

25.0 Proposal Evaluation and Determination of Responsiveness

25.1 Evaluation of Technical Proposal:

The firms failing to meet the minimum requirement will be rejected. Only those technical proposals, which score at least 80 points out of 100, shall be considered for financial evaluation. The firms will be ranked using combined technical and financial scores, as indicated below. Each responsive proposal will be assigned a technical score (S_T) as follows:

25.1.2 Evaluation criteria:

The points to be given for captions under the evaluation criteria are as under,

Sr. No.	Description	Points
I.	Establishment of Firm, Specific experience of the Consultants relevant to the assignment, Relevant Experience & Turnover	40
II.	Adequacy of the proposed methodology and work plan in responding to the Terms of Reference	07
III.	Qualification and Relevant Experience of the Proposed Key personnel	53
	Total	100

25.1.3 Criteria, sub-criteria, and point system for the evaluation of Technical proposals:

Sr No		Marks
i)	Establishment of Firm, Specific experience of the Consultants relevant to the assignment, Relevant Experience & Turnover	
a)	Experience of Project Management consultancy for segmental flyover/ bridges.	25
b)	Average annual financial turnover of Rs. 200 Lac in last three financial years ending 31st March 2015 in the consultancy services as certified by CA.	5
c)	10 years in the field of consultancy	10
	Total	40 Marks
ii)	Adequacy of the proposed methodology and work plan in responding to the Terms of Reference:	
a)	Understanding of Scope of Services	03
b)	Methodology	04
	Total	07 Marks
iii)	Proposed staff qualifications and competence for the assignment:	
1	Team Leader	8

2	Resident Engineer (2 nos.)	10
3	Quality Control Engineer	5
4	Contract specialist/Quantity Surveyor	5
5	Sr. Structural Engineer	7
6	Structural Engineer	3
7	Geo-Technical/Foundation Engineer	3
8	Field Engineers (5 nos.)	10
9	Traffic & Safety Engineer	2
	Total	53 Marks

The weightage points given to evaluation sub-criteria for qualifications and relevant experience of key staff are as under.

Description	Weight	Ref.
General Qualification	25	Ref.TOR Provision
Employment with firm	5	
Relevant Experience and Adequacy for the project	70	
Total	100	

Note : On just satisfaction of qualification criteria, 80% marks allotted to that criteria shall be given. The firm having maximum experience/ qualification to satisfy that criteria shall be awarded 100% marks allotted to that criteria. The marks to other firms shall be given based on their experience/ qualification on the scale so prepared.

Example: Criteria - 10 years in the field of consultancy – total marks 10.

Firm	Experience in field of consultancy	% marks	Marks obtained
A	10 years	80 %	08
B	15 years	85 %	8.5
C	20 years	90 %	9.0
D	30 years	100 %	10

Similar system shall be adopted in marking of all criteria including marking for proposed staff.

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8.1 Key Professional Staff for Supervision Period

- i) Team Leader
- ii) Resident Engineer (2 nos.)
- iii) Quality Control Engineer
- iv) Contract specialist /Quantity Surveyor
- v) Sr. Structural Engineer

- vi) Structural Engineer
- vii) Geo-Technical/Foundation Engineer
- viii) Field Engineer (5 nos.)
- ix) Traffic & safety Engineer

8.2 Deleted.

8.3 Field Support Staff for Supervision period (Technical & Non-Technical) (Minimum Diploma in Civil Engineering)

- i) Surveyor
- ii) Lab technician
- iii) Lab Assistant (2 nos.)

If any deficiencies observed in qualification or in deployment on field, fees of PMC will be reduced proportionally

8.4 Minimum manpower deployment:

Category-wise minimum manpower to be deployed for Supervision Period and DLP period are given in Appendix-C

8.5 Implementation Schedule:

The work will be implemented within a time bound schedule up to original work contract plus approved extension if any .The implementation schedules (indicative only) for the work shall be as follows:

Activity description	Estimated time in Months
Supervision Period activity	36 Months(+, - 3 months) plus DLP 60 months

8.6 The site supervision team would be mobilized on the date of actual commencement of works by the contractors with prior approval of Chief Engineer MMRDA. In addition to the above the assignment also includes services during the defects liability as mentioned in contract agreement of work execution. The Consultant has to ensure presence of Resident Engineer towards the end of Defects liability for preparation of Final Report and contract closure. During the Defects Liability, the Team Leader will continue on a part time basis with the supervision team members if required, would be mobilized on an as required basis.

8.7 Requirement of technical support staff would include structural Engineers, Supervisors, and Technicians etc. as felt necessary for providing services mentioned in TOR. The Supervision Consultant may propose the various categories of technical support staff and the corresponding person's

month requirements. The Supervision Consultant should indicate in his technical proposal the qualification and experienced level of his proposed candidate for each category of technical support staff.

- 8.8** After award of the contract the Employer expects all the proposed key personnel to be available during implementation of the contract. The Employer will not consider substitutions during contract implementation except, under exceptional circumstances up to a maximum of one third of the key personnel. In case of replacements the Supervision Consultant will ensure that there is a reasonable overlap between the staff to be replaced and the replacement. The replacement should be strictly with the acceptance of MMRDA.

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16. Broad qualification and experience requirement for key professional Staff for period

Position	Minimum Qualification	Overall Experience	Specific Experience of Similar Nature
Team Leader	B.E. Civil	15 Years	Out of 15 years experience, 05 year experience as a Team Leader in execution of segmental bridge of Rs. 50 cr. in aggregate.
Resident Engineer (2 nos.)	B.E. Civil	10 Years	Out of 10 years experience, 03 year experience as a Resident Engineer in execution of segmental bridge/ Flyovers of Rs. 25 cr. in aggregate.
Quality Control Engineer	B.E. Civil	10 Years	Minimum 05 years experience in Quality Control of flyovers/ bridge projects of Rs. 25 cr. In aggregate preferred.
Contract specialist /Quantity surveyor	B.E. Civil	10 Years	Minimum 05 years of experience particularly in contracting, Pricing, billing and regulations and should have worked on infrastructure projects costing more than Rs. 50 Cr.(in aggregate) in the capacity of contract specialist.

Position	Minimum Qualification	Overall Experience	Specific Experience of Similar Nature
Sr. Structural Engineer	B.E. Civil with Post Graduation in structural Engineering	10 Years	Experience in designing of flyovers/segmental bridges and should have designed at least 3 major segmental bridge projects. Higher qualification will be preferred. Must familiar with modern methods of construction of bridges, design methods & standards, technical specifications and statistical Quality Control/Assurance procedures.
Structural Engineer	B.E. Civil	5 Years	Experience in designing of flyovers/segmental bridges and should have designed at least 1 segmental bridge projects. Higher qualification will be preferred. Must familiar with modern methods of construction of bridges, design methods & standards, technical specifications and statistical Quality Control/Assurance procedures.
Geo-Technical/ Foundation Engineer	BE civil with post graduate qualifications in Geotechnical	10 Year	Minimum 5 years professional engineering experience, in the role of geo-technical engineer .He should be able for application of soil mechanics knowledge to geotechnical engineering
Field Engineer (5 nos.)	DCE/ B.E. Civil	8 (DCE) /5 (BE) Year	Minimum 3 years experience in segmental bridges/flyover/bridge. Engineer/ Creek Bridge
Traffic & safety Engineer	BE Civil preferably with Diploma in Road safety	8 Year	Minimum 3 year experience in major bridge work in urban city.

Appendix-C

(Refer Clause 4.1 of GCC)

Table -1

MINIMUM KEY MANPOWER FOR CONSTRUCTION PERIOD

Sr. No.	Key Personnel	Requirement	No. of Man Months / Month
A	Minimum Key professional staff		
1	Team Leader	1	1.00
2	Resident Engineer	2	1.00
3	Quality Control Engineer	1	1.00
4	Contract specialist / Quantity surveyor	1	1.00
5	Sr. Structural Engineer	1	0.25
6	Structural Engineer	1	0.25
7	Geo-Technical/Foundation Engineer	1	0.25
8	Field Engineer	5	1
9	Traffic & Safety Engineer	1	1
B	Supporting staff		
1	Surveyor	1	1
2	Lab technician	1	1
3	Lab Assistant	2	1

MINIMUM KEY MANPOWER FOR DLP

Sr. No.	Key Personnel	Requirement	No. of Months / month
1	Team Leader	As and when required as directed by employer	0.05

Note:

- 1) The various personnel listed above shall be mobilized by consultant in accordance with program accepted by MMRDA.
- 2) Key personnel shall be mobilized for duration necessary for their adequate input towards completion of the tasks assigned to them
- 3) PMC will be penalized, if qualified Engineer is not found present at site. Penalty of Rs. 5000/- per day per person will be recovered from consultant bill.

ANNEXURE I

DETAILS OF KEY & SUPPORTING STAFF MANPOWER

Sr. No.	Key Personnel	Requirement	No. of Man Months / month	Name of person	Qualification	Experience
A	Minimum Key professional staff					
1	Team leader	1	1.00			
2	Resident Engineer	2	1.00			
3	Quality Control Engineer	1	1.00			
4	Contract specialist /Quantity surveyor	1	1.00			
5	Sr Structural Engineer	1	0.25			
6	Structural Engineer	1	0.25			
7	Geo-Technical/ Foundation Engineer	1	0.25			
8	Field Engineer	5	1.0			
9	Traffic & safety Engineer	1	1.0			
B	Supporting Staff					
1	Surveyor	1	1			
2	Lab technician	1	1			
3	Lab Assistant	2	1			

MINIMUM KEY MANPOWER FOR DLP

Sr. No.	Key Personnel	Requirement	No. of Months / month
1	Team Leader	As and when required as directed by employer	0.05

- 1) All nominated experts must be Indians Nationals. Only one CV may be submitted for each position. Experience with position held previously shall also be mentioned.
- 2) It would be preferred that the consultant deploys regular full-time employees as the key personnel for the services. The Agency defines a regular full-time employee to be a person who has been employed continuously by the Consultant or one of its Associates, for more than twelve (12) months prior to the date of submission of the Proposal

- 3) The Agency requires that each expert confirm the correctness of contents of his/her Curriculum Vitae (CV) and the expert himself should sign the certification of the CV. However, in particular cases, the Agency may accept a senior officer of the Consultant signing the CVs on behalf of the experts.
 - 4) The CV shall not be considered valid if,
 - (a) The CV is not signed in accordance with Sub-Clause 2.3.1 (a) (x) requirements, and/or
 - (b) The expert is a current employee of Government of India/ any State Government/Union Territory.
- (C) The concerned staff is not in the service of bidder as on date of publishing of tender notice.

ANNEXURE V

(To be uploading only with financial proposal in e-Envelop C)

COST ESTIMATES WITH DETAILS OF REQUIRED KEY MANPOWER

SUB : Appointment of consultants for Project Management Consultancy services for the work of Design & Construction of Elevated Corridor from a) Kurla to Vakola flyover on Santacruz-Chembur Link Road covering Vakola junction, University junction and BKC junction & b) MTNL junction, BKC to LBS flyover at Kurla.

FINANCIAL PROPOSAL

Sr No	Description	Amount
1	Remuneration	
2	Transportation	
3	Office Supplies, Utilities and communication	
4	Office furniture and Equipment	
5	Report and document printing	
6	Survey and other expenses	
	Total	

1. Estimate of Local currency costs**Remuneration of Key Professional & supporting Staff**

Sr No	Position	Name	Rate	No of man month per month	Man Months			Amount (in Rs)
					Construction phase	DLP	Total Man Months	
1	Team Leader			1	36	03	39	
2	Resident Engineer			2	36	-		
	Quality Control Engineer			1	36	-		
3	Contract specialist /Quantity surveyor			1	36	-		

Sr No	Position	Name	Rate	No of man month per month	Man Months			Amount (in Rs)
4	Sr Structural /Bridge Engineer			1	9	-		
5	Structural Engineer			1	9	-		
6	Traffic & Safety Engineer			1	36	-		
7	Geo-Technical/ Foundation Engineer			1	9	-		
8	Field Engineer			5	36	-		
9	Surveyor			1	36			
10	Lab technician			1	36			
11	Lab Assistant			2	36			
					Total			

I/We _____ Consultant/ Consultancy Firm am / are hereby quoting the fee for the Project Management Consultancy Services as per the scope of Work, terms and contract conditions covered in TOR. The offer is inclusive of all taxes excluding service taxes.

(In Words) Our Fee is _____% (_____ percent) of the **estimated cost** as mentioned in detailed tender notice.

Signature of Consultant:

Full Name:

Designation :

Address :

(Authorized Representative)

Note: Fee payable to the consultant: The quoted % fee shall be payable based upon the Estimated cost of Construction Work as mentioned in Detailed Tender Notice & as per the Fees and payment schedule mentioned in APPENDIX - D