

**EXPRESSION OF INTEREST -EOI  
(TECHNICAL)  
FOR  
VACUUM EJECTOR PACKAGE**

## 1.0 Objective

Engineers India Limited (EIL), has expertise in the development, scale-up and commercialization of various Process Technologies over the years, including Ejector Technology for creating vacuum for various process requirements. The purpose of this EOI (Expression of Interest) is to identify domestic vendors under the ambit of Atma Nirbhar Bharat who will assemble / integrate all the items / equipment of vacuum ejector package (based on EIL's indigenous technology), and also manufacturer / supplier of either Ejectors / Condensers / LRVP and capable for the procurement / supply of balance items of vacuum package which shall be bought from EIL enlisted vendors only. The site activities work like installation / erection, Hook-up of interconnecting piping / fitting / valves, testing, assistance during pre-commissioning / commissioning etc. shall also be carried out by the vendor, as required. Further, Process, Hydraulic / Thermal, Mechanical and Performance Guarantee of the complete package shall be provided by EIL. Residual Mechanical / Fabrication / workmanship Guarantee shall be provided by the vendor.

Subsequently, it is intended to enlist the vendor as package vendor for supplying EIL's Engineered Vacuum Ejector System to clients. EIL invites Expression of Interest (EOI) from prospective vendors for supplying of Vacuum Ejector Package and prospective vendors to enlist themselves in EIL vendor list as Package Vendor for EIL's Engineered Vacuum Ejector Package.

Package Vendor shall meet the following Qualification and Experience Criteria as a minimum, as applicable for the scope of work and supply briefly outlined below:

## 2.0 Scope of Work & Supply

### 2.1 Scope of work:

Residual Mechanical Design and Engineering of either Ejector / Condenser / Supply of Skid Mounted LRVP, Supply of Vacuum Valves, Supply of Instrumentation & Control as required, Procurement of materials & bought-out components, Preparation of Engineering / Fabrication drawings, Manufacture / Fabrication, Inspection & Testing at shop, Packing & Forwarding, Transportation to site, site activities and handover of complete package to client for commissioning of the complete system.

## 2.2 Scope of Supply:

- a) Ejectors
- b) Condensers
- c) Skid mounted LRVP (as applicable)
- d) Instrumentation items such as Control valves, PSVs, Flow instruments, Pressure Instruments, Temperature Instruments, Level Instruments etc.
- e) Electrical items such as Cables, LCP, PDB, MOVs, Looping box, Junction box, etc.
- f) Interconnecting Piping, Fitting, Valves, etc.
- g) Structural items like skid, ladder, platform etc.

**Note :** Bought-out items shall be procured from EIL's approved sub-vendors only. Further, note the following for bought -out items:

- Condenser & Skid mounted LRVP (if, Package vendor is a fabricator of Ejector)
- Ejector & Skid mounted LRVP (if, Package vendor is a fabricator of Condenser)
- Ejector & Condenser (if, Package vendor is a supplier of LRVP)

## 3.0 Qualification criteria (Technical)

Qualification criteria in order to qualify for this EOI shall be as under:

- 3.1 Vendor on his own shall have the capability of Residual Design, Engineering, Manufacture / Fabrication of any one of the two major items (i.e. Ejectors / Condensers) or regular supplier of LRVP and supplied at least two (2) items within the last Ten (10) years, one (1) of the items shall be in operational for minimum one (1) year to the date of Online application.
- 3.2 Vendor on his own shall have the capability of Procurement of bought out items, for at least any two (2) Packages which consist of Instrumentation, Electricals, Piping, Structural, Static & Rotating Equipment etc. on Single Point Responsibility Vendor (SPRV) basis within the last Ten (10) years to the date of Online application.
- 3.3 Qualifying Job, as per clause No. 3.1 & 3.2, should have been executed for Hydrocarbon sector (such as Petroleum Refinery, On-shore or Off-shore, Petrochemical, Oil and gas processing applications).
- 3.4 Vendor may submit for qualifying job, with the activities mentioned in Clause No. 3.1 and 3.2 – together or individually.

3.5 In the qualifying jobs, the scope of work mentioned in above clause No. 2.0 should have been executed by the vendor on his own and sub-contracting of work for design, engineering, procurement etc. in the qualifying jobs is not acceptable.

#### 4.0 DOCUMENTATION REQUIRED WITH QUALIFICATION APPLICATION:

4.1 Package Vendor shall fill and submit the Annexure-I - Experience Record Pro-forma (ERP) enclosed with this document to establish that the vendor meets the Qualification Criteria as per above Clause 3.0.

4.2 Package Vendor shall submit documentary evidences in support of the qualifying jobs filled in the ERP (Experience Record Performa). Only the relevant pages of documentary evidences shall be submitted i.e. the pages, which contains project name, Job No., client names, PO Nos., Vendor names, document/drawing Nos., Signatures / stamps by respective clients / authority and other information required for establishing the criteria specified in this document. Proprietary information & Prices may be hidden in these documentary evidences, before submission.

4.3 The following documents (copies) shall be submitted, as minimum, for each qualifying job. However, vendor shall submit additional documentary evidences, as per requirements and EIL may also request for additional documentary evidences, at a later stage.

- a. Client's Purchase Order.
- b. Client's Purchase Requirements (such as scope of work etc.).
- c. IRN /Client's package receiving letter for supply of items to client's location.
- d. Approved Drawings of Ejector / Condenser / LRVP GAD and System /Package GAD.
- e. Vendor's PO of Control valve / PSVs.
- f. Vendor's PO of electrical items.
- g. Vendor's PO of Instrumentation items.
- h. Additional document from the client that equipment is in operation since last one year.