

Government of Nepal  
Ministry Of Physical Planning and Works  
Department of Railways  
**Railway and Metro Development Project**  
Kathmandu

Expression of Interest (EOI) Document  
For  
Consultancy Services for the Detail Survey and Design of  
Electrified Railway Line for  
Butwal – Lamahi Sector of Mechi- Mahakali Railway  
(Package I)

January, 2012

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## I. Notice Inviting Expression of Interest

Government of Nepal  
Ministry of Physical Planning and Works  
Department of Railways  
**Railway and Metro Development Project**  
Kathmandu

Notice No.: 02/068/069

First Date of Publication: 5, January 2012

**Invites Expression of Interest (EOI) for Consultancy Services for the Detail Survey and Design of Butwal – Lamahi; Lamahi – Kohalpur – Nepalgunj; Kohalpur – Sukkhad and Sukkhad – Gaddachowki Electrified Railway Line**

- 1 In order to meet the growing passenger and freight transport demand, Government of Nepal has long felt the necessity of development of railway as an alternative land transport mode for faster and cheaper movement of freight and passenger traffic. In pursuance to the objective, GoN through consultants has completed the feasibility study for constructing proposed new Railway lines in Nepal which include Mechi- Mahakali Railway (945 km), Pokhara –Kathmandu railway including its connection to Mechi- Mahakali railway (259 km) and six connection links from Mechi- Mahakali Railway to Indian Railway network totaling approximately 113 km. The feasibility study has recommended Broad gauge (1676 mm) Railway system capable of handling an axle load of 25t for bridges and 22.9t for track.
- 2 Ministry of Physical Planning and Works, Government of Nepal now plans to initiate construction of an Electrified Railway Line from Butwal to Gaddachowki (406 km), a section of the proposed Mechi- Mahakali Railway and Kohalpur-Nepalgunj link (14 km) in four packages and has allocated budget for the Detail Design of the projects.
  - Package I:** Detail Survey and Design of Electrified Railway Line for Butwal – Lamahi (115 km)
  - Package II:** Detail Survey and Design of Electrified Railway Line for Lamahi– Kohalpur (102 km) & Kohalpur – Nepalgunj link (14 km)
  - Package III:** Detail Survey and Design of Electrified Railway Line for Kohalpur – Sukkhad (95 km)
  - Package IV:** Detail Survey and Design of Electrified Railway Line for Sukkhad – Gaddachowki (94 km)
- 3 The objective of the assignment shall be to prepare Detail Design, Cost Estimate and Bid Documents of the project for the construction of proposed Electrical Railway Line based on the Feasibility Study and findings of additional studies/ investigations conducted during the detail design work. The duration of the consultant’s services for each package is estimated to be twelve (12) months.
- 4 Expected date of commencement of the assignment is August 2012.
- 5 Department of Railways on behalf of Ministry of Physical Planning and Works, Government of Nepal, 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. Consultants may associate to enhance their qualifications and are encouraged to make association with the local Nepalese Consultants.
- 6 Consultants will be selected in accordance with the procedures set out in the Procurement Act 2063 (2007) and Procurement Rules 2064 (2007).
- 7 The Consultant and its team shall possess significant knowledge and proven experience in the planning and design of electrical Railway systems, their operations and technical documentation necessary for their operations, and implementation. In order to determine the capability and experience of the consulting firms seeking to be short listed, the information submitted should include the following for each package separately:
  - Company profile, organization
  - Annual turnover for consecutive five years ending 2011.
  - Details of experience of similar assignments undertaken in the previous five years,

- Details of work experience of working in similar geographic region/country,
  - Information regarding related professional staff and their field of expertise.
- 8 The EOI document should be collected from the following address free of cost. The document may also be downloaded for the reference purposes from [www.moppw.gov.np](http://www.moppw.gov.np). Interested consultants may obtain further information at the address below during office hours (10:00 to 16:00 local time).
  - 9 Expressions of interest must be delivered to the address below by 14:00 hours local time on or before the 31<sup>st</sup> day from the date of first publication of this notice. If the last date of submission of EOI happens to be a public holiday, the next working day shall be considered as the last date of submission. The EOI submitted shall be opened at 13:00 hours on the next working day in the presence of representatives of Department of Railways and representatives of consulting firms.
  - 10 Only short listed consultants will be invited to submit Technical and Financial proposal.

**Department of Railways, Ram Mandir Marg, Battisputali, Kathmandu, Nepal**  
**Tel. No.: 977-1-4492918; Fax No: 977-1-4492919**

## II. Instructions for submission of Expression of Interest

1. Expression of Interest may be submitted by a firm or in association with other firms in the form of joint venture or sub-consultant, which should be clearly mentioned.
2. Expression of Interest should contain following information:
  - (i) A covering letter addressed to the Director General, Department of Railways on the official letter head of company duly signed by authorized signatory
  - (ii) Applicants shall provide the following information in the respective formats given in the EOI document:
    - Details of the Applicant as per format (Annex-1)
    - Annual Turnover detail of the Applicant from consultancy services assignments for the consecutive 5 years ending 2011 as per format (Annex-2)
    - Details of similar assignments undertaken in the previous five years (Annex-3,4 & 5)
    - Details of work experience of working in similar geographic region/country (Annex-6)
    - Details of related professional staff and their field of expertise (Annex-7)

If EOI is submitted by the association of two or more firms then the above information except 'Annual Turnover' should be provided in respective formats by each member of the associated firms and the name of the lead firm should be mentioned. Annual Turnover of only the lead firm shall be provided.

- (iii) Applicants may submit additional information with their application but short listing will be based primarily on the evaluation of information requested and included in the formats provided in the EOI document.
- (iv) International Consultants (Applicant) shall nominate a local agent to represent them and the information regarding the name and address of the local agent should be provided in the EOI document.
- (v) Interested consulting firms should collect the EOI document from the Project Office from January 5, 2012. For reference purpose, this document can also be viewed at [www.moppw.gov.np](http://www.moppw.gov.np)
- (vi) The Expression of Interest (EOI) document must be duly completed and submitted at the following address in sealed envelope clearly marking as
  - "EOI Application for Short-listing for the Detail Survey and Design of Electrified Railway Line for Butwal – Lamahi sector of Mechi – Mahakali Railway : (Package I)"

The envelope shall also clearly indicate the name and address of the Applicant.

- (vii) The completed EOI Document must be submitted on or before the date and time mentioned in the "Invitation notice" at the following address. In case the last date of submission falls on public holiday, the submission can be made on the next working day. Any EOI Document received after the closing time for submission of proposals shall not be considered for evaluation.

**Railway and Metro Development Project,  
Department of Railways,  
Ram Mandir Marg, Battisputali, Kathmandu, Nepal  
Tel. No.: 977-1-4492918, Fax No.: 977-1-14492919**

### III. Objective of Consultancy Services

The objective of the assignment shall be to prepare Detail Design, Cost Estimate and Bid Documents of the project for the construction of proposed Electrical Railway Line based on the Feasibility Study and findings of additional studies/ investigations conducted during the detail design work. The duration of consultant's services is estimated to be twelve (12) months.

- Quick Review of the findings of feasibility study and confirm suitability of the recommended alignment, track system, signaling, train control & communication system, Electrical traction system, Rolling stocks and other design specifications,
- Conduct detailed Engineering Survey along the selected alignment including topographical surveys, soil investigation, geological & geotechnical survey, Hydrological & Morphological Survey etc.,
- Conduct Detailed Engineering Design and drawing of all infrastructures including formation, railway tracks, electrical traction system, power supply system, signaling and telecom, tunnel, bridges, culverts, ROB, RUB, level crossing gates, approach road to Mahendra Highway, station building, station platforms, office & service buildings, residential quarters, sheds & workshops, and other required miscellaneous structures and facilities for operation of the railway,
- Conduct detailed Environmental Impact Assessment (EIA) due to the Railway and preparation of Environment Management Plan (EMP) for getting requisite approval of the GoN,
- Conduct Social Impact Assessment (SIA) including Socio-economic and land market survey to establish a resettlement/relocation cost,
- Prepare cost estimates for the complete railway infrastructure and systems including track, drainage system including bridges, tunnels and other structures, power supply arrangement, overhead electrical lines, rolling stock, signaling and telecommunication, stations etc,
- Recommend contract packaging and prepare Tender Documents for Construction and operation of the railway on the basis of detail design drawings and the recommended systems,
- Preparation project implementation and operation plan,

## IV.EOI Formats

- (i) Applicant's information (Annex-1)
- (ii) Audited Annual Turnover from consultancy services (Annex-2)
- (iii) Detail Survey and Design Assignment Experience (Annex-3)
- (iv) Railway Bridge assignment Experience (Annex-4)
- (v) Railway Tunneling assignment Experience (Annex-5)
- (vi) Experience in similar geographic region or country(Annex-6)
- (vii) Professional Staff Information (Annex-7)

**Details of Company submitting EOI**

**(In case of the association of two or more firms in the form of joint venture or sub-consultant, to be filled separately for each constituent member)**

1. Name of Firm/Company:
2. Type of Constitution  
(Partnership/ Pvt Ltd/Public Ltd/ Public Sector/Joint Venture):
3. Date of Incorporation / Commencement of Business (Please specify):
4. Place of Incorporation:
5. Details of Services Provided:
6. Registered Office/Place of Business:
7. Telephone No:
8. Fax No:
9. E-Mail Address :
10. Name of Authorized Contact Person / Designation/ Address/Telephone:
11. Name of Authorized Local Agent /Address/Telephone:
12. Consultant's Organization:

(Provide Company Profile with description of the background and organization of the Consultant and, if applicable, for each joint venture partner for this assignment.)

**Applicants Audited Annual Turnover from Consulting Services Assignments**

(Information of individual applicant or Lead Partner of association in the form of JV or sub-consultant to be provided)

<b>Fiscal Year</b>	<b>Annual Turnover in US \$ or Euro</b>
2010/11	
2009/10	
2008/09	
2007/08	
2006/07	
<b>Total</b>	

**Details of Detail survey and Design works undertaken in the previous five years**

(In case of the association of two or more firms in the form of joint venture or sub-consultant, to be filled separately for each constituent member)

Assignment name:	Approx. value of the contract (in current US\$ or Euro):
Country: Location within country:	Duration of assignment (months):
Name of Client:	Total No. of person-months of the assignment:
Address:	Approx. value of the services provided by your firm under the contract (in current US\$ or Euro):
Start date (month/year): Completion date (month/year):	No of professional person-months provided by the joint venture partners or the Sub-Consultants:
Name of joint venture partner or sub-Consultants, if any:	Name of senior regular full-time employees of your firm involved and functions performed (indicate most significant profiles such as Project Director/Coordinator, Team Leader):
Narrative description of Project: <b>Note: Description should also Include the length of the Railway.</b>	
Description of actual services provided in the assignment: <b>Note: Description should also Include the length of the Railway and also the Project Cost of actual services provided.</b>	

Firm's Name: \_\_\_\_\_

**Railway Bridge Design assignments undertaken in the previous five years**

(In case of the association of two or more firms in the form of joint venture or sub-consultant, to be filled separately for each constituent member)

Assignment name:	Approx. value of the contract (in current US\$ or Euro):
Country: Location within country:	Duration of assignment (months):
Name of Client:	Total No. of person-months of the assignment:
Address:	Approx. value of the services provided by your firm under the contract (in current US\$ or Euro):
Start date (month/year): Completion date (month/year):	No of professional person-months provided by the joint venture partners or the Sub-Consultants:
Name of joint venture partner or sub-Consultants, if any:	Name of senior regular full-time employees of your firm involved and functions performed (indicate most significant profiles such as Project Director/Coordinator, Team Leader):
Narrative description of Project: <b>Note: Description should also include the span and total length of the bridge</b>	
Description of actual services provided in the assignment: <b>Note: Description should also include the actual services provided regarding bridge design</b>	

Firm's Name: \_

**Railway Tunnel assignments undertaken in the previous five years**

(In case of the association of two or more firms in the form of joint venture or sub-consultant, to be filled separately for each constituent member)

Assignment name:	Approx. value of the contract (in current US\$ or Euro):
Country: Location within country:	Duration of assignment (months):
Name of Client:	Total No. of person-months of the assignment:
Address:	Approx. value of the services provided by your firm under the contract (in current US\$ or Euro):
Start date (month/year): Completion date (month/year):	No of professional person-months provided by the joint venture partners or the Sub-Consultants:
Name of joint venture partner or sub-Consultants, if any:	Name of senior regular full-time employees of your firm involved and functions performed (indicate most significant profiles such as Project Director/Coordinator, Team Leader):
Narrative description of Project: <b>Note: Description should also include the total length of the tunnel</b>	
Description of actual services provided in the assignment: <b>Note: Description should also include actual services provided regarding tunnel design</b>	

Firm's Name: \_

**Experience of working in similar geographic region or country**

(In case of the association of two or more firms in the form of joint venture or sub-consultant, to be filled separately for each constituent member)

<b>Sr. No</b>	<b>Name of the Project</b>	<b>Location (Country/ Region)</b>	<b>Execution Year and Duration</b>

**Note: Geographical experience need not be limited to Railway Assignments**

