

## EXPRESSION OF INTEREST (EOI) FOR MOVEMENT OF 3 MMT OF IMPORTED COAL PER ANNUM THROUGH WATERWAYS TO NTPC PLANT LOCATED AT BARH IN BIHAR

Inland Waterways Authority of India (IWAI) for and on behalf of NTPC invites “**Expression of Interest**” for movement of 3 MMT of imported coal per annum for a period of 7 to 10 years (the “**Project**”) through waterways to NTPC Plant located at Barh in Bihar from Indian and overseas companies which are engaged in the business of barge operation, bulk cargo trans-loading operations, ship operation, stevedoring operation, Cargo terminal operation, logistic operation, infrastructure development and/or sea/inland water port (harbor) operations (‘Relevant Sector’).

### I. Objective

The objective of this EOI is to seek interest from prospective Operator(s) in the project and understand their views and suggestions in respect of the project.

### II. Project Background

#### (1) Capacity of Barh Power Plant

NTPC is developing a Super Thermal Power Plant at Barh in Bihar with a total capacity of 3300 MW [(3x 660 MW) + (2x 660 MW)]. The power plant is under construction and first unit is expected to be commenced by mid2013.

#### (2) Location of Barh Power Plant

Barh super Thermal Power Plant (Barh STPP) is located in the Patna District of Bihar at latitude of 25 deg 29’ 10’’ North and longitude 85 deg 45’ 40’’ East. It is 47 metres (154 ft) above mean sea level. The site is approximately 4 kms from Barh town and is approachable via the Patna – Mokama National Highway. The nearest railway station is Barh, on the Patna – Howrah section of main trunk route and is approximately 3.0 kms from the project site. Patna, which is approximately 60Km by road, 63 Km by rail and 64Km by waterway from the site, is the nearest commercial airport. The site is located by the side of the river Ganga.

#### (3) Coal Requirement

The total coal requirement of the power plant is estimated to be around 16 MMTPA, of which NTPC intends to import around 3 MMTPA & desirous to move the imported coal through waterways and looking for the waterway based logistic solution which is competitive to railway mode.

### III. Scope of work

Formulate and implement a detailed plan in accordance with which

- (1) Coal would be unloaded and transferred from ocean going vessels (Panamax / Capesize) to river sea vessel at locations that are identified as being suitable for such unloading from the ocean going vessels to river sea vessel by the Operator referred to as Transfer point.
- (2) Design and implement a suitable mechanism to be used at the Transfer Point for the unloading and transferring the coal from ocean going vessel to river sea vessels (“Transshipment Infrastructure”)
- (3) Provide adequate number of river sea vessels of suitable specifications to meet movement schedule of imported coal.
- (4) Design, construct, finance, operate and maintain conveyor system which will be approximately 3.5 kms from Jetty to coal stack yard of NTPC Barh and Unloading Infrastructure on the waterfront near Barh power plant, that would unload coal from the river sea vessels and place it on the conveyor belt System (conveyor) for onward delivery of coal to

coal stack yard of Barh Power plant. The unloading infrastructure and conveyor belt system will be transferred to NTPC at Re 1/- at the end of the contract period.

The conveyor will negotiate NH no 31 at one place, power cables at two places and a small water body at one place to reach the stack yard.

- (5) Bear and pay all cost, taxes, expenses and charges in connection with or incidental to the performance of the obligations under this Agreement;
- (6) Comply with all applicable laws and obtain all applicable permits and approval in all material respects during the tenure of contract period.
- (7) Procure necessary land required for construction of jetty and material handling system at Barh from waterway to NTPC plant limits.

#### **IV. Obligation of NTPC**

- (1) Enter into tripartite agreement with IWAI and Operator for a period of 7 to 10 years excluding the construction period and time for procurement of land, which will be around three years and provide commitment of 3 MMTPA of imported coal.
- (2) NTPC through their Imported Coal Supplier shall ensure delivery of coal at Transfer Point on Fairly Evenly Spread (FES) basis

#### **V. Obligation of IWAI**

- (1) Enter into the Tripartite Agreement with NTPC and Operator
- (2) Provide assurance of 2.5 m Least Available Depth with a minimum width of channel of 45 m from Haldia to Barh for 300 days in a year.
- (3) Provide facilities for 24 hrs operation of river sea vessel, markings and other navigational aids such as DGPS.
- (4) Ensure smooth functioning of lock gate at Farakka over the project period, in close co-ordination with Farakka Barrage Project.
- (5) Facilitation in clearances from Kolkata Port Trust (KoPT).

#### **VI. WHAT TO SUBMIT**

The interested organizations are requested to submit their suggested logistic solution comprising of the following:

##### **(1) Suggested Logistic solution**

##### **(a) Transshipment mode & infrastructure**

- (i) Preferred place for vessel call i.e. Port or Midstream Transshipment
- (ii) In case of Midstream Transshipment

- A. Preferred method of transshipment and its technical specification.
- B. The preferred midstream location(s) for transshipment.
- C. Estimated cost for the creation of midstream transshipment infrastructure
- D. Lead time for the creation of the said infrastructure

##### **(b) River sea vessels**

Specification, types, capacity and number of river sea vessels proposed to be deployed for the project.

##### **(c) Unloading Infrastructure**

- (i) Specification of berthing facility at Barh to enable unloading of coal from river sea vessels and delivery of coal to coal stack yard of power plant.

##### **(ii) Handling System**

Handling System at Barh will include, Material Handling Equipment and conveyor system with suitable weighing mechanism for smooth unloading and delivery of coal from the berthing facility to the coal stack yard of power plant.

**(d) Any other information which applicants feel relevant for the project**

- VII.** Parties are encouraged to visit Barh power plant.
- VIII.** Parties may note this is not part of bidding process and mere submission of EOI and/or submission of additional information do not automatically entitle them to claim for qualification and/or any other right in any way. IWAI reserves the right to seek additional information from Prospective Parties who respond to this EOI including detailed presentation of their concept plan subsequent to submission of EOI.
- IX.** IWAI reserves the right, solely at its discretion to modify or issue another EOI at a later date without assigning any reason whatsoever.
- X.** The interested organisations in addition, may be required to make a presentation about their proposals before NTPC, IWAI & other stakeholders, if any.
- XI.** HOW TO SUBMIT

The interested organizations are requested to submit their proposal furnishing the above details latest by 15.00 hrs on 20.11.2012 in an envelope duly super scribed **“EXPRESSION OF INTEREST FOR MOVEMENT OF 3 MN MT OF IMPORTED COAL THROUGH WATERWAY TO NTPC PLANT LOCATED AT BARH IN BIHAR”** and addressed to:

**Director (Traffic),  
Inland Waterways Authority of India,  
A-13, Sector-1,  
Noida -201301 (Uttar Pradesh)**