

ಬೆಂಗಳೂರು ಮೆಟ್ರೋ ರೈಲ್ ನಿಗಮ ನಿಯಮಿತ

(ಸಹಭಾಗಿತ್ವದ - ಕರ್ನಾಟಕ ಸರ್ಕಾರ ಹಾಗೂ ಕೇಂದ್ರ ಸರ್ಕಾರ ಉದ್ಯಮ)
ನೋಂದಾಯಿತ ಕಚೇರಿ : ಬಿ.ಎಂ.ಟಿ.ಸಿ. ಕಾಂಪ್ಲೆಕ್ಸ್, 3ನೇ ಮಹಡಿ, ಕೆಂಗಲ್ ಹನುಮಂತಯ್ಯ ರಸ್ತೆ, ಶಾಂತಿನಗರ
ಬೆಂಗಳೂರು - 560 027. ಭಾರತ



Bangalore Metro Rail Corporation Ltd.

(A Joint Venture of Government of Karnataka & Government of India)

Regd. Office : B.M.T.C. Complex, 3rd Floor, K.H. Road, Shanthinagar,
Bangalore - 560 027. INDIA

Bid No: BMRCL/PD/R5/LAKE/01/2015-16

Date: 18-03-2016

NOTICE INVITING TENDERS

Sub : Preparation of Detailed Project Report for the work of Rejuvenation and Over all Development of Veerasandra lake, Veerasandra, Anekal Taluk, Bangalore.

Tenders are invited in the prescribed format (both Technical & Financial) from the reputed consultancy firms / company / individual for providing the following services.

Sl No	Tender No	Name of work	Duration for submission of final report for Rejuvenation and Over all development of Veerasandra lake
1	BMRCL/PD/R5/Lake/01/2015-16/	Preparation of Detailed Project Report for the work of Rejuvenation and Over all development of Veerasandra lake, Veerasandra, Anekal Taluk, Bangalore.	6 (Six) Months for submitting the final report including tender documents

1. Scope of Services :

a) Preparation of Detailed Project Report, which includes,

➤ Preliminary Report :

- Brief description and Present physical status and environmental status of watershed of the lake
- Morphometric details of the lake
- Estimation of annual nutrients and pollutant loads (BOD, Total Nitrogen, Total Phosphorous, quantity of sediments / silt) likely to be discharged into the lake by inlet streams, storm water and lake sediment bed
- Assessment report of the Present physical status of the lake's appurtenant structures, and their adequacy and structural safety
- Determination of trophic state of the lake using Carlson's trophic state indices

- (vi) Analysis of Water balance of the lake
- (vii) Proposed improvements to the lake structures, inlet channels and outlet channels
- (viii) Environmental and Social impact
- (ix) Conceptual plan drawing with necessary typical type design drawings for various works of overall lake development works

➤ **Feasibility Report:**

- (i) Estimation of Pollutants load that may be discharged in to the lake
 - (ii) Planning, design and preparation of necessary drawings
 - (iii) Preparation of a document furnishing guide lines for Post restoration monitoring of the lake water quality.
 - (iv) Suggesting guide lines for Promoting environment awareness to public and achieving voluntary public participation in the pollution prevention and lake management works
 - (v) Preparation of a Time schedule for implementing the Lake development projects
 - (vi) Preparation of detailed estimates,
- b) **Obtaining approval for DPR, from LDA.**
- c) **Preparation of Tender drawings and Tender schedule**
- d) **Preparation of Construction drawings, sequence, methodology, including necessary structural engineering drawings (soft & hard copy) including safety barricading to be used during the execution of work by the execution contractor.**
- e) **Suggesting the type and capacity of equipments required for safe execution of works including remedial measures required to be undertaken prior to execution and during execution of work.**

2. ELIGIBILITY CRITERIA

The consultancy firm / company / individual referred as applicant hereinafter, meeting the following minimum eligibility criteria, shall only participate in the bidding.

- (i) Applicant shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by the Government of Karnataka.
- (ii) The Consultant should possess experience in preparation of Detailed Project Report including concept plan / field investigation, detailed Topographical survey, Geo-technical investigation, detailed engineering design and drawings including Techno feasibility, preparation of detailed estimates including necessary tender documents, pre-tender and post tender activities as a prime Consultant for not less than two numbers of overall development of

lake of area not less than 5 acres in the last 10 (ten) years ending with financial year 2014-15. In support of this, the Consultants shall give a declaration to this effect in Form-2 of Annexure '3'.

- (iii) Consultants must have Key professional required (as detailed in deployment of Technical Personnel) having experience in Preparation of Detailed Project Report for Over all development of lakes including core and non- core component of lakes to be deployed exclusively for this consultancy contract. The employer or competent authority shall furnish the recently signed CVs of the personnel and the availability of the personnel for the project till completion of the assignment.
- (iv) Consultants should have satisfactorily prepared detailed project reports and implemented as a prime Consultant for at least two numbers of overall development of lake including core and non-core component of lakes, out of which one shall not be less than an area of 5 acres or similar works. In support of this, the Consultants should furnish a certificate duly certified by the competent authority not below the rank of Executive Engineer or competent authority authorized by the employer for having satisfactorily completed the detailed project reports and implemented.
- (v) Applicant must have received on an average of Rs 5 lakhs per annum from consultancy fee / preparation of DPR for lake or for similar works, during the preceding ten financial years, ending 2014-15, duly supported by certificates by a Chartered Accountant. Further, the bidder must have an average annual turnover of ₹ 5 Crores during the last 3 financial years ending 2014-15.
- (vi) A description of the methodology and work plan for performing the assignment shall be enclosed.
- (vii) The Applicant should furnish a solvency certificate for Rs 10 lakhs issued by a scheduled bank dated not prior to issue of this NIT
- (viii) If Applicant does not have office in Bangalore, he must establish office in Bangalore, if contract is awarded.
Tender documents submitted without the requisite Certificate issued by the competent authority will be summarily rejected.

3. Deployment of Technical Personnel.

Sl No	Key professional	Qualification	Numbers Required	Minimum Experience Required
1	Team Leader	ME / M Tech	1	10 years
2	Civil Engineer	ME / M Tech	1	5 years
3	Geo Technical Engineer	ME / M Tech	1	5 years
4	Hydrology / Water resource	BE/B.Tech	1	5 years
5	Environmental Engineer	BE/B.Tech	1	5 years
6	GIS expert	BE/B.Tech	1	5 years
7	Landscape experts	Degree in Horticulture	1	5 years
8	Other supporting staff	As required	1	3 years

5. The Tender Document containing prescribed formats of Technical and Financial including terms and conditions can be purchased from BMRCL office during office hours between **22-03-2016 and 21-04-2016 by 4-00pm** by paying a non-refundable tender document cost of Rs.5,000/- (Rupees Five thousand only) (including taxes) in the form of demand draft drawn in favor of "Bangalore Metro Rail Corporation Limited", Payable at Bangalore.
6. Pre bid meeting will be held on 21-04-2016 at 4-30pm at BMRCL corporate office, Shantinagar, Bangalore
7. The interested eligible firms can submit their tender (both Technical & Financial) as prescribed in the tender document on or before 30-04-2016 latest by 15.00 hours (IST) at BMRCL office along with the bid security as indicated in the tender document.
8. The tender will be opened on 30-04-2016 at 15.30 Hrs



General Manager Finance (T&R)
BMRCL