Notice
(Notice No. CT/FF/Misc. Dated 22.05.2020)
for
‘GLOBAL REQUEST FOR PROPOSAL’

Ministry of Railways, Research Designs & Standards Organisation (R.D.S.O.), Lucknow is inviting the proposals from firms/organizations for introduction of High Performance Rail Clamps for Standard/Joggled fish plates for Indian Railways.

For any further clarifications, Firms may contact Joint Director/Track-VI, Lucknow on Telephone No. +91-522-2462796 or/and email at: dtd6rdso@gmail.com on any working day for further details.

Further, any corrigendum/addendum on the above RFP if required, will be uploaded on RDSO’s website. All concerned are requested to follow the RDSO’s website at www.rdso.indianrailways.gov.in for any further changes in this RFP.

The firms are requested to submit the proposal and requisite details in the prescribed format to Jt. Director/Track-VI, Anusandhan Bhawan, Track Design Directorate, RDSO, Manak Nagar, Lucknow -226011 (UP), India.

Firms submitting proposals shall note that:

1. This ‘RFP is only for the purpose of short listing of the High Performance Rail Clamps for Standard/Joggled fish plates for Indian Railways meeting the stipulated ‘FUNCTIONAL REQUIREMENT SPECIFICATION (FRS) FOR HIGH PERFORMANCE RAIL CLAMP WITH STANDARD/JOGGLED FISH PLATE ON INDIAN RAILWAYS’ as given in Appendix-1 of this document for considering for undertaking field trial of High Performance Rail Clamp in the Zonal Railways of Indian Railways to increase the speed on clamped track and life of clamps by replacing with high performance rail clamp.

2. IMPORTANT NOTE: All the desired information related to Appendix 1 & 2 should be given in tabular form indicating as to what information is available at what page number/annexure. Only relevant documents should be submitted otherwise the proposal may be rejected without any further clarification from Indian Railways.

3. Budgetary cost of the proposed High performance Rail Clamp for Standard/Joggled fish plates for Indian Railways shall be furnished as per set.

Joint Director/Track-VI
for Director General (Track)
RDSO, Lucknow
(for & on behalf of President of India)
GLOBAL REQUEST FOR PROPOSAL (RFP) FOR INVITING FIRMS/ORGANIZATIONS FOR INTRODUCTION OF HIGH PERFORMANCE RAIL CLAMPS FOR STANDARD/JOGGLED FISH PLATES FOR USE IN INDIAN RAILWAYS

Notification No. CT/FF/Misc, Dated 22.05.2020

1. DISCLAIMER:

Indian Railways reserve the right not to proceed with the process or change the process at a later stage as per the requirements of Indian Railways. It also reserves the right to decline to discuss the process further with any party expressing interest in the RFP. This RFP shall not be considered in any way a proposal for procurement of rail clamps. The intending participants will furnish offer at their own cost and no claims, whatsoever, in this reference will be entertained by the Indian Railways.

2. PURPOSE OF INVITING RFP:

This Global Request for Proposal is invited for selection/shortlisting of High Performance Rail Clamps suitable for use on existing Standard/Jogged Fish Plates used in Indian Railways. The selected/shortlisted system shall be considered for trial on Indian Railways for a period of about two years. It is proposed to undertake the trial of selected/short listed system(s) on Zonal Railways. Based on performance report of field trial, the clamp shall be considered for regular use on IR after approval of Competent Authority. The proposed Clamp shall meet functional requirements given in FUNCTIONAL REQUIREMENT SPECIFICATION (FRS) FOR HIGH PERFORMANCE RAIL CLAMP WITH STANDARD/JOGGLED FISH PLATE ON INDIAN RAILWAYS, (hereafter referred as FRS) attached as Appendix-1.

3. GENERAL INSTRUCTIONS FOR SUBMITTING RESPONSE TO RFP:

3.1 ACCEPTANCE CRITERIA:

(i) The firm shall be manufacturer/supplier of rail clamps for standard/jogged fish plates. This firm will be called system provider.

(ii) The system provider located abroad can supply through its authorised representative/licensed firm located in India. For this purpose, exclusive "Agreement" or "Memorandum of Understanding" should be executed by the system provider with the authorized representatives/licensed firm located in India.

(iii) The system provider should offer the clamps of proven technology working satisfactorily on any other world railway system. Certificates of having proven/satisfactory record for a minimum period of 5 years issued by the concerned railway authority shall also be submitted.

(iv) The Original Equipment Manufacturer (OEM) shall possess sound technical credentials along with necessary infrastructure. Moreover, the OEM will provide
demonstration to the Indian Railways personnel for installation and maintenance of the same.

(v) The performance of the material will be assessed on the basis of the FRS.

(vi) The system provider shall submit technical details and specifications of the offered system.

(vii) The system provider shall also submit the test results on the various tests conducted on the offered system for its suitability/durability with acceptance criteria.

(viii) Design shall be as per relevant codes of practice such as BIS, EN, IRS, IRC, ASTM and UIC with latest revision/edition. If for any item/work, above mentioned codes are not relevant, best available Engineering practice / International codes shall be mentioned.

(ix) This High Performance Rail Clamps should be compatible for use with standard /joggled fish plate for 60 Kg /52 Kg rail on the Indian Railways as under:

<table>
<thead>
<tr>
<th>Standard Fish Plate</th>
<th>Joggled Fish Plate</th>
</tr>
</thead>
<tbody>
<tr>
<td>RDSO/T-3714</td>
<td>52kg &amp; 60kg</td>
</tr>
<tr>
<td>RDSO/T-5850 to</td>
<td>RDSO/T-5551</td>
</tr>
<tr>
<td>RDSO/T-5851</td>
<td>52 kg</td>
</tr>
<tr>
<td>RDSO/T-5915</td>
<td>52kg</td>
</tr>
<tr>
<td>RDSO/T-5916</td>
<td>60kg</td>
</tr>
<tr>
<td></td>
<td>RDSO/T-5849</td>
</tr>
<tr>
<td></td>
<td>60 kg</td>
</tr>
</tbody>
</table>

Note: Offered system shall be evaluated based on its compatibility with 52kg or 60kg or both types of rails (52kg & 60kg) as the case may be for use with standard/joggled fish plate as tabulated above.

(x) A budgetary estimate of the approximate cost of each set of High Performance Rail Clamp for Standard/Joggled fish plates for Indian Railways including its fixing/installation and its maintenance cost should be furnished separately in separate envelopes.

3.2 The submission by interested firms shall be made to Joint Director/Track-VI, RDSO, Anusandhan Bhawan, Manak Nagar, Lucknow-226011(UP), India. The respondents must furnish the application form & details in duplicate as required in the "Format for Letter of Response" in Appendix - '2', Undertaking at Appendix-'3'. All pages of the documents should be signed with stamp. In the RFP, the firms should mention RDSO's Notification no. CT/FF/Misc, dated 22.05.2020.
3.3 The firm should submit technical information/details of their clamping system in reference to the performance requirements of the clamping system as given in FRS. An incomplete offer shall be liable to be rejected.

3.4 The firm should submit technical literature, test reports related to proposed technology conducted by any of the world's recognized/accredited institute/test house, user certificate, drawings and any other necessary documents. The information supplied should be able to demonstrate, compliance of the clamps as per the requirements of this RFP.

3.5 The details forwarded by the firm shall be scrutinized by a nominated committee at RDSO, as per its ISO Procedure. After scrutinizing the details, the firm shall be advised for clarifications required, if any. The firm will have to submit the clarification within one month of intimation.

3.6 If required, the firms may be required to arrange for a detailed technical presentation at RDSO about all details mentioned in this document for their offered clamping system.

3.7 RDSO reserves all the right to this exercise. In case of any doubt/dispute, the decision of RDSO shall be final.

3.8 **IMPORTANT NOTE:** All the desired information related to Appendix 1 & 2 should be given in tabular form indicating as to what information is available at what page number/annexure. Only relevant documents should be submitted otherwise the proposal may be rejected without any further clarification from Indian Railways.

4. SUBMISSION OF OFFERS

1. The format for submission of offers and "**Functional Requirement Specification (FRS) for Rail clamp with standard/joggled fishplate for Indian Railways**" can be downloaded from the RDSO website [www.rdso.indianrailways.gov.in](http://www.rdso.indianrailways.gov.in).

2. The complete application along with undertaking and other supporting documents as required in RFP shall be submitted to Joint Director/Track-VI, RDSO, Anusandhan Bhawan, Manak Nagar, Lucknow-226011(UP), India.

3. For any clarification, Joint Director/Track-VI, RDSO, Anusandhan Bhawan, Manak Nagar, Lucknow-226011(UP), India can be contacted in person on a working day or through e-mail at dtd6rdso@gmail.com.

[Signature]

Joint Director/Track-VI,  
For Director General (Track),  
RDSO, Lucknow
FUNCTIONAL REQUIREMENT SPECIFICATION (FRS) FOR HIGH PERFORMANCE RAIL CLAMP WITH STANDARD/JOGGLED FISH PLATE ON INDIAN RAILWAYS.

1. EXISTING TRACK STRUCTURE ON INDIAN RAILWAYS:
   60Kg/52 Kg Rail laid on Pre-stressed Concrete Sleepers at sleeper density 1540/1660 nos. per km with elastic fastenings and ballast cushion of 300/350 mm on important Broad Gauge routes.

2. OPERATING CONDITIONS OF IR:
   (i) Axle load and Speed

<table>
<thead>
<tr>
<th>Traffic Type</th>
<th>Axle Load</th>
<th>Speed upto</th>
</tr>
</thead>
<tbody>
<tr>
<td>Goods</td>
<td>25T</td>
<td>100 kmph</td>
</tr>
<tr>
<td>Passenger</td>
<td>20T</td>
<td>160 Kmph</td>
</tr>
</tbody>
</table>

(ii) Electric Traction (Minimum) : 25 KV AC.
(iii) Track Circuits : DC (2 – 6 volts) / AC 110V & AFTC
(iv) Gauge : Broad Gauge, Nominal (1676 mm)
(v) Ambient Temperature : (-) 5°C to 50°C.
(vi) Rail Temperature : (-) 15°C to (+) 76°C.
(vii) Humidity : Max. 100%

3. The clamping system with standard fish plate/jogged fish plate should be compatible with the existing track structure and operating conditions as given in 1 and 2 above. It should enable passing of trains at a higher speed.

4. The clamp should be made up of durable material so that the clamp is in usable condition for a minimum period of 8-10 years. The details of the material used in the manufacturing of the clamp shall be furnished. Reports of tests conducted on clamps relating to its quality, type of material, strength of material etc. shall be provided.

5. Clamp should be of compact design, lightweight with less maintenance and should be mounted directly on standard or jogged fish plate on rail/weld joint without drilling of a hole in the rail. The detailed installation procedure should be furnished along with dimensional drawings and pictures.

6. The firm would specify the clamping force for the system. The minimum clamping force for the complete system (including all the clamps) should not be less than 30 KN.

7. The jaw of the clamp may be connected by suitable arrangement to exert a requisite clamping force on fish/jogged fish plate such that the clamp is capable of fixing the rails to proper alignment.

8. The screw or nut of the clamping arrangement should be secured by some locking arrangement to protect from the loosening of clamps due to the movement of traffic.
Initial tightening torque and resulting clamping force for the arrangement shall be furnished.

9. The clamp should not loose the tightening torque by more than 20% of the initial tightening torque in 30 days, when put in service in running track. The frequency of inspection/maintenance of the system would be furnished. The corresponding nature of traffic and detailed items of inspection/maintenance would be furnished.

10. Minimum ballast excavation should be required in ballasted track and the system should also be usable on ballastless track. Mounting and dismounting of clamps should be easy. The clamp should also enable unhindered working of track machine.

11. Certificate for satisfactory performance in running track at a minimum speed of 50Kmph (100 Kmph desirable) from world railway networks, where it is in use, shall be provided along with track structure and operating conditions of that railway. The duration of use on that railway shall also be provided.
FORMAT FOR LETTER OF RESPONSE

Respondents Ref No.:
Date:

Joint Director/Track-VI
Building: Anusandhan Bhawan,
Research Designs & Standards Organization (RDSO)
Ministry of Railways, Manak Nagar
Lucknow,(UP), INDIA, Pin - 226011

Dear Sir,

Subject: RESPONSE TO GLOBAL RFP FOR PARTICIPATION

1. We, the undersigned, offer the following information in response to the Request for Proposal (RFP) sought by you vide your Notification No. CT/FF/Misc dated 22.05.2020.

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 RFP Document including addenda/corrigenda no(s).......................... respectively.

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 institutions, partnerships or individually owned firms);
   d. Self certified financial statements for last three years, clearly indicating the financial turn over 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 Ministry of Railways (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:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Contact Name</th>
<th>Address</th>
<th>Telephone</th>
<th>E Mail</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
6. This application is made in the full understanding that:
   a) Information furnished in response to RFP shall be used confidentially by RDSO as required.
   b) RDSO reserves the right to reject or accept any or all applications, cancel the RFP and subsequent 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.
   d) This RFP is for exploring worldwide used advanced technologies and global availability of rail clamps for use in Indian Railways as per FRS and not for its procurement.

7. In response to the RFP, we hereby submit the following details annexed to this application-
   a) Details of customer(s)/Railways where rail clamps have been supplied by the firm including quantity during last 3 years.
   b) Experience and expertise for the rail clamping system as proposed in RFP.
   c) Complete details of the clamping system with drawing and specification of each component & test certificates as per Appendix-‘2’.
   d) Details of Intellectual Property Rights (IPR) held, patent filed/held and MoU/agreement signed.
   e) Details of ISO/equivalent certification, if any.
   f) Documents in proof of acceptance criteria.
   g) Para wise compliance with supporting documents shall be provided in reference to Appendix-1 & 2.
   h) Undertaking as per Appendix-3.
   i) A budgetary estimate of the approximate cost of each set of High Performance Rail Clamp for Standard/Jogged fish plates for Indian Railways including its fixing/installation and its maintenance cost should be furnished separately in separate envelopes.

8. 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.

Yours sincerely,
(Sign)
NAME:
In the Capacity of
duly authorized to sign the
response for and on behalf of
Date:
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 / 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