



## BANGALORE METRO RAIL CORPORATION LTD.

(A Joint Venture of GOK & GOI)

3<sup>rd</sup> Floor, BMTC Complex, K.H.Road, Shantinagar, Bangalore-560 027 (India)  
Telephone No. 080-22969300/301 Fax: 080-22969222, E-mail: [bmrc@dataone.in](mailto:bmrc@dataone.in) Web site: [www.bmrc.co.in](http://www.bmrc.co.in)

Tender No: **BMRCL/UG/CONSTN/STN-MAJ/2010**

Dated: **03.11.2010**

### BANGALORE METRO RAIL PROJECT, Phase-I

### PRE-QUALIFICATION NOTIFICATION

Bangalore Metro Rail Corporation Limited (BMRCL) invites Indian and International companies, either individual or as a joint venture/consortium through International Competitive Bidding (ICB) for Pre-qualification of contractors for "**Construction of Underground Majestic Station (*Interchange Station*) and associated works** for Bangalore Metro Rail Project – Phase - I. under Contract No: **BMRC/UG/CONSTN/STN-MAJ/2010**. The system of traction is 750V dc Third Rail bottom collector and the track is Standard Gauge (1435mm). This is under JICA loan.

#### Note:

1. Pre-bid meeting will be held on **26.11.2010 at 11.00 hrs (IST)** in BMRCL office.
2. The tender document No. **BMRC/UG/CONSTN/STN-MAJ/2010** will be available for sale from **11.00 Hrs to 17.00 Hrs (IST)** on all working days from **11.11.2010 to 20.11.2010**.
3. Cost of the tender document: **Rs 25,000/-**(Rupees Twenty five thousand only) or **US\$ 600** through Demand Draft or Pay Order in favour of "**Bangalore Metro Rail Corporation Ltd**" payable at **Bangalore** and obtained in person.
4. The last date & time for submission of tenders: **05.01.2011 from 11.00 Hrs. to 15.00 Hrs (IST)**.

For further details visit our web site: [www.bmrc.co.in](http://www.bmrc.co.in) from **09.11.2010**.

Sd/- Chief Engineer (Design & UG), BMRCL.



# **BANGALORE METRO RAIL CORPORATION LIMITED**

## **BANGALORE METRO RAIL PROJECT**

### **APPLICATION DOCUMENT**

#### **FOR**

#### **PRE-QUALIFICATION OF APPLICANTS FOR**

#### **CONSTRUCTION CONTRACT OF UNDERGROUND MAJESTIC STATION (INTERCHANGE STATION) FOR BANGALORE METRO RAIL PROJECT -Phase-1**

**TENDER NO:  
BMR/UG/CONSTN/STN-MAJ**

**NOVEMBER - 2010**

**Bangalore Metro Rail Corporation Ltd.  
Third Floor, BMTC Complex  
KH Road, Shantinagar  
Bangalore-560027  
INDIA**



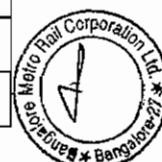
**PRE-QUALIFICATION DOCUMENT**

**FOR TENDER NO:  
BMR/UG/CONSTN/STN-MAJ**

**CONSTRUCTION CONTRACT OF UNDERGROUND MAJESTIC STATION FOR BANGALORE  
METRO RAIL PROJECT –Phase-1**

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## Bangalore Metro Rail Corporation Limited

3rd Floor, BMTC Complex, K.H. Road,  
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Tel: 080-22969300/301 Fax: 080-22969222

### PRE-QUALIFICATION NOTIFICATION

**PQ Document No: BMRCL/UG/CONSTN/STN-MAJ/2010**

**Dated: 3<sup>rd</sup> November 2010**

Bangalore Metro Rail Corporation Limited (BMRCL) invites to shortlist the Contractors through a **Pre-qualification process** for the “**Construction of Underground Majestic Station (interchange station)**” for Bangalore Metro Rail Project – Phase – I”. The system of traction in the BMR Project is 750V dc third rail and the track will be laid to Standard Gauge (1435mm).

#### **JOINT VENTURE/CONSORTIUM**

Indian and International companies, either by themselves or as a joint venture/consortium, interested in appointment through International Competitive Bidding (ICB) can apply for this pre-qualification of Contractors for the “Construction of Underground Majestic Station (interchange station)” and associated works. Applicants are required to have a good financial standing and performance record, requisite experience and capacity in the fields described above. **The maximum number of members shall be three (3).**

BMRCL, hereinafter called ‘the Employer’ has received an ODA Loan from Japan International Co-operation Agency, hereinafter referred to as the JICA, in the amount of 43,608 Million Yen as per loan agreement No. ID – P 171 dated 24.07.2006 towards the cost of Bangalore Metro Rail project and intends to apply a portion of the proceeds of this loan to payments under the contract for which this Tender Invitation is issued. Disbursement of the ODA Loan by JICA will be subject in all respects to the terms and conditions of the Loan Agreement, including the disbursement procedures and the Guidelines for Procurement under JICA ODA Loans. No party other than BMRCL shall derive any rights from the Loan Agreement or have any right to the loan proceeds. The above Loan Agreement will cover only a part of the project cost. As for the remaining portion, BMRCL will take appropriate measures for finance. It may be noted that under the Loan Agreement “all countries and all areas” are eligible to participate in the bidding.

Pre-qualification document for the Pre-qualification of Contractors for the “Construction of Underground Majestic Station (interchange station)” may be obtained from the Office of BMRCL, III floor, BMTC Complex, K.H. Road, Shanthinagar, Bangalore-560027, INDIA. Pre qualification document Documents will be made available on payment of non-refundable fee of Rs 25,000/- (US\$ 600) in the form of Demand draft or Pay Order from a Schedule Commercial Bank in India in favour of “Bangalore Metro Rail Corporation Limited” payable at Bangalore, on all working days between 11.00hrs and 17.00 hrs(IST) from 11.11.2010 to 20.11.2010.



A Pre bid Meeting will be conducted with the prospective Applicants on **26.11.2010**. Clarifications to Pre qualification document Clauses if any, may be asked in writing and sent to BMRCL. Last date for seeking such clarifications is **23.11.2010**. Only written queries on the Pre-qualification document will be entertained and replied by BMRCL.

The documents, duly completed, shall be returned in sealed envelopes, which must be delivered by hand or by registered post, so as to reach BMRCL office on or before **15.00 hrs (IST) on 05.01.2011**. **They will be opened on the same day at 15.30 hrs (IST)**.

JICA requires that bidders and contractors, as well as BMRCL under contracts funded with Japanese ODA Loans and other Japanese ODA, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, JICA;

- (a) will reject a proposal for award if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
- (b) will recognize a Bidder or Contractor as ineligible, for a period determined by JICA, to be awarded a contract funded with Japanese ODA Loans if it at any time determines that the Bidder or the Contractor has engaged in corrupt or fraudulent practices in competing for, or in executing; another contract funded with Japanese ODA Loans or other Japanese ODA.

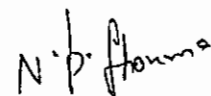
BMRCL reserves the right to accept or reject any or all proposals without assigning any reason whatsoever. No Applicants shall have any cause of action or claim against BMRCL for rejection of his proposal.

All applicants will be intimated and only successful applicants (firms / JV) will be invited to participate in this Tender for Construction Contract of Underground Majestic Station (interchange station).

Canvassing in any form will result in summary rejection of the tender.

For further clarifications contact the Chief Engineer (D&UG), BMRCL on +91 80 22969300; 22969354 and his email is [sharmanp@bmrc.co.in](mailto:sharmanp@bmrc.co.in)

For details please visit our web site: [www.bmrc.co.in](http://www.bmrc.co.in)



Chief Engineer (D & UG)

Bangalore Metro Rail Corporation Limited



**Part I : Enquiry Document & Instructions to Applicants**

**1. Introduction and General Description of the Work**

**A.1.1** Bangalore Metro Rail Corporation Ltd (BMRCL) is the Special Purpose Vehicle of Government of Karnataka and Government of India implementing the Phase I of the Bangalore Metro Rail Project. The sanctioned Detailed Project Report (DPR) envisages two corridors viz East-West corridor, of approximately 18.99 km length with 17 stations and North-South corridor of approximately 25.30 Km length with 24 stations, comprising of at-grade, elevated and under ground sections. The two corridors will cross at a common interchange station at Majestic. The train rakes interchange line between North-South and East-West corridors is also proposed at Majestic. The mode of traction power is 750V dc Third Rail bottom shoe collection. The track will be of Standard Gauge (1435mm) for double line. On the East- West corridor a maintenance depot along with full workshop facilities is envisaged at Baiyappanahalli, adjacent to the Eastern Terminal Station. On the North- South Corridor a depot proposed at Yeshwanthpur on elevated section as per DPR has now been envisaged at Peenya 3.7km north of Yeshwanthpur, where adequate land is available. An Integrated Operation Control Centre (OCC) for both the corridors is proposed at Baiyappanahalli Depot and an optional Back-up Control Centre (BCC) at Peenya Depot. The complete work is proposed to be brought into operational use in various stages.

Construction of the elevated structures between MG Road station and the proposed Baiyappanahalli Terminal of East-West corridor has commenced in January 2007. Similarly earth filling, construction of boundary wall and internal roads etc. for the Baiyappanahalli maintenance depot has commenced during March 2008. Detailed designs of six stations on Baiyappanahalli to M.G. Road section of East-West corridor have been finalized and construction work for the same is going on. Similarly Detailed Design for stations on East-West corridor (Reach 2) and 12 stations North-South corridor (Reach 3 & 4) have been completed and construction work started. Detailed Design for stations and Viaducts on Extension of North-South Corridor( Consisting of Reach-3A and Reach 3B on North end and Reach R-4A on South end of the corridor) including Viaducts and the total of 9 Numbers of Stations have been completed and construction work started. Construction work on Viaduct portions of Reach-2, Reach-3 and Reach-4 have also started. Work for Power Supply and Distribution System, 750V DC Third Rail Traction Electrification and SCADA System and for Track Work have also been awarded. Tender for Design, Manufacture, Supply, Testing, Commissioning of Passenger Rolling Stock (Electric Multiple Units) and Training of Personnel for Bangalore Metro Rail Project has also been finalized and the work on the same started.. Tender for Design, Manufacture, Supply, Installation, Testing and Commissioning of Signalling/Train Control and Communication System have been finalized and work awarded. Work for Design, Manufacture, Supply, Installation, Testing and Commissioning of Automatic Fare Collection System and for Supply, Installation, Testing and Commissioning of Escalators at stations have also been awarded.



The project comprises of two Corridors viz. East-West Corridor and North – South Corridor consisting of Elevated, At Grade and Underground sections with details (approx.) as under:

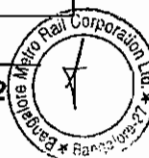
Section	East – West Corridor	North – South Corridor
At Grade	0.35 Km	0.30 Km
Elevated	14.19 Km	20.63 Km
Underground	4.45 Km	4.37 Km
<b>Total</b>	<b>18.99 Km</b>	<b>25.30 Km</b>

1.2 The construction of Elevated Viaduct of East – West and North – South corridors is subdivided into contract packages, status of major contracts/tenders are as shown below:

Sl.No	Contract Package No	Section	Corridor	Approximate length of Viaduct (excluding stations)	Contract
1.	BMRCL/VIA/EW/R1/1	Cricket Stadium to Baiyappanahalli	East – West Corridor	6.10 Km	Construction Only (work nearing completion)
2.	BMR/VIA/EW/R2-1	Mysore Road to Magadi Road	East – West Corridor	5.90 Km	Construction Only (work in progress)
3.	BMR/VIA/NS/R3-1	Yeshwanthpur to Swastik	North - South Corridor	5.10 Km	Construction Only (work in progress)
4.	BMR/VIA/NS/R4-1	K.R.Road to R.V Road	North – South corridor	3.70 Km	Design And Construction (work in progress)
5	BMR/VIA/NS/R3A	Peenya Industrial Area to Yeshwanthpur – Reach 3A including 3 Nos of Stations	North extension of North-South Corridor	4.44Km	Construction Only (work in progress)
6	BMR/VIA/NS/R3B	Hessarghatta cross to Peenya Industrial area – Reach 3B including 3 Nos of Stations	North extension of North-South Corridor	2.53Km	Construction Only (work in progress)
7	BMR/VIA/NS/R4A	Puttenahalli to RV Road – Reach 4A including 3 Nos of Stations	South extension of North-South Corridor	3.51Km	Construction Only (work in progress)



Sl.No	Contract Package No	Section	Corridor	Approximate length of Viaduct (excluding stations)	Contract
8	Underground –North – South Corridor	North of Majestic to South of City Market	North – South Corridor	4.37Km (including station length)	Work unbundled into number. of packages. Tendering in progress as mentioned below
(i)a	Majestic DDC - BMR/UG/DDC/STN-MAJ				Detailed Design & Consultancy(Tender awarded)
(i)b	Majestic- Construction BMR / UG / CONSTN / STN-MAJ				Construction (Tender – under process). This is the Tender under consideration
ii	Tunnel – N-S – including City Market and Chickpet Stations -BMR/UG/NS/STN-TNL		North – South Corridor	4.43Km (including station length)	Design & Construct(Tender under process)
iii	Simulation-(SES) BMR/UG-SES				Design Work (work awarded and under progress.)
iv(a)	E &M construction works in all tunnels and underground stations BMR/UG-E&M		North – South & East – West / UG Corridor		Construct (Tender under process)
iv(b)	DDC for E & M works in all tunnels and underground stations BMR/UG/DDC-E&M		North – South & East – West / UG Corridor		DDC Work (Tender under process)
v	Ventilation work in tunnels and all underground stations. BMR/UG/TVS-Vent		North – South & East – West / UG Corridor		Design & Construct(Tender under process)
vi	Air conditioning and ECS in all underground Stations BMR/UG/ECS-AC		North – South & East – West / UG Corridor		Design & Construct (Tender under process)
9	Underground –East– West Corridor including all four underground Stations: BMR/E-W/UG-2		East - West Corridor		Design and Construct. Work under progress
10	System - wide - contracts and other contracts stretching through out alignment of Metro Rails		North – South & East – West Corridor		
i	Signal & Telecommunication		North – South & East – West Corridor		Turn key work awarded. Work under progress.
ii	Automatic Fare Collection system				Turn key work awarded - Work under progress.



Sl.No	Contract Package No	Section	Corridor	Approximate length of Viaduct (excluding stations)	Contract
iii	Permanent Rail Track		North – South & East – West Corridor		Turn key work awarded. Work under progress.
iv	Third Rail traction & Power Supply		North – South & East – West Corridor		Turn key work awarded
v	Escalators		North – South & East – West Corridor		Turn key work awarded. Work under progress.
vi	Elevators		North – South & East – West Corridor		Turn key work under finalization
vii	Rolling Stock		North – South & East – West Corridor		Work awarded. Work under progress.
vii	Signage & Graphics (2 Contracts S&G – 3 & S&G – 4)	Cricket Stadium to Baiyappanahalli	Reach 1 of East – West Corridor	3 stations in each package	Tender under process

The Construction of Elevated Viaduct does not include Viaduct in Station Portions (the Station and Transition span on either side of the Station) unless mentioned otherwise.

The current status of Elevated Stations in East-West and North South Corridors is shown below:

S.No	Section		Stations Covered	Contract
1.	East–West Corridor	Cricket Stadium to Byappanahalli	MG Road, Trinity Circle, Ulsoor Road, Old Madras Road, CMH Road, Byappanahalli (6 Stations)	Construction Only-Work is nearing completion
2.	East–West Corridor	Mysore Road to Magadi Road.	Mysore Road Terminal, Deepanjali Nagar, VijayaNagar, Hosahalli, Magadi Road and Tollgate (6 stations)	Construction Only-Work in progress
3.	North-South Corridor	Yashwanthpur to Swastik.	Yeshwanthpur, Soap factory, Mahalakshmi Nagar, Rajajinagar, Kuvempu Road, Malleswaram and Swastik (7 stations)	Construction Only-Work in progress
4.	North–south corridor	Shiv Shankar Circle in K.R.Road and R.V. Road End	K.R.Road, Lalbagh, South-End Circle, Jayanagar and RV Road Terminal. (5 stations)	Design and Construction - Work in progress
5 (a)	North Extension to North South Corridor	Yeshwantpur Station to Peenya Depot (R-3A)	Outer Ring Road, Peenya Industrial and Peenya Village Stations (3 Nos) including viaduct work	Construction only(Work in progress)
5(b)	North Extension to North South Corridor	Peenya Depot to Hessarghatta Cross (R-3B)	Jallahalli, Dasarahalli and Hesswarghatta Cross Stations (3 Nos.) including Via-ducts works.	Construction only(Work in progress)
6	South Extension to North South Corridor	R.V. Road Terminal to Putenahalli Cross (R-4A)	Banashankari, J.P. Nagar and Putenahalli Cross Stations (3 Nos.) including Via-ducts works.	Construction only(Work in progress)



### 1.3 Sources of Fund and Conditions therein::

The Project is financed through equity participation by the Government of India (GOI) and Government of Karnataka and loan from internal / external borrowing agencies.

BMRCCL has obtained an ODA Loan from Japan International Cooperation Agency (JICA), Government of Japan, in the amount of 43,608 Million Yen as per Loan Agreement No-ID-P171 dated 24th July, 2006 towards the cost of Bangalore Metro Rail Project and intends to apply a portion of the proceeds of this loan to payments for the Works under this contract for which this Invitation to Tender is issued. Disbursement of the ODA Loan by JICA will be subject in all respects to the terms and conditions of the Loan Agreement including the disbursement procedures and the Guidelines for Procurement under JICA ODA Loans. No party other than BMRCCL shall derive any rights from the Loan Agreement or have any right to the loan proceeds. The above Loan Agreement will cover only a part of the project cost. As for the remaining portion, BMRCCL have taken appropriate measures for finance. It may be noted under the Loan Agreement that "all countries and all areas" are eligible to participate in the Tender.

JICA requires that bidders and contractors, as well as BMRCCL, under contracts funded with JICA ODA Loans and other Japanese ODA, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, JICA;

- (a) will reject a proposal for award if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question:
- (b) will recognize a Contractor as ineligible, for a period determined by the JICA, to be awarded a contract funded with ODA Loans of the JICA if it at any time determines that the Contractor has engaged in corrupt or fraudulent practices in competing for, or in executing, another contract funded with ODA Loans of the JICA or other Japanese ODA.

- 1.4.1 **The stretch of underground portion on North-South Corridor consists of underground stations, tunnels including ventilation and air conditioning, equipping, testing, commissioning (including Integrated Testing and Commissioning) of the under ground section in North - South corridor between Majestic Station (inclusive) and City Market station (inclusive). The total length of this Underground Section is approximately 4.37 Km and includes approximately 2.34 km of twin tunnels, 519 m of ramps, 1080 m of Cut and Cover Tunnel and three underground stations consisting of Majestic Station, Chickpet Station and City Market Station.**
- 1.4.2 **The underground station at Majestic is the interchange station between the North – South and East – West corridors, which is completely included in the underground stretch of North-South Section but the Detailed Design Consultancy Contract and construction contracts of Majestic are separated. The Construction work of Majestic is the subject matter of this tender No:BMR/UG/CONSTN/STN-MAJ. Detailed Design and Consultancy work for Majestic Station is under separate package of BMR/UG/DDC/STN-MAJ and process of tender for the same has been completed. The Majestic Station is basically three levels – lower track, upper track and concourse. As with the typical stations there**



will be entrance and vent shaft structures included. The whole work of stretch of underground portion of North-South Corridor is subdivided in 7 packages of contracts as mentioned in Para A.1.2 (S.N0-8) of the table above.

**This tender under consideration: BMR/UG/CONSTN/STN-MAJ is for Civil works (Only) - Construct Contract of underground Station at Majestic, which caters to the needs of both North-South and East-West Corridors of Bangalore Metro Rail Project.**

1.4.3 While the responsibility for design, supply and installation of lifts and escalators, traction and auxiliary sub-station equipment ,signalling/train control and communication system, automatic fare collection system, Electrical and Mechanical Building Services, Environmental Control System, Ventilation and SES will be that of other contractors, the Contractor for the proposed work of Construction of Majestic Station will have to provide space as per interface with the DDC and other designated contractors and construct civil works needed for lifts, escalators, traction and auxiliary sub-station equipment, etc. The Contractor shall also provide for passenger movement and fire modes, etc., for these items including the electrical supply and interfacing control of these items in the design done by DDC of Majestic Station. He will lead the co-ordination with the other contractors who have to execute these items. Any related civil works, viz.; construction of sub-station rooms and buildings, shafts, cable gallery earth mats, inter-modal transfer development, etc. shall also be executed by this Construction Contractor of Majestic Station, based on Good For Construction Drawings to be prepared and provided by DDC of Majestic Station. DDC of Majestic Station being appointed separately, shall co-ordinate for all Interface Managements and provide input/consultancy and necessary construction-drawings and details to enable the Construction Contractor to complete the work.

1.4.4 The scope of works(which will be mostly on Item-Rates / BOQ Basis) shall include, as a minimum, following:

- a. Site surveys and investigations, feasibility and design of temporary enabling and auxiliary work incidental to completion of the main work (which will be mostly on Item-rates/BOQ basis )
- b. Construction of Civil, Structure,Plumbing, Sanitary, Architectural and Finishing works
- c. Interface management with other contractors along with inputs of co-ordination and Interface outcome as provided by DDC-Majestic.
- d. Miscellaneous and Ancillary works

The Construct contractor shall be required to carry out the complete construction of the underground stations and support for the track bed structure.

The Contractor is required to take up and to complete the civil works of the "**Construct Contract of Underground Majestic Station**" (*Interchange Station*) with in **135 weeks** from the date of issue of "**Notice to Proceed (NTP)**".

The contractor shall be responsible for developing working / shop drawings and details of the stations prepared by the GC and DDC-Majestic and the same to be finally approved by DDC and the GC and to construct on basis of development and detailing done by DDC-Majestic for the



architectural, electrical and mechanical building services designs for the station. Station designs to be done by DDC-Majestic shall include all facilities, including but not limited to operational areas, commercial areas, telephone kiosks, landscaping, modal interchange with road and pedestrian traffic, lighting, water supply, sanitation and drainage, electric power supply emergency services and fire alarm systems and the same will be provided to the Construction Contractor-Majestic for completion of the construction .

The Contractor shall be responsible for construction of all Civil works of Link-Line, which is the interchange line between North- South Corridor line and West- East Corridor line and falling on North- East Part of Majestic Station, to be constructed for smooth transfer of train from North-South Corridor to East- West Corridor and vice versa, detailed design of which will be carried out by DDC/Majestic and other designated contractors and this Contractor is expected to execute work for the same mostly on Item-rates and BOQ basis. .

While the responsibility of lifts and escalators, signage and graphics, traction and auxiliary sub-station equipment automatic fare collection system and other system wide items will be that of other separate designated contractors, the contractors for the proposed contracts (BMR/UGCONSTN/STN-MAJ) in consultation with and in accordance with advice of DDC-Majestic will be required to manage the provision of space for these items including the electrical supply and interfacing of these items in the design and construction . He will lead the coordination with the other contractors who are required to execute these items. Any related civil works such as the construction of substation rooms and buildings, ventilation shafts, entrance structures, cable galley earth mats etc. shall also be carried out by the contractor.

The Scope of Work for Construction Contractor is further described in the Employer's Requirements ( Scope of Work, as mentioned in the concerned Volume of Tender-document for the Construction work, to be issued separately after qualification of the Applicants).

The terms and conditions of tender-document for this work will include amongst others:-

- a) Price Variation Clause as per standard clause as to be displayed in the tender document
- b) DELETED (Not Used) .
- c) DELETED (Not Used) .
- d) Sizable volume of work may have to be done by Top-down construction method and remaining work may have to be done as Bottom-up method depending upon the consultancy advice to be furnished by the DDC of this work, which all will however remain subject to decision of value engineering method and conditions, if any proposed by this contractor and accepted by the GC/Employer.

- 1.5 By this Application Document, BMRCL invites sealed Applications for Pre-qualification for TENDER NO: BMR/UG/CONSTN/STN-MAJ for CONSTRUCTION CONTRACT OF UNDERGROUND MAJESTIC STATION FOR BANGALORE METRO RAIL PROJECT –Phase-1, including necessary Diaphragm walls / secant / contiguous pile walls and all main and incidental works at Majestic, which is the interchange Station of both North-South and East-West Corridors of Bangalore Metro Rail Project. Now the Employer intends to pre-qualify /shortlist Construct Contractors through a pre-qualification process under the Guidelines for



Procurement under JICA ODA loans for the Construction of Underground Majestic Station For Bangalore Metro Rail Project –Phase-1 .

**Note: Tender for “Construct Contract of Underground Majestic Station” will be invited from the prequalified Applicants only.**

- 1.6 BMRCL intends to invite suitably qualified applicants to submit Applications for Pre-qualification for the **Construct Contract of Underground Majestic Station for Bangalore Metro Rail Project**. Applications are invited from applicants (who may also opt to include other partners/ members to form a group/JV/Consortium), who have experience in appropriate disciplines for the contract. The Applicant is encouraged to associate Indian contractors experienced in requisite disciplines. *The Joint Venture agreement/Memorandum of Understanding must identify and mention the extent of financial participation by each member, the individual field of work to be carried out by each member, Name of the Lead Member and its letter of consent, Name of the Project Manager(Lead of the Project) and name of the member to whom he belongs, etc , so as to give comprehensive idea of the nature and working of the proposed Joint Venture/Consortium. It is essential that a member being assigned nature of job/work in this Joint Venture/Consortium must have done similar type of job in the past also and their credential to prove the same will have to be enclosed with the submissions of the Application along with mention of Page reference for the same at appropriate places in the Pre-qualification Application.,*
- 1.7 Applicants may apply as a sole applicant or in joint venture, partnership or consortium, herein after, referred as “group”. **The number of Joint Venture Partners / Consortium Partners in a Group shall be restricted to maximum three.** However, they will not be permitted to apply as an individual firm and at the same time as part of any other group. No individual firm will be a member of more than one group. All the members of the Consortium / Joint Venture will be jointly and severally liable for the performance of whole Contract.
- 1.8 Applicants for Qualification should note that this qualification document is intended to provide information concerning the construction of Under Ground Station at Majestic and its component contracts. The information contained herein shall not in any way be construed as binding on BMRCL, its Consultant, its agents, successors or assigns.
- 1.9 Applicants are advised that selection of Tenderers will be entirely at the discretion of BMRCL. Applicants will be deemed to have understood and agreed that no explanation or justification on any aspect of the Qualification process will be given and that BMRCL’s qualification decisions are without any right of appeal whatsoever.
- 1.10 All costs incurred by an Applicant for qualification shall be borne by the applicant, and BMRCL its agents, successors and assigns are entirely without liability for such costs.
- 1.11 BMRCL will notify successful qualified applicants only with invitation to submit the Tender as per Tender Documents to be issued to them.
- 1.12 Applicants are advised that neither BMRCL nor its successors, assignees or Consultants will

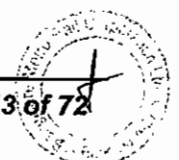


respond to enquiries or enter into communications concerning or relating to the selection process or the pre-qualification procedure. BMRCL will not normally ask for clarifications on matter contained in submission of PQ Applications and any deficient submission will be rejected forthwith. However, at its discretion, BMRCL reserves the right to ask any clarification on document submitted by the Applicant with the Application.

- 1.13 The Applicants authorize BMRCL or any of BMRCL's authorized representative to approach, enquire, verify and check the matters furnished in their submissions for this pre-qualification, with the concerned Authority, Client/Owner of the Project/Contract and concerned Bankers of reference provided by them..
- 1.14 **Each Applicant (each member in the case of a group) or any Associate will be required to confirm and declare with the Qualification Application that no agent, middleman or any intermediary has been, or will be, engaged to provide any services, or any other items or work related to the award and performance of this Contract. They will have to further confirm and declare in the submittal that no agency commission or any payment which may be construed as an agency commission has been, or will be, paid and that the tender price will not include any such amount. Applicants failing to give the undertaking (Refer as per Appendix-1 to Form of Qualification Application (FOQA-1)) may liable to be rejected by BMRCL.**

## 2 PRE-QUALIFICATION APPLICATION

- 2.1 Applicants for Pre-qualification are required to submit the duly filled in the Pre-qualification Questionnaire and associated information as herein requested.
- 2.2 Applicants shall submit all the requisite information in the sectional arrangements with separators as indicated in the Table "Contents of Sections" in the Pre-Qualification questionnaire.
- 2.3 Applicants should attach clearly marked and referenced continuation sheets in the event that the space provided in the Questionnaire is insufficient.
- 2.4 Qualification requirement to be submitted along with the Application document.  
The Qualification of applications shall be summarily rejected if the credentials and information asked are not submitted in entirety along with the Application document. BMRCL reserves the right to accept or reject any or all the applications without assigning any reason.
- 2.5 Information supplied by an Applicant (or constituent member if the Applicants a group) must apply to the Applicant or constituent member named in the application and not, unless specifically requested, to other associated companies or firms.
- 2.6 A Group comprising a joint venture, partnership or consortium may apply for qualification along with submission of their **agreement for formation of group, Joint Venture or Consortium or agreement of Association , as the case may be .** Applicant's attention is drawn to paragraph 1.7 above. In the case of application, from group, a statement of participation for each group-member shall be submitted to the effect that they are bonafide members of the group applying for qualification; **Narration of their individual role in the JV and that, in the event of**



qualification; they agree to be jointly and severally liable to BMRCL under the Contract which may be subsequently awarded to the group.

- 2.7 Details of the existing or proposed joint venture, partnership or consortium agreement in the form of a Memorandum of Understanding (MOU) signed by all participants will be required. International contractors who are considering forming joint ventures, partnerships or consortia are encouraged to have at least one Indian Partner in the appropriate discipline of the work.
- 2.8 **BMRCL will review and evaluate the information submitted by applicants as per Pre-Qualification requirement - criteria as detailed in the Application document.**

### 3. Pre-Qualification Requirements and Evaluation of Eligibility Criteria

#### 3.1 Pre-Qualification Requirements

In responding to the qualification submission, applicants should have their capabilities, by providing data based on their experience, past performance, their personnel, equipment and financial resources.

Client certificates are mandatory for the work done. In case the work is done as sub-contractor, certificate from the main contractor is to be submitted.

In case the application is from Joint Venture or consortium, each member of the group should substantially satisfy the capability to carry out the works so that the JV/Consortium as a whole satisfy the Pre-qualification requirement (see para 1.6 also).

**In order to evaluate and qualify for all these capabilities of the Applicants, they must satisfy the Eligibility Criteria as mentioned in Para 3.2 and its sub-paras.**

#### 3.2 Eligibility Criteria

The Applicant must meet the following eligibility criteria for being considered as technically qualified and become eligible for Invitation to Tender. In case the Applicant is a group, the member(s) satisfying the eligibility criteria 3.2.1 and 3.2.2 below shall be the one who has the requisite experience either individually or whose participation was a minimum 26 % in the previous group and he must also have a minimum participation of 26 % in the present group. However, the Lead Member must satisfy at least one of the Eligibility Criteria 3.2.1 or 3.2.2 mentioned below.

- 3.2.1 The Applicant during the last ten years ending 30.09.2010 must have completed 2 Nos Of Underground Metro Stations of each minimum 5000 sq. m of Station Box Area in Plan (Both stations need not be in the same Contract) or must have completed 1 No. Of Underground Metro Station of minimum 7000 sq. m of Station Box Area in Plan under one Contract.  
(Statement to be submitted as per Appendix 3.2.1, attached)
- 3.2.2 The Applicant during the last ten years ending 30.09.2010 should have completed RCC Diaphragm Walls/Secant/Contiguous Pile walls of at least total length of 600 meters and height of 12 meters (Minimum) for underground Metro Stations (in a continuous period of 9 months).  
(Statement to be submitted as per Appendix 3.2.2, attached)
- 3.2.3 The Applicant must have an average annual turnover of Indian Rupees 190 Crores (INR1900 Millions) from Civil Engineering Construction Contracts only during the last 5 ( five) financial years. Lead Member to have minimum average annual Turnover of of INR 760 million and each other member's average



annual Turnover will be minimum of INR 475 million. However, the minimum average annual turn over of the JV / Consortium, obtained by adding together each member's average annual turn over must be Indian Rupees 190 crores (INR 1900 Millions)

(Statement to be submitted as per Appendix 3.2.3, attached)

- 3.2.4 Net worth in the latest three out of the last five accounting years should be positive for each of the member of the Group having  $\geq 10\%$  participation in the Group/JV.

(Statement to be submitted as per Appendix 3.2.4, attached)

- 3.2.5 Profitability-earnings before Interest and Tax should also be positive at least in any two financial years out of the last five years for each member of the Group. (Statement to be submitted as per Appendix 3.2.5, attached)

- 3.2.6 Tenderer should have as a minimum the following plant and machineries either owned or to be made available on hire or lease (Attach the documentary proof). Group as a whole will be considered (Statement to be submitted as per Appendix 3.2.6, attached).

S.No.	Type	Minimum Nos required	Owned	Hired or leased
1.	diaphragm walls / secant / contiguous pile walls Rigs Set including Clam Shell (0.8-1.2 cu.m) with 100 MT Crane / Bored Pile Rig (diameter 1.0M or above).	2		
2.	Rock Breakers	3		
3.	Excavators- at least 0.8/1 cu.m bucket-capacity	4		
4.	Heavy Duty Dumpers/Tippers	16		
5.	Heavy Duty Pay Loaders	2		
6.	Heavy Duty Dozers	1		
7.	Heavy Duty –Road/Pavement Rollers	1		
8.	Fully automatic and computerised Batching and Mixing plant ( Minimum 30 cum/Hour ) (To be erected/commissioned away from the Site.)	2		
9.	Concrete pumps/placers of 25 to 50 cu.m per hour capacity	4		
10.	Transit mixers	3		
11.	Crane 30/50 t capacity or above	2		
12.	Hydras 10 t capacity min.	2		
13.	Electrical Dewatering Pumps-more than 30 cu.m per hour with at least 40 metre head	4		
14.	Electrical Sump-pump with at least 40 m head	2		
15.	DG sets 500 KVA / 250 KVA	2 / 4		

- 3.2.7 The Applicant must have the minimum number of required key personnel to be deployed for the contract as indicated in the brackets in the enclosed Annexure-3 of the document. The key positions should not be less than as specified for the group as a whole (for all members put together in case of group) and should cover disciplines mentioned in Annexure 3. (Statement to be submitted as per Annexure 3 attached)



3.2.8 The Lead Member of Applicant must submit in Section 5 of PQ Questionnaire, including the the Banking Reference and certificate from its Banker to demonstrate that it has access to, or have available liquid assets, lines of credit and other financial means sufficient to meet the required cash flow, after meeting its commitments for other contracts and other liabilities and as amounting to Indian Rupees 300 Million (Rupees three hundred Million).

**Note:-**

1. Paras 3.2.1 and 3.2.2, Clear and unambiguous Certificates (in English) from the Clients should be submitted.
  2. Applications containing deficient information, certificates are liable for rejection.
  3. The Lead member should have at least INR 760 Million as average annual turn over for the Eligibility Criteria 3.2.3. and each other member's average annual Turnover will be minimum of INR 475 million and the group as a whole should have atleast INR 1900 Million as average annual turnover from 'Civil Engineering Construction Contracts only' during the last five financial years.
  4. Paras 3.2.1 and 3.2.2 above, Completed work means even 'ongoing works' where the required similar work has been physically completed in all respects; same is required to be supported by Client's Certificate(s) along with the Application submission.
  5. Certified copies of Client's (duly signed) Certificates shall also be self attested by the Applicant.
  6. The temporary ground support for the station execution will most likely be by pile wall method.
- 3.3 Applicants will not be required to submit on their own, additional information or material subsequent to the date of submission and such material if submitted will be disregarded. It is, therefore, essential in achieving selection to ensure that all questions are answered fully on the proforma or otherwise. **The pages of the questionnaire submitted shall be numbered sequentially and the page number of each answer should be noted against the respective proforma question.** General responses such as "included in brochure" without specific item reference and information without summaries are unlikely to be considered. **To this end it is essential that all pages of the submission should be uniquely numbered and used to cross reference the supporting documents to the answers given.**
- To identify the details submitted in various sections, separators must be used in between the two sections.
- During the process of Pre-qualification evaluation the Employer may, at his discretion, ask any applicants for clarification of his PQ submission. The request for clarifications and the responses shall be in writing or by facsimile.
- 3.4 All documents submitted by Applicants shall be in the English Language. Any of the original document /certificate being in other than English language, the same must be translated in English language along with signature, name and Authority of the translator and attestation from the Applicant. Submitted documents will not be returned.
- 3.5 Applicants should observe the highest standard of ethics while submitting the pre-qualification application.



- (a) BMRCL will disqualify an Applicant if he has made misleading or false representation in the forms, statements and attachments submitted; or indulge in fraudulent and corruption practice.
- "corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution and
  - "fraudulent practice" means a misrepresentation of facts in order to influence an evaluation process or the execution of a contract, and includes collusive practices among bidders (prior to or after Application/bid submission) designed to establish bid prices at artificial, non-competitive levels and to deprive the client's benefits of free and open competitions.
- (b) Further, BMRCL will declare a firm ineligible, either indefinitely or for a stated period of time, for any BMRCL contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a borrowed financed contract in general; or defines, for the purposes of this provision, the terms set forth below as follows:
- Records of poor performance during the last 5 years, as on the date of application such as abandoning the work, rescinding of contract for which the reasons are attributable to the non-performance of the contractor,
  - Inordinate delays in completion, consistent history of litigation awarded against the Applicant or any of its constituents or financial failure due to bankruptcy, etc. If the Contractor has worked in a joint venture, the rescinding of contract of a joint venture on account of reasons other than non-performance, such as Most Experienced partner (Lead Partner) of joint venture pulling out, court directions leading to breaking up of joint venture before the start of work, which are not attributable to the poor performance of the contractor, will, however, not affect the pre-qualification of the individual partner; or
  - Has been declared as debarred (black listed) by any Govt. agencies as on date of Application.

### 3.6 Litigation History :

The Applicant/tenderer should provide accurate information on any litigation or arbitration resulting from contracts completed or under its execution over the last ten years ending on 30.09.2010.

If any of (i) the litigation started by the Applicant without recourse to measures of Dispute redressal and Arbitration as provided in the Contract or (ii) the litigation in respect of challenge of award of Arbitration by the Applicant, will be treated as Litigation case indulged by the Applicant for this Para of Litigation History.

A consistent history of awards against the Applicant/tenderer or any partner of a Joint Venture may result in failure of the application. Any **litigation - case** awarded against the Applicant in the last ten years ending 30.09.2010 will have to be recorded and detailed properly and annual average of more than one litigation case awarded against them in the last 10 years shall result into disqualification of the Applicant.

### 4.0 General Information for Underground Construction Works

- 4.1 The Employer has undertaken geotechnical boring investigations at approximately 50 meter intervals along the alignment centreline. However the DDC-Majestic will be responsible for getting executed additional geotechnical investigations to refine the available information and ensure the works can be undertaken safely and without disruption. The DDC will be required to



- provide a program of additional geotechnical investigations, if any, he would like to get further data prior to the further detailed design by DDC-Majestic .
- 4.2 The geotechnical investigations indicate that approximately 31% of the N-S Corridor and 41% of the E-W Corridor tunnel alignments respectively will encounter sound to moderately-weathered rock in a portion or across the entire tunnel cross-section. Where rock is encountered, it is expected to be generally massive, medium-grained granite or granitic gneiss with compressive strengths ranging between 50 – 125 MPa with maximum values of 305 MPa. The groundwater table was encountered in borings at depths varying between 2.5 m to 9.0 m below existing ground level along the E – W corridor and from 1.8 m to 9.0 m along the N – S corridor. The groundwater table is susceptible to seasonal variations in all areas. The result and interpretation of all geo-technical boring investigation including general type of layers, strata, nature of soil, earth, soft and hard rock will be prepared by DDC/Majestic and furnished to the Construction Contractor along with the Tender-document and further detailed report at working stages of the contract.
- 4.3 The underground stations are proposed to be constructed using “cut and cover” construction methods with diaphragm walls / secant / contiguous pile walls to support the excavations. However where the rock head is high and the excavation for diaphragm walls / secant / contiguous pile walls construction is unable to be achieved, the initial excavation may be supported by other means such as driven sheet piles /soldier piles and temporary strutting. The further station excavation into rock is proposed by controlled blasting and the excavation supported by rock bolts and shotcrete.
- 4.3.1 The station construction may be by either “top-down” or “bottom-up” construction sequence depending on surface traffic requirements. For stations where the surface road traffic conditions do not require rapid completion of the open excavation works, bottom-up methods may be utilized by the contractor. Existing utilities within the work area may require permanent relocation or temporary support to allow this work to be undertaken.
- 4.3.2 The underground stations, where traffic requirements require rapid completion of the open excavation works, have been proposed as cut and cover with top-down construction method. The diaphragm walls / secant / contiguous pile walls for such station constructions will be 800mm to 1,200mm thick depending on the length and will be planned to function as a portion of the permanent side wall of the station. It will , therefore, be necessary to construct the diaphragm walls / secant / contiguous pile walls absolutely watertight and with the required concrete strength. By utilizing top-down construction method for the stations, the surface could be restored quickly and further excavations and construction of the stations will not hamper the surface activity. It may be necessary to lower the groundwater table within the excavation for such cut and cover construction by suitable dewatering schemes which will also be used to recharge the water table outside the diaphragm walls / secant / contiguous pile walls periphery so that no settlement of buildings takes place. It should be anticipated that some of the diaphragm walls / secant / contiguous pile walls panels will have to be constructed through rock and consequently, appropriate equipment will be required for penetrating into the rock.



- 4.3.3 The interchange station at Majestic under purview of this tender will be a three-level underground station where the East - West corridor will be accommodated above the North - South corridor. It is proposed that the site area for Majestic Station will serve as the hub for the underground construction activities and as such both the Contractors' and GC offices will be located there.
- 4.3.4 At Majestic Station a regular interchange line, that is, a Link Line connecting the North - South and East - West corridors has been planned. This is to enable rakes to be changed from one corridor to the other during non-operational hours for rake-balancing or for taking trains to the Baiyappanhalli Depot for workshop attentions. The rake interchange line will be a single line with design details yet to be exactly established; however the approximate length will be 350 metres with a radius in the order of 140 to 190 metres and is located on the northeast corner of Majestic Station and detailed design for which is being done by the DDC-Majestic. BOQ details for the entire work will include this Link Line also and will be provided in the Financial Package.
- 4.4 Ancillary works to support the station excavation include: provision of suitable support equipment for the diaphragm walls / secant / contiguous pile walls construction including: excavation equipment, drilling mud reclamation pits, recirculation equipment and cranes for placement of reinforcement cages. Recharging the ground water table outside the diaphragm walls / secant / contiguous pile walls may be necessary and the Contractor will be required to undertake such works.
- 4.5 The contracts will include the provision of electric sub-station structures and architectural finishes, drainage systems, station mechanical and electrical building services and tunnel ventilation systems, sign boards, traffic integration, utility relocations, diversions, etc., civil provisions for traction and auxiliary sub-stations and associated cable ducts etc., on the basis of data to be furnished by DDC – Majestic after inter-action and finalization of the same with Interface designated contractors.
- 4.6 Wherever station mechanical and electrical building services appear, it shall be construed to include services for receiving and traction sub-stations, including station, sub-station and tunnel areas, electric supply and distribution at low voltage emergency power supplies, illumination, station ventilation and air-conditioning, fire protection systems, water supply, sanitary and pumping installations etc., on the basis of data to be furnished by DDC – Majestic after inter-action and finalization of the same with Interface designated contractors.
- 4.7 The contractor shall co-ordinate through the GC with concerned authorities for all temporary and permanent relocations and diversions works for utilities affected by the station works. However, the Contractor will allow for liaison with, and modifications to the design to cater for, the work of such other contractors.
- 4.8 Traffic Management shall be a major responsibility at all locations including roads in the adjoining neighbourhood. This shall include all necessary works to existing roads and utilities and obtaining of approvals from the concerned authorities.



4.9 The contractors shall co-ordinate through the GC and DDC-Majestic with the concerned authorities for all temporary and permanent relocations and diversion works for utilities affected by the station construction and other cut and cover works. GC in association with DDC-Majestic will oversee the co-ordination between the successful tenderer of this package and other designated contractors. However, the Contractors will allow for liaison with, and modifications to DDC-Majestic's design to cater for, the work of such other contractors, most of which will be on BOQ based Item-rates.

**5.0 INSTRUCTIONS TO APPLICANTS for submission of duly filled in Application cum Enquiry Documents:**

- 5.1 Copies of the Enquiry Document may be collected from the office of BMRCL, III floor, BMTC Complex, K.H. Road, Shanthinagar, Bangalore-560027, INDIA. The Pre-Qualification Document will be available on payment of non-refundable fee of **Rs 25,000/- (USD 600)** including sales tax and service charge in the form of **Demand draft or Pay Order** from any **Indian Schedule Bank (excluding co-operative Banks or from a Scheduled foreign Bank as defined in Section2(e) of RBI Act 1934 read with Second Schedule Schedule** in favour of **Bangalore Metro Rail Corporation Limited, payable at Bangalore**, on all working days between 11.00hrs and 17.00 hrs (IST) from **11<sup>th</sup> November 2010 to 20<sup>th</sup> November, 2010**. The documents can be sent by registered post also after receipt of such request alongwith the payment mentioned above. But the same will be at risk and cost of the Applicant. BMRCL will not be responsible for any loss suffered by the Applicant due to the same.
- 5.2 Clarifications, if any, asked in writing only will be entertained by BMRCL. Last date for seeking such clarifications is **23<sup>rd</sup> November 2010**. A meeting for Clarifications to the Application Documents will be held at BMRCL Office, Bangalore at 11=00 Hrs IST on **26<sup>th</sup> November 2010**.
- 5.3 The documents, duly completed, shall be returned in sealed envelopes, which must be delivered by hand or by registered mail, so as to reach BMRCL office **on or before 15.00 hrs (IST) on 5<sup>th</sup> January 2011**. No late or delayed applications will be accepted. The documents shall be addressed to :

**The Managing Director**  
Bangalore Metro Rail Corporation Ltd.  
3<sup>rd</sup> Floor, BMTC Complex  
KH Road, Shantinagar,  
Bangalore – 560 027  
Karnataka, India.

All envelopes shall be having the Title "PREQUALIFICATION SUBMISSION" and clearly marked in English with the : Name of the Applicant:

Contract Number: BMR/UG/CONSTN/STN-MAJ

Copy Number: Original or Copy-1 or Copy-2

**Application documents will be opened on 5<sup>th</sup> January 2011 at 15.30 hrs (IST).**



- 5.4 BMRCL reserves the right to accept or reject any or all proposals without assigning any reason whatsoever. No Applicant shall have any cause of action or claim against BMRCL for rejection of his proposal.
- 5.5 Canvassing in any form will result in summary rejection of the Application.
- 5.6 Indian and International companies, either by themselves or as a joint venture/consortium, interested in appointment through International Competitive Bidding (ICB) as Construction Contractors can apply.
- 5.7 Applicants are required to have a good financial standing and performance record, requisite experience and capacity in the fields described in the document herein. In the case of a Joint Venture (JV) or Consortium, all members of the Group shall be jointly and severally liable for the performance of whole contract. International contractors who are considering forming Joint Ventures, Partnerships or Consortia for the purpose of applying for prequalification, are encouraged to involve suitable local partners who have experience in appropriate disciplines for the contract.
- 5.8 In the case of applications from groups/joint venture/consortium (**not exceeding three members**), a statement of participation for each constituent member shall be submitted to the effect that they are bona fide members of the group applying for qualification and that, in the event of qualification, they agree to be jointly and severally liable to BMRCL under any contract which may be subsequently awarded to the group. Details of the existing or proposed Joint Venture, Partnership or Consortium Agreement in the form of a Memorandum of Understanding (MOU) / Joint Venture (JV) or Consortium Agreement signed by all members shall be submitted, which shall also include the following:
- An undertaking that in the event of qualification, they agree to be jointly and severally liable to BMRCL under any contract which may be subsequently awarded to the group
  - Nomination of one of the members as being the Lead Member, having the written authorization of other members. Lead Member shall have minimum 26% participation in the JV.
  - Proposed % participation of each member of the consortium/JV for the proposed work
  - Areas of specialisation/responsibility of each member for the proposed work/works that will be carried out by each member
- 5.9 No change in a prequalified group / joint venture / consortium will be allowed . However, in exceptional circumstance, any change in a prequalified group / joint venture / consortium will be subject to the written approval of the employer prior to the deadline for submission of tenders. Such approval may be denied if (i) partners withdraw from a group/joint venture/consortium and the remaining partners do not meet the qualifying requirements (ii) the new partners to the joint venture are not qualified, individually or as another group/joint venture/consortium; or (iii) in the opinion of the Employer, a substantial reduction in competition may result.
- 5.10 International applicants may be required to arrange for transfer of technology in various areas of construction of the underground Sections such as cut and cover methodology, control of ground settlements, instrumentation, safety, quality assurance, tunnel and station ventilation etc. for which the applicant will include the capability and clear intention to transfer technology in the



Pre-qualification submission. For this purpose, the applicant may associate with Indian contractors experienced in requisite disciplines.

- 5.11 Applicants shall not have a conflict of interest. All Applicants found to have a conflict of interest in this qualification process shall be disqualified. Applicants shall be considered to have a conflict of interest, if:
- a) One firm applies for qualification both as an individual firm and in a Group.
  - b) Applicants in two different applications have controlling shareholders in common; or
  - c) Submit more than one application in this qualification process.
  - d) (i) A firm or an Organization which has been engaged by the Employer to provide consulting services for the preparation related to procurement for or implementation of this Project (the works that are subject to this Qualification);
  - (ii) Any association/affiliates (inclusive of parent firm) of a firm or an organization mentioned subparagraph (i) above; or
  - (iii) A firm or an organization who lends, or temporarily seconds its personnel to firms or organizations which are engaged in consulting services for the preparation related to procurement for or implementation of the project (the works that are subject to this Qualification), if the personnel would be involved in any capacity of the same project (the works that are subject to this Qualification).
- 5.12 Applicants will not be considered if they make misleading or false representations in statements, attachments and pre-qualification questionnaire and other Submissions submitted in proof of the qualification requirements.
- 5.13 A firm, which has purchased the Prequalification Documents in its name, can submit an Application either as an individual firm or as a joint venture. **Prequalification Documents are non-transferable.**
- 5.14 Applicants are required to read carefully the contents of this document and to provide required information in sufficient detail so that the capabilities of the applicant can be fully appreciated and assessed.
- 5.15 Applicants for pre-qualification should note that this Pre-qualification Enquiry and Questionnaire is intended to provide preliminary information concerning the Project and its component contracts. The information contained herein shall not in anyway be construed as binding on GC/ BMRCL, its agents, successors or assigns.
- 5.16 Applicants will be deemed to have understood and agreed that no explanation or justification of any aspect of the pre-qualification process will be given and that BMRCL's pre-qualification decisions are without any right of appeal, whatsoever.
- 5.17 All documents and other information supplied by BMRCL or submitted by an applicant shall remain or become the property of BMRCL. Applicants are to treat all information as strictly confidential. BMRCL will not return any pre-qualification submission.
- 5.18 Applicant shall bear all costs associated with the application. BMRCL will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the qualification process.
- 5.19 Applicants are advised that neither BMRCL nor GC will respond to enquiries or enter into communications concerning or relating to the selection process or the pre-qualification procedure. Hence, unless otherwise asked in writing to submit supporting information/ clarification/proof during the evaluation of the Prequalification application/submission, the



- applicant will not submit on their own, additional information or material subsequent to the date of submission and such material if submitted will be disregarded. It is, therefore, essential in achieving selection to ensure that all questions are answered fully on the proforma or otherwise.
- 5.20 The pages of the Pre Qualification Document submitted shall be numbered sequentially and the page number of each answer shall be noted against the respective proforma question. General responses such as "included in brochure" without specific item reference, page number reference of Submission and information without referred summaries are unlikely to achieve a proper assessment. To this end, it is essential **that all pages of the submission should be uniquely numbered and used to cross reference the supporting documents to the answers given.**
- 5.21 GC, on behalf of BMRCL, will review and evaluate the information submitted by applicants to pre-qualify/select the applicants/groups. BMRCL will advise the result of the prequalification process to the all applicants, without assigning any reasons, within 60 days of the date of submission, in writing by fax. No correspondence shall be entertained in this regard. Invitation to Tender will only be issued to those applicants or groups who are pre-qualified and whose identity and/or constitution is identical to that at pre-qualification, as the time period between the result of the Pre-qualification and the Tender Invitation will be very short .
- 5.22 BMRCL reserves the right not to proceed with the pre-qualification procedure at any time without notice or liability.
- 5.23 The Applicants , who are declared qualified and invited to tender, will have to purchase Tender documents at requisite non refundable price and will be required to provide Tender Security in the form of a Bank Guarantee from a Scheduled Commercial Bank of the Tenderers choice, located in India, for an amount as to be stipulated in the Tender document. The successful tenderer will be required to provide Performance Security of 10% of value of the Contract Price in the acceptable form of Bank Guarantee as to be provided in the Tender documents.
- 5.24 Tenderers shall be required to update the financial information used for prequalification at the time of submitting their tenders and to confirm their continued compliance with the qualification criteria. A tender shall be rejected if the Applicant's qualification thresholds are no longer met at the time of submission of tender.



## 6 PREQUALIFICATION DOCUMENT

The PREQUALIFICATION DOCUMENT comprises two parts as follows:

**Part I** Enquiry Document & Instructions to Applicants

**Part II** Application Form, Qualification Questionnaire and Annexure

## 7 LANGUAGE OF THE APPLICATION

The application as well as all correspondence and documents relating to the qualification exchanged by the Applicant and BMRCL, shall be in English. Supporting documents and printed literature not in English language must be accompanied by an accurate translation of the relevant passages in English, (to be self attested) in which case, for purposes of interpretation of the application, the translation shall govern.

## 8 SIGNING OF THE APPLICATION AND NUMBER OF COPIES

8.1 The Applicant shall submit the original set of the qualification documents issued by BMRCL, along with his submission. This submission should be clearly marked as "ORIGINAL". The original of the application shall be typed and shall be signed by persons duly authorized to sign on behalf of the Applicant. Any supporting document relevant to Application document may also be submitted along with the Application and all such documents must be signed/self-attested by the Applicant on each and every page of the submission and documents enclosed..

The Applicant shall also submit two copies of the signed original application and clearly mark them "COPY 1" and "COPY 2" (which should be photocopy of the original set). In the event of any discrepancy between the original and the copy, the original shall prevail.

8.2 An authorized representative shall have the authority to conduct all business and incur liabilities related thereto for and on behalf of the firm or Group it represents, during the qualification and tendering periods and during contract execution. In case of a JV the authorization shall be signed by legally authorised signatories of all the partners. Such necessary authorizations, duly notarised, shall be attached to the application.

## 9 CONTRACTUAL MATTERS

9.1 The tender documents issued by BMRCL will include concept designs, Employer's Requirements, Outline Design Specifications, and Performance Specifications for Construction, Bill of Quantities, Schedule of Items along with Indicative estimated rates, quantities and value of each item of the group/sub-group of work.

9.2 The DDC-Majestic shall be required to develop the conceptual designs and Outline Specifications and Employer's Requirements prepared by the GC into detailed designs and full specifications complete with all necessary drawings to proceed to construction after concurrence by the Employer. The DDC-Majestic shall be required to submit design submissions, specifications, construction method statements and schedules in accordance with the Contract Documents. Work shall also include environmental matters and pollution controls. The



- contractors shall be required to operate as a minimum an internal Quality Control programme and contractors shall be responsible for the safety of existing structures adjacent to the alignment. The Contractor shall prepare reports on Constructibility and Maintainability of DDC-Majestic designs.
- 9.3 The Contractor shall have a Senior Design Engineer with his design office in Bangalore or shall set up facilities and staff in Bangalore to enable their co-ordination & control of design and Interface Management as prepared by the DDC-Majestic and/or as prepared/proposed by Designated Contractors.
- 9.4 This first phase project is highly visible and consequently particular attention will be paid to traffic management and control in addition to aesthetics and style of the above ground structures, within the budget available for the project.
- 9.5 The contractor shall be required to integrate DDC-Majestic designs and co-ordinate his work with system wide and other adjacent civil contractors. Such integration and co-ordination is of paramount importance for the timely and satisfactory completion of the project.
- 9.6 The DDC-Majestic shall be responsible for obtaining approval of stations and structures by all relevant civic authorities having jurisdictional authority wherever required.
- 9.7 The contractor shall be responsible for obtaining relevant certificates or clearances from local civic authorities, viz., completion certificate, fire clearance, etc. BMRCL shall extend necessary assistance wherever possible and the Contractor is to take required help and consultancy from the DDC-Majestic and integrate the same in the construction work being carried out by him.
- 9.8 GC will carry out proof checking of the DDC-Majestic' design work, but, the contractors will be required within their Internal Architect, Design & Internal Quality Control programme to ensure that all work is checked and completed to International Standards before submission of the same to GC.
- 9.9 If a contract is awarded to a group, each member thereof shall be severally and jointly liable for the whole performance of the contract obligations. However, a single performance guarantee from the Joint Venture/Group shall be submitted on behalf of the group.

Contact person on behalf of the Employer is Mr. N P Sharma, Chief Engineer (Design & Contracts). The contact telephone numbers are: Phone: + 80 22969354, Fax: + 80 22969222



**ANNEXURE – A****EVALUATION OF QUALIFICATION APPLICATIONS INITIAL FILTER****APPLICANTS – CHECKLIST**

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Applies for each member in case of a group / Joint Venture / Consortium (except SI .No 11) and each member shall submit this. Further, for SI.No.-11, in the case of group / JV / consortium the member should indicate which Qualification requirement in Para 3.2 (viz 3.2.1 to 3.2.8) he is satisfying and thus has indicated "Yes".

Name of Applicant: \_\_\_\_\_

No.	Criteria	Yes	No
1.	Has the Applicant <b>abandoned</b> any work in the last five years ending 30.09.2010 ?		
2.	Has the Applicant any <b>litigation history</b> (annual average of more than one litigation case in the last 10 years) year ending 30.09.2010? (Ref: Annexure-1(D))		
3.	Has the Applicant been <b>blacklisted</b> by any organization in the last five years ending 30.09.2010?		
4.	Has the Applicant paid <b>liquidated damages</b> more than 5% of the contract value in a contract due to delay or penalised due to any other reason in the last five years ending 30.09.2010?		
5.	Has the Applicant suffered <b>bankruptcy / insolvency</b> in the last five years?		
6.	Has the Applicant been <b>penalized</b> for poor quality of work in the last five years ending 30.09.2010?		
7.	Has any <b>misleading information</b> been given in the application?		
8.	Is the <b>Net Worth</b> of the Applicant positive (in case of group/JV, for each member having $\geq 10\%$ participation) as at the close of the latest 3 years out of the last five audited financial years? (Ref: Annexure-4)		
9.	Has the Applicant certified that <b>no agent / middleman</b> has been or will be engaged or any agency commission been or will be paid? (Ref: Appendix FOQA-1)		
10.	Has the Applicant submitted duly signed <b>verification statement</b> ? (Ref: Annexure-B, Annexure-C and Appendix FOQA-2 )		
11.	Does the Applicant satisfy the <b>Eligibility Criteria</b> stipulated in Pare 3.2 of qualification requirement?		

**Note:**

1. Answer "YES" TO questions 1 to 7 and answer "NO" to questions 8 to 11 will disqualify the applicant
2. Net Worth - The complexity and time constraint of Bangalore Metro Project is such that a financially weak Applicant will not be able to complete the work. Net worth should be positive for an Applicant (if single) /each of the partners having  $\geq 10\%$  participation in the Group/JV, as at the close of the latest 3 years out of the last five audited financial years? (Refer: See Annexure – 4 & Appendix 3.2.4)
3. Annual Net worth= (Paid up equity + Reserves-Revaluation Reserves-Miscellaneous Expenditure not written off) (Refer: See Annexure – 4 & Appendix 3.2.4)
4. Only Pass / Fail criteria will be used to shortlist the applicants.

