessment and certification of systems involving appropriate scope as item 'A' above.
 8. User (Client) Certificates demonstrating achievement of each and all of the requirements in paragraph 6 above shall be provided with name, address, phone and email of person signing the certificate, shown clearly.
 9. The ISA should not have been blacklisted by any organization or penalized for poor quality work or abandoned any work in the last 7 years ending 31st December 2012.

C: Details to be submitted by ISA

Application for service category:

1. **ISA metro** – YES/NO
2. **ISA mainline** – YES/NO
3. **ISA Generic products** – YES/NO

Proof against item B1 –

type of ISA firm (appropriate documentation)

Proof against item B2, B3 &B4 of qualifying requirements -

Certification/Accreditation Details (Certificate/proof to be attached)
(details)

Proof against item B5,B6 &B7 of qualifying requirements -

Name of Project *1	Details of Safety Assessment Activities **2	Length of Project (km)	Commencement and Completion dates	System Details ***3
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Notes:

*1 Client name to be included (scope should match with category being applied for).

**2 only Signalling and Train Control Safety Assessment activities. Brief description of Services and details of specific tasks undertaken, including staffing and man-months.

***3 Name of system, country of origin, specify details of type of system, i.e. Automatic Train Control, electronic interlocking, CBTC, ETCS, distance-to-go, etc., interfacing details, and any other pertinent information.

User (Client) Certificates for Projects listed above (proof to be attached)
(details) name, address, phone and email of person signing the certificate, shown clearly
(details)
(details)

Certificate for item B9 of qualifying requirements -

Self-Certificate for compliance with item-B9
Yes/No

FORMAT FOR LETTER OF RESPONSE

Respondents Ref No.:

Date:

Sr. Executive Director (Signal)

Room No: 202, Annexe-I

Research Designs & Standards Organization

Ministry of Railways, Manak Nagar, Lucknow,

INDIA 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 _____ (hereinafter 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: -
 - 4.1. the Respondent's legal status;
 - 4.2. its principal place of business;
 - 4.3. its place of incorporation (if respondents are corporations); or its place of registration (if respondents are cooperative institutions, partnerships or individually owned firms);
 - 4.4. Self certified financial statements of Last three years, clearly indicating the financial turn over and net worth.
 - 4.5. 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.
 - 5.1. RDSO and/or its authorized representatives may contact the following nodal persons for further information on any aspects of the Response:

S. No.	Contact Name	Address	Telephone	E Mail
1				
2				

6. This application is made in the full understanding that:
 - 6.1. Information furnished in response to EOI shall be used confidentially by RDSO for the purpose of development of the project.
 - 6.2. 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.

6.3. 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	Turn over	Net worth

8. In response to the EOI we hereby submit the following additional details annexed to this application. (As described in document “method of shortlisting the ISA”)

8.1 Application for service category:

- a) **ISA metro** – YES/NO
- b) **ISA mainline** – YES/NO
- c) **ISA Generic Products** – YES/NO

8.2 Type of ISA firm (services offered)

8.3 Certification/Accreditation Details (Certificate/proof to be attached)
(details)

8.4 qualifying requirements –

Name of Project *1	Details of Safety Assessment Activities **2	Length of Project (km)	Commencement and Completion dates	System Details ***3

Notes:

*1 Client name to be included (scope should match with category being applied for).

**2 only Signalling and Train Control Safety Assessment activities. Brief description of Services and details of specific tasks undertaken, including staffing and man-months.

***3 Name of system, country of origin, specify details of type of system, i.e. Automatic Train Control, electronic interlocking, CBTC, ETCS, distance-to-go, etc., interfacing details, and any other pertinent information.

8.5 User (Client) Certificates for Projects listed above (proof to be attached)
(details) name, address, phone and email of person signing the certificate, shown clearly
(details)
(details)

8.6 Certificate for item B9 of qualifying requirements –

Self Certificate for compliance with item-9 of qualifying requirements
Submitted Yes/No

9. The following undertakings are hereby given:

9.1. 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.

9.2. 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 its against 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.

10. 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.

11. 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

Date