

Detail of Expression of Interest (EOI)

Date: 10.08.2017

Numaligarh Refinery Limited is having 3MMTPA Crude oil processing capacity and is proposing to install Pipe conveyor system for transporting RPC from DCU coke yard to CCU feed hopper and from CCU to CPC bagging house at NRL site, Numaligarh.

Through this EOI, NRL intends to gather techno-commercial information on the proposed retrofitting of existing belt conveyor system with pipe conveyor system for the aforesaid location from technically competent and financially sound agencies for subsequent detailed tendering for successful design, installation/retrofitting and commissioning of the coke shifting pipe conveyor system in place of the existing belt conveyor system with integration of its control system with the existing DCS in CCU.

1.0 GENERAL INFORMATION:

1.1 Project Information:

Presently NRL is having belt conveyor system for shifting of RPC from the DCU coke yard to the CCU feed hopper and from the CCU to Calcined Petroleum Coke (CPC) bagging house. This system of coke transport leads to coke (both RPC and CPC) spillage. NRL intends to replace these with efficient pipe conveyor system. The primary function of the "Pipe conveyor system" shall be to ensure seamless and efficient coke transport at the rate upto 20 T/hr having 50% turn down ratio of CCU design capacity with nil coke spillage. It would be bidders' responsibility to establish complete integrity of entire pipe conveyor system with automatic feeding at origin and delivery of coke at designated location such as CCU feed hopper. The conveyor system should be equipped with variable frequency drive. One year post warranty or post commissioning maintenance whichever is later, will also be in the bidder's scope.

1.2 Site address of the project :

- **Numaligarh Refinery Limited**
P.O.: Numaligarh Refinery Project
Dist.: Golaghat, Assam, India
PIN- 785699
- **Contact Officer**
Mr. Dulal Saikia; Ph 9435504037
Email: dulal.saikia@nrl.co.in

The nearest railway station is Furkating, Golaghat and the nearest Airport is at Jorhat. The Refinery is also well connected by road transport and is located near the national high way 39.

The applicant is advised to visit the sites of work at his own cost and examine it and its surroundings and collect all information that he considers necessary for proper assessment of prospective assignment.

2.0 SCOPE OF WORK:

The scope of the bidder is to supply complete pipe conveyor system and retrofitting the present conveyor belt system with pipe conveyor system, along with supply of electrical/mechanical subsystems, PLC/control system and accessories for integration with existing DCS, signal cables, power cable, conveyor on/off facility in both the field & DCS control room, desired indications in field & control room, one year minimum spares etc and any other items necessary for Erection, testing and commissioning of entire system and establishing the system integrity. One year uninterrupted running after successful commissioning will in the bidder scope. The variable frequency drive will be part of the project.

3.0 ELIGIBILITY CRITERIA FOR PARTICIPATION IN THE EOI:

3.1 WORK EXPERIENCE: The bidder shall be experienced in erection/ commissioning / Maintenance of pipe conveyor system/unit within India.

3.2 ESTABLISHED BIDDER: Bidder should have a maintenance establishment in India. Bidder to furnish documentary evidence indicating the infrastructure and facilities available at its Indian setup to provide service support in the post commissioning period.

4.0 SUBMISSION OF EOI:

Expression of Interest should be submitted by interested parties as per the prescribed scheduled time at the prescribed address. EOI discussion will be held at NRL site, Numaligarh within 15 (fifteen) days from last date of submission of EOI.

- EOI shall be submitted at the following address:

C/O: Mr. Dulal Saikia,
Sr. MANAGER (MECH MAINTN),
Numaligarh Refinery Limited
P.O.: Numaligarh Refinery Project
Dist.: Golaghat, Assam, India
PIN- 785699

- Place of EOI discussion:

Numaligarh Refinery Limited
P.O.: Numaligarh Refinery Project
Dist.: Golaghat, Assam, India
PIN- 785699

4.1 A detailed technical presentation is to be made to the client at Numaligarh by the agency at their own cost.

4.2 Scope of the EOI discussion:

- Technical presentation & discussion regarding design concept, process, operation & maintenance aspects etc.
- Retrofitting of the present conveyor system with the pipe conveyor system in least unit down time with latest safety features.
- Delivery period.
- Project completion time.

- Long term maintenance & service in the post commissioning period.
- Any other points that may arise.

4.3 EOI to be submitted along with the following documents:

- i. Detailed Information on the proposed system.
- ii. Details of similar work done in the past 5 years.
- iii. Details of projects in hand/ concurrent commitments.
- iv. Annual turnover in last three years.

5.0 INFORMATION TO BIDDERS:

5.1 EXISTING SYSTEM OPERATION:

Raw Petroleum Coke (RPC) from the coke yard of DCU, is fed to the hopper of belt conveyor by Grab crane or Excavator. Coke is carried to storage called Silo with help of another belt conveyor. On the way to Silo big lumps of coke are crushed to make into required size (<65mm) in Toothed Double Roller Crusher, any metallic piece coming with RPC is picked up by a hanging Electro-Magnet over the belt conveyor before going to crusher. There are 2 Silos, each of capacity 257 MT (383 m³). RPC from Silo is fed to the kiln by Weigh-Feeder Belts which regulates the feed rate to the Feed belt conveyor. Belt conveyor is also in use for shifting CPC to Bunkers for storage and for bagging.

6.0 Reservation of right to accept bids: Mere participation in the EOI does not guarantee for acceptance of the offer. Decision of NRL shall be binding and final and shall be without any notice.
