



GOVT. OF ODISHA

OFFICE OF THE SUPERINTENDING ENGINEER,
HIRAKUD DAM CIRCLE, BURLA

e-mail Id: se.hdc@rediffmail.com Phone 06632430001 Fax 06632430877

EXPRESSION OF INTEREST (EOI) No.01/SE HDC OF 2015-16

The Superintending Engineer, Hirakud Dam Circle, Burla invites Expression of interest from registered interested companies / firms / manufacturers for procurement, erection, installation & commission etc. of the 100 Ton / 25 Ton Gantry crane at desired location of Hirakud Dam, Hirakud, Dist: Sambalpur, Odisha, India. The interested companies / firms / manufacturers are required to submit their EOI with the terms of reference is available at www.dowrorissa.gov.in & www.odisha.gov.in. The interested registered companies / firms / manufacturers may visit the Hirakud Dam Project site, where the Gantry Crane will be commissioned at his own interest before the last date of submission of EOI. The last date of submission of EOI is **30.11.2015**. The authority reserves all the rights to reject any or all the offer(s) or cancel the entire selection process without assigning any reason thereof at any stage of process. _

The Chief Engineer & Basin Manager, Upper Mahanadi Basin, Burla / Superintending Engineer, Hirakud Dam Circle, Burla / Executive Engineer, Main Dam Division, Burla may be contacted during office hours on any working days for any further clarification within **30.11.2015**, 11.00 Hours. Any addendum/ Corrigendum / Cancellation to the above EOI will be published in the above Govt. website.

Sd/-

Superintending Engineer,
Hirakud Dam Circle, Burla



GOVT. OF ODISHA

OFFICE OF THE

SUPERINTENDING ENGINEER,

HIRAKUD DAM CIRCLE, BURLA

e-mail Id: se.hdc@rediffmail.com Phone 06632430001 Fax 06632430877

EXPRESSION OF INTEREST (EOI) No.01/SE HDC OF 2015-16

NAME OF PROJECT : ***PROCUREMENT AND INSTALLATION OF A 100TON/25TON GANTRY CRANE IN HIRAKUD DAM ODISHA, INDIA UNDER DAM REHABILITATION & IMPROVEMENT PROJECT(DRIP) (IBRD LOAN NO. 7943-IN & IDA CREDIT NO 4787 IN).***

PROJECT ID : **ORDRIPW5**

The Superintending Engineer, Hirakud Dam Circle, Burla invites the Expression of interest from registered interested companies / firms / manufacturers for procurement, erection, installation & commission etc. complete at site of the 100 Ton / 25 Ton Gantry crane at desired location of Hirakud Dam, Hirakud, Dist: Sambalpur, Odisha, India.

1. The Government of Odisha is participating in the World Bank assisted Dam Rehabilitation & Improvement Project (DRIP) and intends to procure & install one number of 100ton/25Ton Gantry Crane in Hirakud Dam, Odisha, India.
2. Hirakud Dam Project, authority under DRIP is seeking prequalification responses from the interested companies / firms / manufacturers for Design, supply, erection and Commissioning at site of the Gantry Crane Package including cost estimate for use on the Hirakud Dam, as per the Technical Specification and drawing available with the Project authority of Hirakud Dam Project i.e. Chief

Engineer and Basin Manager, Upper Mahanadi Basin, Burla / Superintending Engineer, Hirakud Dam Circle, Burla / Executive Engineer, Main Dam Division, Burla, Sambalpur, Odisha, India.

3. Interested registered companies/ firms / manufactures may participate for Design, supply, erection and Commissioning of 100T/25T Gantry Crane. Respondents are required to demonstrate their capabilities and experience via a formal response to this EOI/ Prequalification advertisement. Respondents should provide a history of operations in India (or equivalent country).
4. Hirakud Dam Project, authority under DRIP supports providing opportunities to the eligible suppliers, manufacturers, companies and individuals, on a commercially competitive basis. Pre-qualified companies will be required to qualify for supply of the gantry crane at the Bid stage. Project Authority of Hirakud Dam Project, under DRIP also encourages the participation of members of designated groups and corporations or cooperatives owned by them, in the supply of goods and Services.
5. Please provide one (1) original and one (1) copy of your formal response before **30.11.2015** to the address as given below:

Superintending Engineer
Hirakud Dam Circle, Burla
Sambalpur, Odisha, India.

Attn :Er. R.K. Panda.
Email: se.hdc@rediffmail.com
Mob : (+91) 9438792671
Tel: (0663) 2430001.

6. **Background**
The Hirakud Dam Project is located at 15 Km from Sambalpur City and 2 Km from Burla Town in the State of Odisha, India. The main dam is 4800m long. It is a combination of concrete gravity; masonry and zoned earth fill section. Length of concrete and masonry dam is 1148.50m and length of earth dam is 3651.50m. The dam is flanked by two earthen dykes. The left dyke is 9837m long in 5 stretches and the right dyke is 10759m long in one stretch. The spillways on either side are solid gravity type with ogee crest. The right and left spillway consists of 24 and 40 numbers of under-sluices of size 3.658m x 6.08m each respectively. Besides this, there are radial crest gates of 13 nos. on right spillway and 21 nos. on left spillway of size 15.54m x 6.10m each. To operate, repair and maintenance of the gates another Gantry Crane of 100T/25T capacity will be procured under DRIP and mounted on the existing rail on the Dam top.

7. General Requirements

The selected company will be required to Design, supply, erection and Commissioning at site the equipment in compliance with project Authority, Hirakud Dam Project. The bidder should be a manufacturer who must have designed, manufactured, tested and supplied the equipment (s) similar to the type specified in the schedule of requirements up to at least 80 % of the capacity required in any one of the last 3 years. The equipments offered for supply must be of the most recent series models incorporating the latest improvements in design. Vendors are also required to provide the detailed cost estimate for the total package at prequalification stage.

8. Scope of Work

- i) (A) The Outdoor Travelling Type cantilever Gantry crane shall have **minimum** main hoist of capacity 100 Ton & auxiliary hoist of 25Ton capacity. The Gantry crane shall be used to lower & raise the sluice emergency gates on the u/s face of the Dam. The sluice gates shall be stored in the slots provided on the bridge. The rope drum hoists (Main hoist – 100T & auxiliary hoist – 25T), shall be mounted on a trolley at the top of the Crane Structure. The operation of the crane shall be completely electrical. The power supply shall be 3 (Three) phase A.C. 415v + or 10%, supply frequency 50 Hz \pm 3%. The power supply shall be made available from the plug receptacles located at suitable intervals along with the crane runway. To facilitate a better control of the crane, an operator's cabin shall be provided with the crane. All controls required for the electrical equipment on the crane shall be provided in the operator's cabin along with control panel having indicating lights for various operations. The crane should be made to stop at the centre of each span of the gate with the help of limit switches provided all along the travel. The 25T auxiliary hoists shall be used to remove the deck slab of the Bridge to lift the Emergency gate which is stored below the deck slab.
- i) (B) A lifting beam of 100T capacity with automatic latching and de-latching system shall be supplied along with the gantry crane. The design of lifting beam shall conform to IS13591.
- ii) The Gantry crane shall be designed as per the Technical specifications to be provided by the Superintending Engineer, Hirakud Dam Circle, Burla .The general arrangement shall be in accordance with the specification and drawings. The specification and drawings may be made

available in the Office of the Superintending Engineer, Hirakud Dam Circle, Burla / Executive Engineer, Main Dam Division, Burla

- iii) The crane shall be manufactured in accordance with Class –M5 of IS: 3177 – 1999 (Class – 2 as per IS: 807)
- iv) Vendor shall furnish all required materials (except rail supporting steel). Shop testing is required.
- v) The design of gantry crane must comply with IS : 3177, IS : 807 & other relevant Indian Standard codes.
- vi) Compliance with Hirakud Dam Project, authority under DRIP specifications and requirements, except for mutually agreed deviations also responsible for ensuring that Sub-vendors are capable of meeting all requirements and that they are supplied with the correct technical documentation and all relevant sections of the Purchase Order and all subsequent approved revisions of the relevant sections of the Requisition document.
- vii) Compliance with supplier / packager / manufacturer blueprints, drawings and specifications for all components that comprise the Gantry Crane Package, thus ensuring that form, fit and function for interchangeable components, systems and sub-systems are not adversely affected.
- viii) Submission of a comprehensive monthly progress report and critical path schedules detailing all items in the critical path and their progress for each month as well as participation in a monthly status conference call.
- ix) Participation in at least one clarification meeting prior to award at the Client's facility, a kickoff meeting after award at the packager's facility, also participation in a pre-commissioning meeting, as well as assistance in installation, pre-commissioning, commissioning, start-up and site acceptance tests.
- x) Submission of detailed design and drawings, process & instrumentation drawings, electrical drawings, cable schedules, cause & effect diagrams, inspection and test plans, weld

procedures and other documents required to fully define and characterize the equipment being supplied and to enable Hirakud Dam Project to inspect and maintain the equipment.

- xi) After drawings that have received final design approval for fabrication, the supplier shall then provide an as-shipped set of drawings to characterize the actual configuration of each package as it left the factory, an as-installed set of drawings to characterize the actual configuration of each package as it was installed and pre-commissioned in the topsides fabrication yard, and an as-built set of drawings to depict the actual configuration of each package after offshore commissioning.
- xii) The supply of all electric motors, generators, instrumentation, electrical components, and electrical systems shall be in accordance with Technical specification.
- xiii) The supply of all special tools, spares as defined in the purchase order shall be made.
- xiv) The application of all necessary resources to meet agreed equipment delivery dates, especially after schedule slippages, parts scrapping and other unanticipated schedule impacts shall be made.
- xv) Export boxing and long-term preservation for all equipment.
- xvi) Operator training

9. Schedule:

It is anticipated that the Request for Proposal (RFP) will be issued to short listed companies / firms / manufacturers within 4-6 weeks in accordance with the procedures set out in the World Bank's Guidelines:, (**Selection and Procurement of Goods and Equipments**), with a planned award date 1stQuarter 2016 followed by the required on Site (ROS) delivery for Gantry Crane Package.

10. Submission and Registration Requirements:

Hirakud Dam Project, authority under DRIP is committed for providing a safe, healthy and environmentally sound workplace for its employees, contractor and sub-contractors. Interested companies must meet, at a minimum, all requirements of Hirakud Dam Project, under DRIP commitment.

11. Further clarification & Requirements:

Further clarification & Requirements may obtain at the address mentioned below up to 30.11.2015 (, 11.00 hours) in all working days.

Er. R.K.Panda,
Superintending Engineer,
Hirakud Dam Circle,
Sambalpur, Odisha, India.
email : se.hdc@rediffmail.com
Mob : (+91) 9438792671
Tel: (0663) 2430001.

Er. Y.Parida,
Executive Engineer
Main Dam Division, Burla
Sambalpur, Odisha, India.
Mob : (+91) 9437392745
Tel: (0663) 2430292.

12. Interested companies / firms / manufacturers fulfilling the minimum criteria must provide complete information with supporting documents with EOI in respect of the followings.
(i) Complete organization details indicating name, address, telephone/fax number & E-mail address.
(ii) Registration certificate of organization, latest Income Tax, PAN, Service Tax Registration Certificate as applicable.
(iii) Details of similar equipments, manufactured/ Installed etc.
12. The companies / firms / manufacturers is to be furnished with EOI, an affidavit in stamp paper signed by a Govt. Notary about the authenticity of the documents furnished.
13. EOI must be delivered in sealed cover superscribed "EOI for procurement, erection, installation & commission of 100 Ton / 25 Ton Gantry Crane at site on Hirakud Dam Project addressed to the **Superintending Engineer, Hirakud Dam Circle, Burla** on or before dt. **30.11.2015**, 17.00 Hours by Registered Post / by hand. Postal delay in delivery will not be considered if received on later date of **30.11.2015**.
14. The tentative time of completion of entire process for procurement, erection, installation & commission of 100 Ton / 25 Gantry Crane at site on Hirakud Dam Project should be within one year from the date of work order.
15. The EOI shall be opened on date **02.12.2015** at **11.30 AM** in the Office of the Superintending Engineer, Hirakud Dam Circle, Burla ,Odisha, Pin-768017 in the presence of Consultants or their authorized representative who wish to attend.
16. Eoi received without required documents will be rejected.
17. The Eoi notification is available on Govt. website www.odisha.gov.in & www.dowrorissa.gov.in
18. The authority reserves all the rights to reject any or all the offer(s) or cancel the entire selection process without assigning any reason thereof at any stage of process. _

Sd/-
Superintending Engineer,
Hirakud Dam Circle, Burla