



BERHAMPUR MUNICIPAL CORPORATION

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No. 11291 /E.1-III/37/13 (Part-II)

Dt. 29.10.2014

Request for Expression of Interest (REoI)

For

Consultancy services for “Preparation of Storm Water Drainage Master Plan for BeMC area, DPR for drain and roads including Bid documents in line with master plan” for World Bank funded Project in Berhampur Municipal Corporation (BeMC).

The BeMC, Berhampur under Odisha Disaster Recovery Project (ODRP) funded by the World Bank requires consultancy services for **Preparation of Storm Water Drainage Master Plan for BeMC area, DPR for drain and roads including Bid documents in line with master plan for World Bank funded Project in Berhampur Municipal Corporation (BeMC).**

The detailed terms and conditions for submission of REoI are indicated in Draft Terms of Reference and REoI that shall be available on e-Procurement portal <https://www.tendersorissa.gov.in> as well as on our web site www.berhampur.gov.in with effect from 03/11/2014.

Interested Consultant firms are required to submit their REoI with the required details and supporting documents latest by 24/11/2014 up to 4.00 P.M. at the address mentioned in REoI. The date of opening of REoI shall be on dt. 24.11.2014 at 4.00 PM.in the office of the undersigned.

Please visit the website www.berhampur.gov.in for any clarification.

Sd/29.10.14

**Municipal Commissioner,
Berhampur Municipal Corporation**

Memo No. 11292 **Dated 29.10.2014**

Immediate Publication

Copy along with soft copy forwarded to the Deputy Director (Advt.) and Deputy Secretary to Govt., Information & Public Relation Deptt., Odisha, Bhubaneswar for information with a request to arrange immediate publications of the **Request for Expression of Interest (REoI)** in **2 (Two) English National News Papers** in addition to **one leading Odiya daily**. It is requested to ensure the publication of above tender call notice on or before **Dtd.03.11.2014**. Copy of the papers where in the advertisement is published may please be sent to this office for reference and record.

Sd/29.10.14

Encl.:- As above

**Municipal Commissioner,
Berhampur Municipal Corporation**

Memo No 11293 **Dated 29.10.2014**

Copy submitted to the Commissioner-cum-Secretary to Government, Housing & Urban Development Department, Odisha , Bhubaneswar / Special Secretary, H&UD Department Odisha , Bhubaneswar for favor of kind information & necessary action.

Sd/29.10.14

**Municipal Commissioner,
Berhampur Municipal Corporation**

Memo No. 11294 **Dated 29.10.2014**

Copy with **Soft Copy** of the **Request for Expression of Interest (REoI)** forwarded to the Head, State Portal Group, I.T. Center of State Secretariat for **display in the Government Web Site**. The date of opening of **REoI** shall be on dt. **24.11.2014 at 4.00 PM**.in the office of undersigned.

Sd/29.10.14

Encl: As above.

**Municipal Commissioner,
Berhampur Municipal Corporation**

Memo No. 11295 **Dated 29.10.2014**

Copy submitted to the Collector & District Magistrate, Ganjam, Chatrapur for information with request to display the **Request for Expression of Interest (REoI)** in their Notice Board for wide circulation.

Sd/29.10.14

**Municipal Commissioner,
Berhampur Municipal Corporation**

Memo No. 11296 **Dated 29.10.2014**

Copy to Superintending Engineer, PH & RWS&S Circles, Berhampur/ Executive Engineer, PH & RWS&S Divisions ,Berhampur / Executive Engineer (R&B) Division-I&II Berhampur/ Executive Engineer,N.H.Division,Berhampur for information with request to display the **Request for Expression of Interest (REoI)** in their Office Notice Board for wide circulation.

Sd/29.10.14

**Municipal Commissioner,
Berhampur Municipal Corporation**

Memo No. 11297 **Dated 29.10.2014**

Copy to Deepak Singh, World Bank ,New Delhi For kind information

Sd/29.10.14

**Municipal Commissioner,
Berhampur Municipal Corporation**

Memo No. 11298 **Dated 29.10.2014**

Copy to Notice Board of this Office for wide circulation.

Sd/29.10.14

**Municipal Commissioner,
Berhampur Municipal Corporation**

Government of Odisha
Ministry of Housing and Urban Development
Berhampur Municipal Corporation

Request for Expression of Interest (REoI)

India

Odisha Disaster Recovery Project (ODRP)

Loan No. : P148868

Assignment title: Consultancy services for **Preparation of Storm Water Drainage Master Plan for BeMC area, DPR for drain and roads including Bid documents in line with master plan** for World Bank funded Project in Berhampur Municipal Corporation (BeMC).

Reference No. 11291 / Date:29.10.2014

The Government of India has received financing from the World Bank towards the cost of Odisha Disaster Recovery project, and intends to apply part of the proceeds for consulting services.

The consulting services shall include preparation of the detail storm under drainage master plan in consultation with the Berhampur Municipal Corporation , Berhampur Development Authority, Works Department, P.H.E.D. and Water Resources Department, taking the existing ground condition and water logging area and also for future development. The consultant will also prepare the DPR for drains and roads including survey, investigation, technical design ,drawing , layout plan , preparation of cost estimate ,analysis and bid document with bill of quantities .The engagement of the finally selected firm is expected to be for a period of 6 (six) months.

The Municipal Commissioner, Berhampur Municipal Corporation under the aegis of H&UD an implementing agency of the sub-component 2 of ODRP now invites eligible consulting firms (öConsultantsö) to indicate their interest in providing the above Services. Interested Consultants should provide information demonstrating that they have required qualifications and relevant experience to perform the Services.

The short-listing criteria are:

- (i) The firm should have at least 2 similar experience in relevant to the assignment with the list of project completed successfully in the last 5 years
- (ii) The firm should demonstrate that they have enough capacity (Including Personnel) in handling such assignment.
- (iii) The firm should have an average annual turnover of at least INR 2crore in the last 3 years and Experience in handling externally aided project such as the World Bank and ADB will be an advantage.

Expressions of interest (EoI) must include;

- Introduction letter on a letter head (with complete contact details, name of contact person, mailing address, telephone, fax, email etc) explaining how the firm is best to deliver the task.
- Organization profile.
- Short note on the similar projects implemented by the firm pertaining to the short listing criteria;
- Two years latest annual report including audited Financial Statement.
- Sufficient supporting documents to substantiate the claim of the Consultant towards their qualification as per the short listing criteria.

A draft Terms of Reference (TOR) is available at www.berhampur.gov.in.

The attention of interested Consultants is drawn to paragraph 1.9 of the World Bank's *Guidelines: Selection and Employment of Consultants [under IBRD Loans and IDA Credits & Grants]* by World Bank Borrowers January 2011 ("Consultant Guidelines"), setting forth the World Bank's policy on conflict of interest.

Firms (Consultants) may associate with other firms in the form of a joint venture or a sub-consultancy to enhance their qualifications. The submission should clearly state the nature of Association (JV or sub-consultant).

Firms (Consultants) will be selected in accordance with the Quality and Cost Based Selection (QCBS) method set out in the Consultants guidelines.

Further information can be obtained at the address below during office hours between 10:00 hours to 17:00hours.

Expressions of interest must be delivered to the address below by 24.11.2014 up to 4 P.M.

Municipal Commissioner, Berhampur Municipal Corporation
Berhampur, Ganjam District, Odisha PIN: 760002,
Email: odrpbemc@gmail.com Phone: 0680-2250290
Fax: 0680-2250480

Sd/29.10.14
Municipal Commissioner
Berhampur Municipal Corporation

Odisha Disaster Recovery Project – P148868

Community Infrastructure Investments in Berhampur

“Consultancy services for Preparation of Storm Water Drainage Master Plan for BeMC area, DPR for drain and roads including Bid documents in line with master plan for World Bank funded Project in Berhampur Municipal Corporation (BeMC)”.

DRAFT TERMS OF REFERENCE

1. Background of project

1.1 General

The Government of India has received financing from the World Bank towards **cost** of the Odisha Disaster Recovery Project (ODRP), and Berhampur municipal Corporation intends to apply part of the proceeds for **Consultancy services for Preparation of Storm Water Drainage Master Plan for BeMC area, DPR for drain and roads including Bid documents in line with master plan for World Bank funded Project in Berhampur Municipal Corporation (BeMC).** **Component 2:** Community Infrastructure Investments in Berhampur of the ODRP will be implemented by the BeMC under the aegis of the Housing and Urban Development Department of Government of Odisha.

Berhampur city is the fourth most populous urban area in the state of Odisha. It is mainly a trading centre for Southern Odisha having its influence over eight districts. It is the oldest city of Ganjam District. The city of Berhampur is governed by the Berhampur Municipal Corporation (BeMC). BeMC's jurisdiction covers an area of about 39.07 sq.km. and has a population of over 3, 78,000.

Berhampur slums: There are 254 slum settlements accommodating 28,270 households and a population of 126,541. Slum population is thus 33.41 % of the total population. Many of them are located around the 47 water bodies in the city, mainly in the form of tanks and along the natural or built drains. In the absence of sewerage system in the city, these water courses also carry septic tank effluents or the untreated human waste. The slums are therefore vulnerable to both flood and health hazards. Shelters in slums vary in construction from reeds and mud walls with thatched roofs to brick walls with AC or GI sheets as roof. The latter are vulnerable to strong winds and the former to heavy rains. Government of Odisha intends to improve the shelters under Government of India programs, including Rajiv Awas Yojna (RAY).

The Berhampur Municipal Corporation proposes to undertake various urban infrastructure projects; in particular the slum improvement works with a view to provide better facilities to the people living in slum areas. The works spread over entire Municipal Corporation area.

1.2 It is proposed to engage qualified consultants with proven relevant experience for **Consultancy services for Preparation of Storm Water Drainage Master**

Plan for BeMC area, DPR for drain and roads including Bid documents in line with master plan for World Bank funded Project in Berhampur Municipal Corporation (BeMC).

The proposed works involve construction / up gradation / renewal of various urban infrastructure investments including some city level infrastructure.

1.3 Component 2 of ODRP

1. *Sub-component 2.1: Upgrading of slums – USD13.7 million.* For infrastructure to improve the living conditions of households in slums in the city of Berhampur. These improvements include streets, access to improved water and sanitation, drainage, septic management, and street lighting. The level of service to be provided will be determined by the available trunk infrastructure, the physical conditions, size of the settlements, and the available resources. The project will be carried out in about 80 settlements covering about 30,000 populations.
2. *Sub-component 2.2: Public service infrastructure - USD11.7 million.* For priority infrastructure at the city level to improve service delivery and living conditions. The BeMC has carried out an assessment of damage and needs after Cyclone Phailin from which an investment plan is being prepared. Investments include priority roads and trunk water supply infrastructure among others.
3. *Subcomponent 2.3: Community participation - USD1.7 million.* This component will help facilitate community participation, ensuring a participatory approach in the planning of settlement level infrastructure.
4. *Sub-Component 2.4: Technical Assistance - USD1.7 million.* For providing support to the BeMC towards preparation of improved city-wide sectoral master plans and priority Detailed Project Reports (DPRs). These will include drainage, sewerage, street lighting and other relevant areas identified.

2. Objective of the Assignment

The main objective of the assignment is to prepare **Storm Water Drainage Master Plan for BeMC area, DPR for drain and roads, cost estimates including Bid documents in line with master plan** for implementation of component 2 of ODRP as detailed below.

2.1. Preparation of Master plan for storm water drainage, DPR & cost estimate.

Due to the location of Berhampur, the city is prone to water logging for a longer period during monsoon. Infiltration of rain water /sewerage in to existing open nallahs /drains in all the areas of the city and absence of segregated sewerage and storm water drainage system creates bottlenecks in discharging the flood water from the city and also causes damages to the urban infrastructures such as roads and drains in the city.

The scope of the work cover preparation of master plan of storm water drainage which includes field investigation namely topographical survey, water bodies survey, Hydrographic survey to be supported with Longitudinal and Cross sectional drawing at every 20 meters interval, reconnaissance survey of drain, nallahs and water bodies of city area of approximately 39.07sq.km, preparation of Master plan, DPR and cost estimate and bid documents for different nallahs and storm water drains for discharging the surface run off, flood water in to river courses away from the city.

2.2. Preparation of DPR & cost estimates of Road and drains of the BeMC area

The Berhampur municipal Corporation has its road network covering 39.07sq.km, which connects to different State Highway, National High way, PWD roads, Rural Development roads inside the city area, Some of these roads also connect to important places in the city like Railway Station, City Bus Stand , Medical College & Hospital, important educational institution and commercial and industrial areas .The preparation of DPR for road and drains will be made in line with the proposed Master plan ,So that the drain water will be discharged in to the major storm water drains leading to rivers courses. The scope will include the detailed survey, soil testing, design and preparation of cost estimates and bid document for approximately 100 km length of road and drains of BeMC area.

3 . Brief description of work

The assignment will require preparation of **Storm Water Drainage Master Plan for BeMC area, DPR for drain and roads, cost estimates including Bid documents in line with master plan for World Bank funded Project in Berhampur Municipal Corporation (BeMC).** The Different stages of assignment will involve the following.

3.1 Primary Tasks

- (i) Review of all available reports and published information about the storm water drains, road & drain project and the project influence area;
- (ii) Make an in-depth study of the available land width (ROW), topographic maps, and other available relevant information concerning the existing alignment, arrange the required maps and the information needed by him from the potential sources
- (iii) Detailed topographic surveys using Total Stations and GPS;
- (iv) Longitudinal section levels along final centre line at every 25m interval, at the locations of curve points, small streams, intersections and at the locations of change in elevation.
- (v) Cross sections at every 50 m interval in full extent of survey covering sufficient number of spot levels on existing carriageway and adjacent ground for profile correction course and earth work calculations. Cross sections shall be taken at closer interval at curves.
- (vi) Collect information on high flood level (HFL), low water levels (LWL), discharge velocity etc. from available past records, local inquiries and visible signs, if any, on the structural components. Local inquiries shall also be made with regard to the storm water drain, road sections getting overtopped during heavy rains.
- (vii) The requirement of roadside drainage system and the integration of the same with proposed cross-drainage system shall be worked out for the entire length of the project road section.
- (vii) The designed drainage system should show locations of turnouts/outfall points with details of outfall structures fitting into natural contours
- (viii) Longitudinal and cross sections for major and minor streams for preparation of Storm Water Master Plan and cost estimates..
- (ix) Traffic studies including traffic surveys
- (x) Inventory and condition surveys for road;
- (xi) Inventory and condition surveys for existing storm water drains, cross drainage structures and drainage provisions;
- (xii) Pavement investigations;

- (xiii) Sub-grade characteristics and strength: investigation of required sub-grade and sub-soil characteristics and strength for road design and sub soil investigation;
- (xiv) Identification of sources of construction materials;
- (xv) Preliminary proposal for rehabilitation / widening including shoulder composition and cross-section details
- (xvi) Identification of the type and the design of intersections;
- (xvii) Design of complete drainage system and disposal point for storm water;
- (xviii) Strip plan indicating the carriageway widening, location of all existing utility services and the scheme for their relocation, (e.g. Fibre Optical Cable, O/H and U/G Electric, Telephone line, Water mains, Sewer, Trees etc
- (xix) Prepare detailed estimates for quantities (Packages wise), including the cost based on MORTH's Standard Data Book or the prevailing schedule of rates.
- (xx) Preparation of detailed project report, cost estimate, construction Drawings, rate analysis, detailed bill of quantities;
- (xxi) Bid documents appropriate for World Bank standard bidding documents for execution of civil works

4 Standards and Codes of Practices

- 4.1 All activities related to field studies, design and documentation shall be done as per the latest guidelines/ circulars of MORTH and relevant publications of the Indian Roads Congress (IRC) and Bureau of Indian Standards (BIS Contract in consultation with BeMC and reflect the same in the inception report.

5 Draft Detailed Project Report (DDPR)

- 5.1 The DDPR Submission shall consist of construction package-wise Main Report, Design Report, Materials Report, Engineering Report, Drainage Design Report, Economic and Financial Analysis Report, Environmental assessment Report including Resettlement Action Plan (RAP), Package-wise bid Documents and Drawings.
- 5.2 The Documents and Drawings shall be submitted for each section (Package wise) separately :

6. Interaction with BeMC

- 6.1. During entire period of services, the Consultant shall interact continuously with BeMC and provide any clarification as regards methods being followed and carry out modification as suggested by BeMC. A programme of various activities shall be provided to BeMC and prior intimation shall be given to BeMC regarding start of key activities such as boring, survey etc. so that inspections of BeMC officials could be arranged in time.
- 6.2 The BeMC officials may visit the site at any time, individually or collectively to acquaint themselves with the field investigation and survey works.
- 6.3 All equipment, software and books etc. required for satisfactory services for this Project shall be obtained by the Consultant at their own cost and shall be their Property.
- 6.4 The consultant/firm will be liable to correct, modify or even change the drawing design etc. if any found required in course of scrutiny at any level

till the final approval is accorded by the competent authority without any extra cost.

7 Software

- 7.1 The Consultant shall also hand-over to BeMC soft copies/hard copies containing any general software including the models which may have been specifically developed for the project.
- 7.2 The above copies should be properly indexed and a catalogue giving contents of all Soft copies and print-outs of the contents (data from field studies topographic data and drawings) should be handed over to BeMC at the time of submission of the Final Report.

8 Responsibility of the consultant

The consultant shall carry out the study in a professional manner in keeping with internationally accepted standards using qualified and appropriate staff. They will endeavour to implement with diligence within the agreed time.

The consultant is to prepare and furnish the work programme for the assignment which is to be completed within 6 (six) months as stipulated.

The consultants shall be responsible for accuracy of all the data used in project preparation and the designs/drawings and estimates prepared by him as part of the project. Permanent location marks adequate for identification during execution shall be kept at the site at the cost of consultant. He shall indemnify the client against any inaccuracies in the work which might surface out at the time of ground implementation of the project. The consultant is responsible to correct the drawings including any re-surveys/investigations (including correcting the layout etc.) as required.

9. Services and Facilities to be provided by the Govt.

The Government will not provide any services and/or facilities to the appointed consultant during the phase of carrying out studies. The consultant will have to arrange all facilities/services required to carry out the assigned work on this project at their own cost. The financial proposal shall include all the required costs with breakups. However, introductory recommendation letters and Schedule of Rates shall be provided to the consultants on request from concerned authorities. However, Government will not be bound to provide the facilities as required by the consultant.

10. TEAM COMPOSITION

The experience and inputs requirement of the experts for the assignments are indicated as below. The Consulting firm shall provide adequate staff with appropriate qualifications and experience to undertake the works described above.

Experts Title	Qualifications & Skills	Relevant Experience	Required Input (Months)
Key Professional Staff			
Team Leader	" Civil Engineering with P.G in Environmental / Structural Engineering "Max Age limit 65- Years	Sector experience of more than 15 yrs and experience of project management of similar projects of at least 5 years	6
Drainage master planner	" Civil Engineering with P.G in Environmental Engineering "Max Age limit 65- Years	At least 10 years similar experience Experience of related Worked on similar twp projects	6
Hydraulic / Drainage Design specialist	" Civil Engineering with P.G in Hydraulic Engineering "Max Age limit 65- Years	At least 10 years similar experience	6
Structural Engineer	" Civil Engineering and P.G in Structural Engineering "Max Age limit 65- Years	At least 10 years similar experience	6
Sr. Highway Engineer	" Civil Engineering with P.G in Highway Engineering "Max Age limit 65- Years	At least 10 years similar experience	6
Sr. Surveyor	" Civil Engineering "Max Age limit 65- Years	At least 10 years similar experience	6
Transport Specialist	" Civil Engineering with P.G in Transport Engineering/Highway Engineering "Max Age limit 65- Years	At least 10 years similar experience	3
Pavement Design Expert	" Civil Engineering with P.G in Highway Engineering "Max Age limit 65- Years	At least 10 years similar experience	3
Procurement specialist	"Civil Engineering with P.G in Management "Max Age limit 65- Years	At least 5 years similar experience	2
Environmental specialist	" Civil Engineering with P.G in Environmental/Social Science "Max Age limit 65- Years	At least 5 years similar experience	2

11. Time period for the service

The selected consultant will complete the preparation of Master plan & DPR for road, drain and storm water drainage within a maximum period of six months. However, the consultant will start submitting the DPR after 2 months phase wise at regular interval as per required deliverables.

12. Commencement and completion of work

The date of commencement of work will be reckoned from the date of signing of the agreement. The actual working schedule will start immediately thereafter. The agreement shall be signed immediately after issue of order/ letter of acceptance. The overall duration of preparation of DPR is within 6(six) months only.

Sd/29.10.14

**Municipal Commissioner
Berhampur Municipal Corporation**