



**GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS**

**QUALIFYING CRITERIA
FOR
DEVELOPMENT OF ELECTRONIC UNIT INJECTOR (EUI) FUEL SYSTEM
FOR
DLW BUILT 16-CYLINDER 4500 HP EMD 710 G3B LOCOMOTIVES**

**Specification No. TS/ED/2012/65
Revision-1
June-2014**

**Engine Development Directorate
Research Designs and Standards Organisation
Manak Nagar, Lucknow-226011**

1. QUALIFYING CRITERIA FOR BIDDERS

1. The bidder shall be in the line of design, development and manufacture of Electronic Unit Injector (EUI) systems and subsystems for at least past five years ending 31st March of the previous financial year. The bidder should have expertise in the following areas: -
 - a. Design of the various elements of the EUI system as given in the scope of the project
 - b. Have manufacturing, programming, integration and trouble-shooting capabilities for hardware and software production.
2. The bidder must have supplied at least ten such EUI systems for diesel locomotives to established railways in the past five years. The EUI systems so supplied must have been in operation for a period of at least two years with satisfactory performance as certified by the established railway. Established railway shall imply to mean a railway similar to IR, Chinese Railways or Class 1 railroads of US and UK.
3. Bidder should also take the responsibility of the overall system integration, testing, optimization & validation of the EUI system on the test engine at RDSO engine development directorate as well as on the locomotive in coordination with Indian Railways.
4. The bidder shall have requisite software and hardware to meet the requirements of the project. Bidder may tie-up with suitable vendor(s) for meeting the software and hardware requirements. Any such tie up should be before the date of opening of tender and the proof of the same must be attached with the bid. The proof of such tie up work in form of MOU or agreement between firms to be enclosed. Capability and resource assessment of the sub-vendor, if any, engaged by the bidder shall however be the responsibility of the bidder.
5. The bidder shall have qualified and experienced personnel for undertaking this project. The bidder shall submit qualification and experience profile of each such personnel along with the offer. The bidder shall furnish an undertaking to have adequate personnel on their roll during the execution, till completion of the project. Bidder may tie-up with suitable vendor(s) for augmentation of personnel requirements. Capability and resource assessment of such sub-vendor, if any, engaged by the bidder shall however be the responsibility of the bidder.
6. Annual financial turnover during the last 3 years, ending 31st March of the previous financial year, should be at least 02 Lakh USD or equivalent in any other currency. The firm shall submit following documents in support of the above clause
 - a. Audited balance sheet for last three years by chartered accountant or payment certificate/financial statement duly issued by officer of concern department.
 - b. Profit and loss account statements for last three years.

2. DISQUALIFICATION

Indian Railways would like to caution that the respondents shall be ineligible to bid for or participate for development of the project in any one of following cases:-

1. In regard to matters relating to the security and integrity of the country, any charge sheet by any agency of the government or conviction by a court of law for an offence committed by the company or any sister concern of the company would result in disqualification. The decision in regard to the relationship between the sister concerns would be taken by Indian Railways, based on the relevant facts and after examining whether the two concerns are substantially controlled by the same person/persons.
2. In regard to matters other than security and integrity of the country, any conviction by a court of law or indictment/adverse order by a regulatory authority against the company or against any sister concern which relates to a grave offence, would constitute disqualification. Grave offence is defined to be of such a nature that it outrages the moral sense of the community. The decision in regard to the nature of the offence would be taken by Indian Railways, on case to case basis after considering the facts of the case and relevant legal regulations in vogue in India.
3. In regard to matters of International Trade, any conviction by an International Agency like U.N or any other Government besides the Government of India, against the company or against any sister concern which relates to grave offence, would constitute disqualification.