

SUBMISSION OF ONLINE APPLICATION BY INTERESTED FIRMS

Interested firms are requested to submit their online application as per the procedure given at (<http://www.rdso.indianrailways.gov.in/>) along with Vendor Registration fees as applicable and simultaneously send a hard copy of the documents to the following postal address: Sr. Executive Director (Signal), RDSO, Annexe- I, Manak Nagar, Lucknow – Pincode-226011, in the enclosed “Format for ISA application”. Any certificate/document which is not in Hindi/English needs to be translated in English, certified and submitted along with original.

FORMAT FOR ISA application

To

Sr. Executive Director (Signal)
Room No: 202, Annexe-I
Research Designs & Standards Organization
Ministry of Railways
Manak Nagar
Lucknow,
INDIA 226011

Dear Sir,

Subject: Application for ISA

1. We, the undersigned, offer the following information for registering our firm's name as an ISA.
2. We are duly authorized to represent and act on behalf of _____ (hereinafter the "Applicant")
3. We are attaching with this letter, the copies of original documents defining: -
 - 3.1. The Applicant's legal status;
 - 3.2. Its principal place of business;
 - 3.3. Its place of incorporation (if applicants are corporations); or its place of registration (if Applicant's are cooperative institutions, partnerships or individually owned firms);
 - 3.4. Self-certified financial statements of Last three years, clearly indicating the financial turn over and net worth.
 - 3.5. Copies of any market research, business studies, feasibility reports and the like sponsored by the Applicant, relevant to the project under consideration
4. We shall assist MoR and/or its authorized representatives to obtain further clarification from us, if needed.

4.1. RDSO and/or its authorized representatives may contact the following nodal persons for further information on any aspects of the Application:

S. No.	Contact Name	Address	Telephone	E Mail
1				

5. This application is made in the full understanding that:

5.1. Information furnished in online application/OFF line to fulfill the requirements of short listing shall be used by RDSO for evaluation of the firm and for the purpose of development of the project.

5.2. RDSO reserves the right to reject or accept any or all applications.

5.3. We confirm that we are interested in participating in development of the project.

6. We certify that our turnover and net worth in the last three years is as under:

Financial Year	Turn over	Net worth

7. In addition to online application we hereby submit the following additional details annexed to this application. (As described in document "method of shortlisting the ISA")

7.1 Application for service category:

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

7.2 Type of ISA firm (services offered)

8.3 Certification/Accreditation Details (Certificate/proof to be attached) (details)
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7.4 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 or *similarsafety critical projects in the fields like Railway Signaling/space/defense/avionics or any other similar safety critical application, etc., interfacing details, and any other pertinent information.

**** Only for Indian Firms applying in Generic Product assessment category.

7.5 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)

7.6 Certificate for item B9 of qualifying requirements -

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

8. The following undertakings are hereby given:

8.1. 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.

8.2. 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.

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
application for and on behalf of

Date

Method for short listing ISA

(I)

- 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)
 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.
 - 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.
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.

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

(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

(II)

Requirements of Indian *Govt. Firm's applying for ISA in Generic category

1. Part II is valid for Indian Government firms in category 'ISA Generic Product'. Once short listed, these Indian *Government agencies/firms will be asked to demonstrate their capability by taking project for Generic assessment. They will also require applying and obtaining the accreditation, under scope of ISO/IEC 65 or EN45011 or IEC 17065.
2. Such firms can apply as per both the methods i.e. (I) and (II) but the relaxation will be applicable to only those * Govt. Indian firms who will be applying in Generic Product assessment category. RDSO can take any decision in this regard without any notice to firms and decision of RDSO will be Final.
3. For such selected Indian Govt. firms initially the no. of projects and the progress of projects will be monitored by RDSO. After successful demonstration of obtaining the accreditation under scope of ISO/IEC 65 or EN45011 or IEC 17065 and completion of two projects the name of these firms may be regularized.

*** Note: Government Indian Firms means Indian Institutes/ Autonomous Bodies/Research, Inspection Labs/Scientific Organizations or agencies working under the ambit of Government of India.**

ISA Generic products (applicable for Indian Govt. Firms as defined above)

- 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/space/defense/avionics or any other similar safety critical application, with applicable technical standards as IEC 61508, IEC 62278 (EN 50126), IEC 62279 (EN 50128), IEC62425 (EN 50129), and IEC 62280 (EN 50159).

ISA Generic products– Independent safety assessment (ISA) and certification of generic Signaling products/subsystems – Independent safety assessment including independent verification & validation of hardware and software subsystems leading to certification of generic signaling product/subsystems as per defined safety integrity level.

- B. ISAs shall meet following qualifying requirements:

1. The Indian ISA for the Generic product assessment may be a **Government Indian Firm i.e. Indian Institutes/Autonomous Bodies/Research, Inspection Labs/Scientific Organizations or agencies working under the ambit of Government of India.**
2. The ISA should be an accredited assessment body, under scope of ISO/IEC 65 or EN45011 or IEC 17065

OR

The Government Indian firms applying for Generic category can submit other supporting documents in the relevant field like approval/authorization from the Indian Govt. authorized body for certification in safety critical items/projects. However such firms/agencies once selected will require obtaining accreditation against ISO/IEC

17065 with appropriate scope of Railway Signalling within two years through National accreditation board for certification bodies, India (NABCB). Such firms also need to submit the details of their team members like Bio Data of the members explicitly showing experience in the domain area.

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

The Government Indian Firms can submit similar scope of assessment/authorization/approval for safety critical projects like space/defense/avionics or any other similar safety critical application from the organization for which they have provided such services.

4. The scope of ISA accreditation shall include assessment of the Signaling & Train Control systems/ products for Metro and mainline Railways OR assessment/authorization/approval for safety critical projects like space/defense/avionics or any other similar safety critical application.
 5. The ISA should have successfully completed minimum of two projects (as given in items 6 below).
 6. Credentials (submitted for reference against item 5 above) to be considered for registration process should be -
For railway signaling products (Category A.3) - ISA activities related to software embedded products leading to SIL-4 certification of at least 2 generic products in the last 7 years and should have been completed in the last 7 years.
- OR
- Similar experience of SIL-4 assessment for safety critical projects in the fields like Railway Signaling/space/defense/avionics or any other similar safety critical application from the organization for which they have provided such services.
7. The projects (in item 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.

C: Details to be submitted by ISA

Application for service category:

1. 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/Authorization Details (Certificate/proof to be attached)
(details)

Proof against item B5,B6&B7 of qualifying requirements

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

Notes:

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

**2 only SIL-4 assessment for safety critical projects in the fields like Railway Signaling/space/defense/avionics or any other industrial application. 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.

User (Client) Certificates for Projects listed above
(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