

# RESEARCH DESIGNS& STANDARDS ORGANISATION

(Traction Installation Directorate)


Ministry of Railways, Research Designs& Standards Organisation (RDSO), Lucknow is interested in developing firms for items and also firm's given comments on draft specification given below. Firm's who have enough experience and capabilities in the field and ISO certificate and are interested in developing and supply of said item are requested to see the details on the RDSO website <http://www.rdsso.gov.in> or contact Shri Arun Kumar Sharma, Director/ TI/RDSO, Phone No. 0522-2465763 in Lucknow on any working day for further details.

The firms are requested to submit details in the prescribed format within one month from date of publication to Executive Director, Traction Installation Directorate, Annexi-II Abhikalp Bhawan, First Floor, RDSO, Manak Nagar, Lucknow-226011.

Sl.No	ITEM	SPECIFICATION No.
1.0	Neutral Section Assembly(Phase Break)	TI/SPC/OHE/SNS/0000 With A & C Slip No.1
2.0	Light Weight Section Insulator (LWTSI)	TI/SPC/OHE/LWTSI/0060
3.0	Galvanised Steel Stranded Wire for Traction Mast	TI/SPC/OHE/GSSW/0090With A&C Slip No. 1
4.0	25 mm Steady Arm Clamp(Forged) (RI No.2491-2) 25 mm Tube Clamp Jaw(Forged) (RI No. (2492-2) Normal Bent Steady Arm Eye Piece. Forged (RI. No. 2522-2). Double Clevis. Forged (RI.No. 3011-2) Mast Bracket Clevis Forged (RI.No.3071-1) 15. No. of 'MCI' OHE fittings/Component shall be Converted into SGCI OHE fittings. Guy rod Strap (5002), Guy rod Double Strap (5221&5222)	TI/SPC/OHE/Fittings/0130(10/13)
5.0	Post Insulator Cap & Pin Stack for 132kV Isolator	IS:2544-1973
6.0	11 kV Post Insulator	IS:2544-1973
7.0	25 kV Composite Stay Arm Insulator (1600mm CD)	TI/SPC/OHE/INSCOM/1071
8.0	25 kV Composite Bracket Insulator(1600mm CD)	TI/SPC/OHE/INSCOM/1071
9.0	25 kV Composite 9 Tonne Insulator (1600mm CD)	TI/SPC/OHE/INSCOM/1071
10.	TensileLoadTesting Machine for testing of Porcelain& Composite Insulators	TI/SPC/OHE/INSTEST/0090(02/2009)
11.	65 mm <sup>2</sup> (19/2.10mm) insulated Cadmium Copper Catenary Wire	TI/SPC/OHE/INSCAT/0000 with A&C Slip No
12.	220kV SF6 Circuit Breaker (Double Pole &Triple Pole)	TI/SPC/PSI/HVCB/0120 (June,2014) Rev.0 with A&C Slip No.01(03/2016)
13.	25 kV A C Single Pole & Double Pole Motorised Isolator for Railway Electric Traction.	TI/SPC/PSI/ISOLTR/1060 with A&C Slip No.1
14.	132kV SF6 Circuit Breaker (Double Pole &Triple Pole)	TI/SPC/PSI/HVCB/0120 (June,2014) Rev.0 with A&C Slip No.01(03/2016)
15.	Inhibited Mineral Insulating Oil, Oil for Three Phase Locomotives Convertor Oil	IEC: 60296-2003 and CLW Spec.No.CLW/ES/3/0172Latest and RDSO requirement as per Electrical Directorate 's Note No. EL/3.2.1/3 dated 30.08.2012
16.	Control & Relay Panel, Incorporating Numerical Type Protective Relays, for 25 kV AC Traction.	TI/SPC/PSI/PROTCT/6071
17.	Control and Relay Panel for Capacitor Bank	I/SPC/PSI/PROTCT/6071
18.	Control and Relay Panel, incorporating Numerical Type Protective Relays for Mumbai Suburban area.	TI/SPC/PSI/PROTCT/4050(10/2005)
19.	Numerical Type Traction Transformer Protection Relays & Electromechanical type Master, Inter trip and aux. relay	I/SPC/PSI/PROTCT/6071

	, Numerical D C monitoring/Supervision relay.	
20.	Microprocessor based Feeder Protection Module, comprising Distance Relay, Wrong Phase Coupling Relay, Instantaneous Relay, Overcurrent Protection Relay, PT Fuse Failure Relay & Auto Reclosure	TI/SPC/PSI/PROTCT/5070 (Rev.1)
21.	Delta-I Relay	TI/SPC/PSI/PROTCT/ 1982 with A&C slip No.1
22.	Panto Flash Over Protection Relay	TI/SPC/PSI/PROTCT/ 2983
23.	Numerical Type Relays For Mumbai Suburban Area	TI/SPC/PSI/PROTCT/4050(10/2005)
24.	Numerical Type Relays For OHE Protection with Parallel Operation of Traction Transformer	TI/IN/0017 & TI/SPC/PSI/PROTCT/4050(10/2005)
25.	Numerical Type Relays for 25 kV Shunt Capacitor Bank	I/SPC/PSI/PROTCT/6071
26.	52kV, 3150 A ,OIP Condenser Bushing for Main Transformer	IS:2099-1986 IS:12676-1989 IEC:137-1997
27.	245kV, 800 A ,OIP Condenser Bushing for Main Transformer	IS:2099-1986 IS:12676-1989 IEC:137-1997
28.	Dry type Air Core, Series Reactor for 25 kV HT Capacitor Bank	TI/SPC/PSI/FC&SR/0100
29.	Development of 25kV porcelain Post, Operating rod & Sectioning Insulators with 1050 mm CD	TI/SPC/OHE/INS/0070
30.	Development of 25 kV composite Post, Operating rod & Sectioning Insulators with 1050 mm CD.	TI/SPC/OHE/INCOM/1071
31.	Performance Specification for modular cantilever system	TI/SPC/OHE/MCS/0150(04/2015)
32.	Five Pulley Auto Tensioning device for 25 kV AC Traction	TI/SPC/OHE/5PATD/0130
33.	Development of Hard Drawn Stranded Magnesium Copper Conductors ( Catenary Wire) for Over Head Electric Traction	TI/SPC/OHE/CAT(Cu-Mg)/0150(06/2015)
34.	Control and relay panel including numerical type protection relays for 2X25 kV traction Sub - Station	TI/SPC/PSI/PROTCT/7100(07/2012)
35.	Spring Auto Tensioning Device	TI/PSI/OHE/SPRINGATD/0110(03/2012)

The firms are requested to submit details in the prescribed format available on website (link <http://www.rdsi.indianrailways.gov.in> ⇒ EOI ⇒ Traction Installation to ED/TI, Traction Installation Directorate, Research, Designs & Standards Organization (RDSO), 1st Floor, Annexe-II Abhikalp Bhawan, Manak Nagar, Lucknow -226 011.

  
 Executive Director -Co./TI/RDSO  
 For Director General/RDSO  
 On Behalf of President of India

**N.O.O.**

**ADE/TMS** :For uploading on RDSO website.

**DTI-PSI & DDTI-PSI**: For information.

1. **Annexure**

**FORMAT FOR LETTER OF RESPONSE**

Respondents Ref No.:

Date:

Designation of officer to whom the respondent replies  
Executive Director/QA(Mech),  
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 likesponsored 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

7.1 In response to the EOI we hereby submit the following additional details annexed to this application.

- Details of various items being manufactured/consultancy undertaken.
- Details of customer(s) and supplies made in the field of item under Eoi.
- Experience and expertise for the items proposed in EOI.
- Details of man-power with their qualification and experience.
- Detailed proposal for items proposed in EOI including alternative proposal, if any.
- Details of Intellectual Property Rights (IPR) held, patent filed/held and MoU/agreement signed.
- Details of ISO certification

8. The following undertakings are hereby given:

8.1. In regard to matters relating to the security and integrity of the country, no chargesheet 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  
response for and on behalf of

Date

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

**UNDERTAKING**

I, son of ..... aged about ..... Years resident of ..... do hereby 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/ Registered Company/ Joint Venture) 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 para 1 to 2 above are true as per my knowledge and nothing has been hidden.

**DEPONENT**