

GLOBAL EXPRESSION OF INTEREST (EOI) UNDER INTERNATIONAL COMPETITIVE BASIS FOR LUMPSUM TURNKEY CONTRACT (LSTK) / ENGINEERING PROCUREMENT & CONSTRUCTION (EPC) SERVICES FOR DEVELOPMENT OF VARIOUS FACILITIES IN THE RAJASTHAN BLOCK.

Cairn India Limited now Merged with Vedanta Ltd is the Operator on behalf of itself and Joint Venture (JV) partner Oil & Natural Gas Corporation (ONGC) Ltd., of the onshore block RJ-ON-90/1 (the "Block") located in Barmer and Jalore district, in the state of Rajasthan, India. The Block contains a number of major oil discoveries including the Mangala, Bhagyam, Aishwarya, Raageshwari and other fields.

Operator on behalf of itself and its joint venture partners invites Expression of Interest for below Projects under International Competitive Bidding ("ICB") process from reputed Contractors with demonstrated HSE performance and proven track record with capabilities in Engineering, Procurement, Construction and Commissioning.

With a focus on developing the large resource base of over one billion boe, the company is making continuous efforts to advance key projects to the production stage. In-line with the objective of enhancing recovery from the core fields, the company is planning on some key development Projects as outlined below:

1. Polymer Flood Projects (Mangala / Bhagyam / Aishwariya / Other Fields)
2. Mangala Processing Terminal Upgrade
3. Intra-field Pipelines
4. Aishwariya Barmer Hill
5. Small Field Developments
6. Sulphate Removal Plant
7. Alkali Surfactant Polymer (ASP) Flood Projects
8. Other Miscellaneous Projects

A. EPC/LSTK SERVICES FOR VARIOUS PROJECTS (EXCEPT SULPHATE REMOVAL PROJECT)

Brief Scope of work:

LSTK / EPC Contractor's scope would include checking and verification of the FEED (Front End Engineering & Design) package, detailed design, engineering, residual engineering, procurement, inspection, testing, expediting and supply of materials and equipment, erection / installation and construction, pre-commissioning, performance testing, start-up and commissioning and PGTR.

Typical facilities shall include, but not be limited to:

- Well Pads
- Pipelines
- Oil and Gas Processing Facilities
- Enhanced Oil Recovery Facilities
- Power, utilities and other Infrastructure

Only those Contractors or Consortiums who possess substantial and proven track records of execution of EPC projects of similar nature, magnitude and meet the "Specific Pre-Qualification Criteria" defined below shall respond to this EOI.

Specific Pre-Qualification Criteria (Go/No-Go Criteria) (for projects pertaining to A above):

Technical

The Interested Parties (Bidder in the case of single entity or Leader in case of the Consortium) shall have successfully completed major Chemical / Refinery / Oil & Gas projects on Engineering Procurement Construction (EPC) basis as Contractor or Leader of the consortium, in last ten years.

The supporting documentation from the Interested Parties shall pertain to projects in Chemical / Refinery / Oil & Gas on EPC or LSTK basis covering all aspects of execution including project management, procurement, design & engineering, construction & installation, testing & pre-commissioning, and commissioning.

Such qualifying projects shall meet the below mentioned **mandatory** requirements of experience and Contract value:

- i. At least Two (02) major Chemical / Refinery / Oil & Gas projects of value more than USD 10 Million each in the last ten years.

OR
- ii. At least one (1) major Chemical / Refinery / Oil & Gas project of value more than USD 40 Million in the last ten years.

Only completed projects shall be considered for evaluation. The ten year time period mentioned above shall be reckoned from the date of issue of this EoI.

The details of projects executed in the last 10 years shall be submitted only as per the format attached with this EOI (Refer Annexure-1).

B. EPC/LSTK SERVICES FOR SULPHATE REMOVAL PLANT PROJECT

Brief Scope of Work:

LSTK / EPC Contractor's scope would include checking and verification of the FEED (Front End Engineering & Design) package, detailed design, engineering, residual engineering, procurement, inspection, testing, expediting and supply of materials and equipment, erection / installation and construction, pre-commissioning, performance testing, start-up and commissioning and PGTR on EPC basis for Sulphate Removal Plant (Package) comprising of :

- **Pre-treatment System:** Water Pre-treatment system consisting of Multi – Media filters and Cartridge filters to handle 350,000 BWP. Pre-treatment system to include Chlorine and SMBS Dosing of Multi-Media filters, Anti – Scalants to treat water incoming at a temperature of 40°C - 45°C and pH in the range of 6.8 - 7.2.
- **Sulphate Removal Unit:** Unit needs to reduce inlet water Sulphate concentration from 500-550 ppm to < 10 ppm with a reject of < 10% at an inlet water flow rate of 350,000 BWP. The recommended technology is NF (Nano Filtration) + RO (Reverse Osmosis) membranes. Additionally, setup to have a Cleaning in Place (CIP) system consisting of Cleaning tank, Electric heater, Pump, Filter, and Chemical Injection skid.
- **High Pressure Pipeline System** High Pressure Pipeline and Pumps including Booster Pumps for reject disposal into disposal wells (away from the plant in the proposed ROU)
- **Substation/ E-House** Construction of Electrical Substation/ E-House
- **Flow management:** Use of break tanks and corresponding pumps for managing flow for Feed inlet, product, and reject system.
- **Utilities:** Utility System like Air and Nitrogen Package, Fire Fighting System, Emergency
- Interface with existing facility
- **Plant Infrastructure:** Roads, Drainage, culverts, pipe racks, watch towers, area lighting etc.
- **Well pad for reject disposal wells:** Development of well pad including surface facilities like pipeline, OHL, substation/E-House, control room etc. (Well Drilling by Company).

Specific Pre-Qualification Criteria (Go/No-Go Criteria) for B above:

Technical

The Interested Parties (Bidder in the case of single entity or as Leader or other partner in case of the Consortium) shall have successfully completed major Chemical / Refinery / Oil & Gas / Water Treatment projects on Engineering Procurement Construction (EPC) basis as Contractor or Leader of the consortium, in last ten years.

The supporting documentation from the Interested Parties shall pertain to projects in Chemical / Refinery / Oil & Gas / Water Treatment Industries on EPC basis covering all aspects of execution including project management, procurement, design & engineering, construction & installation, testing & pre-commissioning, and commissioning & PGTR.

Qualifying projects shall meet the below mentioned **mandatory** requirements of experience:

- i. The Interested Parties (Bidder in the case of single entity or as Leader or other partner in case of the Consortium) shall have successfully completed at least one Water Treatment Project of 175,000 BPD capacity or two Water Treatment Projects of 105,000 BPD capacity.

Only completed projects shall be considered for evaluation. The ten year time period mentioned above shall be reckoned from the date of issue of this EoI.

The details of projects executed in the last 10 years shall be submitted only as per the format attached with this EOI (Refer Annexure-1).

c. EPC/LSTK SERVICES FOR SMALL FIELD PROJECTS

Brief Scope of work:

LSTK / EPC Contractor's scope would include checking and verification of the FEED (Front End Engineering & Design) package, detailed design, engineering, residual engineering, procurement, inspection, testing, expediting and supply of materials and equipment, erection / installation and construction, pre-commissioning, performance testing, start-up and commissioning and PGTR.

Typical facilities shall include, but not be limited to:

- Well Pads
- Pipelines
- Small scale Oil and Gas Processing Facilities
- Small scale Enhanced Oil Recovery Facilities
- Power, utilities and other Infrastructure

Only those Contractors or Consortiums who possess substantial and proven track records of execution of EPC projects of similar nature, magnitude and meet the "Specific Pre-Qualification Criteria" defined below shall respond to this EOI.

Specific Pre-Qualification Criteria (Go/No-Go Criteria) (for projects pertaining to C above)

Technical

The Interested Parties (Bidder in the case of single entity or Leader in case of the Consortium) shall have successfully completed major Chemical / Refinery / Oil & Gas projects on Engineering Procurement Construction (EPC) basis as Contractor or Leader of the consortium, in last ten years.

The supporting documentation from the Interested Parties shall pertain to projects in Chemical / Refinery / Oil & Gas / Water Treatment Industries on EPC or LSTK basis covering all aspects of execution including project management, procurement, design & engineering, construction & installation, testing & pre-commissioning, and commissioning.

Such qualifying projects shall meet the below mentioned **mandatory** requirements of experience and Contract value:

- iii. At least Two (02) major Chemical / Refinery / Oil & Gas projects of value more than USD 5 Million each in the last ten years.

OR

- iv. At least one (1) major Chemical / Refinery / Oil & Gas project of value more than USD 10 Million in the last ten years.

Only completed projects shall be considered for evaluation. The ten year time period mentioned above shall be reckoned from the date of issue of this EoI.

The details of projects executed in the last 10 years shall be submitted only as per the format attached with this EOI (Refer Annexure-1).

INSTRUCTIONS FOR DOCUMENT SUBMISSIONS:

DOCUMENTS REQUIRED FOR SUBMISSION OF INTEREST FOR PRE-QUALIFICATION FOR A - EPC/LSTK SERVICES FOR VARIOUS PROJECTS (EXCEPT SULPHATE REMOVAL PROJECT).

The interested parties are requested, as a minimum, to submit the following documents and details:

1. Letter of interest from interested party on their Letter Head.
2. In case of bidding as a consortium, the division of Scope of Work shall be submitted along with Memorandum of Understanding (MOU) on a notarized judicial stamp paper duly signed and stamped by legally authorized signatories of all entities forming the consortium. The consortium partners shall submit the details of work of similar nature and magnitude to support the past track record.
3. Detailed contractor Information with Organization structure, List of manpower with CVs of key personnel, Plant and Machinery list mentioning year of manufacturing, Support agencies and other facilities and resources.
4. Details of similar EPC contracts executed in the last 10 years in the format attached herewith – Refer Annexure-1.
5. List of current ongoing contracts of similar nature under execution in the format attached herewith – Refer Annexure-2
6. Project Execution & Management / Planning & Scheduling methodology
7. Demonstrate Technical and Managerial resource availability including engineering and procurement capabilities along with organogram and resource responsibility
8. Demonstrate Fabrication and Testing capacities & capabilities along with list of testing procedures
9. Details of service centers in India / Asia / Far East to extend prompt after sales support
10. Health Safety and Environment (HSE) policies, HSE Safety Manual / Procedures, HSE Organogram in-line with internationally accepted practices and HSE performance statistics (LTIFR, FAR, MVAFR) for last five (5) years.
11. HSE certification / accreditation / safety award / reward / recognition received & past experience with CIL
12. Quality Manual, Policies and Procedures, Quality organogram in line with internationally accepted practices along with list of quality trained resources and competency matrix
13. Copies of ISO certifications for ISO 9001, ISO 14001, OHSAS 18001, other statutory certification like DGMS, ASME U stamp, API etc.
14. Procedures/ Systems for subcontractors & vendors evaluation and appointment
15. Reference to demonstrate knowledge & capability for similar jobs under Indian Statutory and Regulatory requirements.
16. Details of litigations in last 5 years.
17. Company's financial performance documents (Published Annual Report comprising Audited Balance sheets and Profit and Loss statements , Auditors Report and Notes to Accounts etc.) for last 2 (two) years. Latest audited financial statements should be provided but in no event should be older than 12 months on the date of Expression of interest (EoI).
 - In case of consortium, the financials of the leader of the consortium (in whose name the bid is submitted) shall be submitted. However, consortium partner's financials can also be considered for submission subject to submission of corporate guarantee by such consortium partner as per attached format.
 - If Interested Party has submitted unaudited statements, as there is no requirement in the country of residence, then the financials should be accompanied by a certificate from Certified Accountant. Such Certificate should also mention the fact that there is no requirement of audit of the financials as per local law.

EoI submission shall be complete with the above requested information.

The interested parties should evince interest to participate in the Expression of Interest by clicking on the "Evince Interest" link against the corresponding EoI listing on the Cairn India website and submit their contact details online. Further to this, interested parties would be invited to submit their response via Smart Source (Cairn's e-Sourcing Platform). The interested parties would be requested, as a minimum, to submit the above documents and details for prequalification via Smart Source within twenty one (21) days of date of publication of Expression of Interest.

DOCUMENTS REQUIRED FOR SUBMISSION OF THE INTEREST FOR PRE-QUALIFICATION FOR B - EPC/LSTK SERVICES FOR SULPHATE REMOVAL PROJECT.

The interested parties are requested, as a minimum, to submit the following documents and details:

1. Letter of interest from interested party on their Letter Head.
2. In case of bidding as a consortium, the division of Scope of Work shall be submitted along with Memorandum of Understanding (MOU) on a notarized judicial stamp paper duly signed and stamped by legally authorized signatories of all entities forming the consortium. The consortium partners shall submit the details of work of similar nature and magnitude to support the past track record.
3. Detailed contractor Information with Organization structure, List of manpower with CVs of key personnel, Plant and Machinery list mentioning year of manufacturing, Support agencies and other facilities and resources.
4. Details of similar EPC contracts executed in the last 10 years in the format attached herewith – Refer Annexure-1.
5. List of current ongoing contracts of similar nature under execution in the format attached herewith – Refer Annexure-2
6. Project Execution & Management / Planning & Scheduling methodology
7. Demonstrate Technical and Managerial resource availability including engineering and procurement capabilities along with organogram and resource responsibility
8. Demonstrate Fabrication and Testing capacities & capabilities along with list of testing procedures
9. Details of service centers in India / Asia / Far East to extend prompt after sales support
10. Health Safety and Environment (HSE) policies, HSE Safety Manual / Procedures, HSE Organogram in-line with internationally accepted practices and HSE performance statistics (LTIFR, FAR, MVAFR) for last five (5) years.
11. HSE certification / accreditation / safety award / reward / recognition received & past experience with CIL
12. Quality Manual, Policies and Procedures, Quality organogram in line with internationally accepted practices along with list of quality trained resources and competency matrix
13. Copies of ISO certifications for ISO 9001, ISO 14001, OHSAS 18001, other statutory certification like DGMS, ASME U stamp, API etc.
14. Procedures/ Systems for subcontractors & vendors evaluation and appointment
15. Reference to demonstrate knowledge & capability for similar jobs under Indian Statutory and Regulatory requirements.
16. Details of litigations in last 5 years.
17. Company's financial performance documents (Published Annual Report comprising Audited Balance sheets and Profit and Loss statements , Auditors Report and Notes to Accounts etc.) for last 2 (two) years. Latest audited financial statements should be provided but in no event should be older than 12 months on the date of Expression of interest (EoI).
 - In case of consortium, the financials of the leader of the consortium (in whose name the bid is submitted) shall be submitted. However, consortium partner's financials can also be considered for submission subject to submission of corporate guarantee by consortium partner.
 - If Interested Party has submitted unaudited statements, as there is no requirement in the country of residence, then the financials should be accompanied by a certificate from Certified Accountant. Such Certificate should also mention the fact that there is no requirement of audit of the financials as per local law

EoI submission shall be complete with the above requested information.

The interested parties should evince interest to participate in the Expression of Interest by clicking on the "Evince Interest" link against the corresponding EoI listing on the Cairn India website and submit their contact details online. Further to this, interested parties would be invited to submit their response via Smart Source (Cairn's e-Sourcing Platform). The interested parties would be requested, as a minimum, to submit the above documents and details for prequalification via Smart Source within twenty one (21) days of date of publication of Expression of Interest.

DOCUMENTS REQUIRED FOR SUBMISSION OF THE INTEREST FOR PRE-QUALIFICATION FOR C- EPC/LSTK SERVICES FOR SMALL FIELD PROJECTS.

The interested parties are requested, as a minimum, to submit the following documents and details:

1. Letter of interest from interested party on their Letter Head.
2. In case of bidding as a consortium, the division of Scope of Work shall be submitted along with Memorandum of Understanding (MOU) on a notarized judicial stamp paper duly signed and stamped by legally authorized signatories of all entities forming the consortium. The consortium partners shall submit the details of work of similar nature and magnitude to support the past track record.
3. Detailed contractor Information with Organization structure, List of manpower with CVs of key personnel, Plant and Machinery list mentioning year of manufacturing, Support agencies and other facilities and resources.
4. Details of similar EPC contracts executed in the last 10 years in the format attached herewith – Refer Annexure-1.
5. List of current ongoing contracts of similar nature under execution in the format attached herewith – Refer Annexure-2
6. Project Execution & Management / Planning & Scheduling methodology
7. Demonstrate Technical and Managerial resource availability including engineering and procurement capabilities along with organogram and resource responsibility
8. Demonstrate Fabrication and Testing capacities & capabilities along with list of testing procedures
9. Details of service centers in India / Asia / Far East to extend prompt after sales support
10. Health Safety and Environment (HSE) policies, HSE Safety Manual / Procedures, HSE Organogram in-line with internationally accepted practices and HSE performance statistics (LTIFR, FAR, MVAFR) for last five (5) years.
11. HSE certification / accreditation / safety award / reward / recognition received & past experience with CIL
12. Quality Manual, Policies and Procedures, Quality organogram in line with internationally accepted practices along with list of quality trained resources and competency matrix
13. Copies of ISO certifications for ISO 9001, ISO 14001, OHSAS 18001, other statutory certification like DGMS, ASME U stamp, API etc.
14. Procedures/ Systems for subcontractors & vendors evaluation and appointment
15. Reference to demonstrate knowledge & capability for similar jobs under Indian Statutory and Regulatory requirements.
16. Details of litigations in last 5 years.
17. Company's financial performance documents (Published Annual Report comprising Audited Balance sheets and Profit and Loss statements , Auditors Report and Notes to Accounts etc.) for last 2 (two) years. Latest audited financial statements should be provided but in no event should be older than 12 months on the date of Expression of interest (Eol).
 - In case of consortium, the financials of the leader of the consortium (in whose name the bid is submitted) shall be submitted. However, consortium partner's financials can also be considered for submission subject to submission of corporate guarantee by such consortium partner as per attached format.
 - If Interested Party has submitted unaudited statements, as there is no requirement in the country of residence, then the financials should be accompanied by a certificate from Certified Accountant. Such Certificate should also mention the fact that there is no requirement of audit of the financials as per local law.

EOI submission shall be complete with the above requested information.

The interested parties should evince interest to participate in the Expression of Interest by clicking on the "Evince Interest" link against the corresponding Eol listing on the Cairn India website and submit their contact details online. Further to this, interested parties would be invited to submit their response via Smart Source (Cairn's e-Sourcing Platform). The interested parties would be requested, as a minimum, to submit the above documents and details for prequalification via Smart Source within twenty one (21) days of date of publication of Expression of Interest.

