



No.: HQ/EL/PPF/1

Request for Expression of Interest

India

Dedicated Freight Corridor Project

Consultancy Services for Green House Gas Emission Reduction Analysis for Dedicated Freight Corridor

Loan No - (Yet to be allocated)

1. This Request for Expressions of Interest follows the general procurement notice for this project that appeared in *Development Business* issue of 13 February 2009.
2. *Government of India has applied for a loan from the International Bank for Reconstruction and Development and intends to apply part of the proceeds of this loan to payments under the contract for **Engagement of Consultant for Green House Gas Emission Reduction Analysis for Dedicated Freight Corridor Project.***
- 3 Indian Railways (IR) is proposing to develop Dedicated Freight Corridors (DFC), connecting four metros of Delhi, Mumbai, Kolkata and Chennai. Dedicated Freight Corridor Corporation of India Ltd (DFCC) has been entrusted with the responsibility for the construction and operation of the DFC. Development of the DFCs is expected to cater to the growing freight demand and promote modal shifts of freight from road transport to the rail network.

The implementation of the Dedicated Freight Corridor Project will bring about two major impacts on freight transport- (i) shift of freight from truck/road to more energy efficient rail transport and (ii) improvement in the energy efficiency of rail transport itself. These impacts are expected to reduce CO₂ emissions from the transport sector in general (by freeing capacity to improve the efficiency of passenger operations) and freight transport in particular by introducing more efficient rail freight transport technologies. In addition, since the DFC corridor is being developed exclusively for freight operation, it offers opportunities for appropriate modification in the design of various components and systems of the corridor, which could reduce GHG emissions from its operations.

The objectives of the study under these services hence would comprise the following:

- Study and establish the base line GHG emission patterns from the freight movements on the planned DFC corridor and project the emissions over a 30 year project life .
- Assess the GHG emissions savings from the construction and operations of the DFC as compared with the baseline using standard technologies and systems.

- Identify specific measures/interventions required during design, construction and operation of DFC to achieve additional GHG emission reductions and assess their technical and financial viability.
- In Phase II of the study, develop CDM methodologies for two eligible activities (Electrification of DFC and 3-phase IGBT Technology for Electrical Locomotives.)

Consultant's Organization: The consultant is expected to have necessary expertise and experience in transport sector preferably in railways / freight transport, formulation of GHG emission reduction strategies / carbon foot printing studies and CDM procedures particularly in the preparation of baseline and monitoring methodologies.

Duration of Consultancy Services: The study is to be carried out in two phases over a period of 12 months time.

4. The *Dedicated Freight Corridor Corporation of India Limited (DFCC)*, a Government of India Enterprise, now invites eligible consultants to indicate their interest in providing the Services. Interested consultants must provide information indicating that they are qualified to perform the Services (brochures, description of similar assignments, experience in similar conditions, availability of appropriate skills among staff, etc.). Consultants may associate to enhance their qualifications. *[The "Association" may take the form of a joint venture (with joint and several liability) or of a sub-consultancy]. The consultants shall indicate the details and nature of association in the EOI.*
5. A consultant will be selected in accordance with the procedures set out in the World Bank's Guidelines: *Selection and Employment of Consultants by World Bank Borrowers May 2004 [Revised October 2006].*

Interested firms are informed that all documents, including the Request for Proposals, the Proposal and consultant's contract for the proposed assignment will be issued in English, and contract price and corresponding payments will be in Indian Rupees.

6. Interested Consultants may obtain further information at the address given below from 10:00 hrs. to 17:00 hrs on any working day from Monday to Friday.
7. Expression of interest must be delivered to the address below no later than 14th April, 2009.

Dedicated Freight Corridor Corporation of India Limited

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