



BAI JERBAI WADIA HOSPITAL FOR CHILDREN
ACHARYA DONDE MARG, PAREL, MUMBAI- 400012

REQUEST FOR PROPOSAL

FOR APPOINTMENT OF MEP CONSULTANT

REF No: BS-RETRO/2014-11/

NAME OF WORK: Providing MEP Consultancy Services for the work of "Retrofitting & Repairs of Bai Jerbai Wadia Hospital for Children at Parel" (Ground + 2 Floors): Built up area 1, 37,128 Sqft

Cost of Tender Schedule:	Rs. 500.00
VAT @ 5%	: Rs. 25.00

Total	: Rs. 525.00

DD drawn in favor of Bai Jerbai Wadia Hospital for Children payable at Mumbai to be enclosed along with Cover 1

Last date for receipt of tender documents: 27-11-2014 @ 03:00 PM
Date and Time of opening of : 28-11-2014 @ 03:00 PM

Eligibility Document (Cover-1)

Date and Time of opening of Technical and Financial proposals (Cover-2 and 3) will be intimated later to the eligible MEP Consultant.

SR. PROJECT OFFICER
NOWROSJEE WADIA MATERNITY HOSPITAL,
A. D. MARG, PAREL,
MUMBAI- 400 012.



BAI JERBAI WADIA HOSPITAL FOR CHILDREN

ACHARYA DONDE MARG, PAREL, MUMBAI- 400012

Request for Proposal

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Technical Bid – Cover 2

NAME OF WORK: Providing MEP Consultancy Services for the work of "Retrofitting & Repairs of Bai Jerbai Wadia Hospital for Children at Parel" (Ground + 2 Floors): Built up area 1,37,128 Sqft

1. Sealed bids are invited, upto 3.00 pm on 27-11-2014 by the Sr. Project Officer , Bai Jerbai Wadia Hospital for Children, A.D. Marg, Parel, Mumbai- 400 012 from eligible MEP firms / individuals who have been registered with Liasioning Authority and satisfying the eligibility criteria prescribed in this tender document.
2. The bid documents can be obtained from office of Sr. Project Officer, Nowrosjee Wadia Maternity Hospital, A.D. Marg, Parel, Mumbai- 400012 on all working days from 10:00 am to 5:00 pm.
3. All Bids, received within the stipulated time, will be opened in the office of Sr. Project Officer, Nowrosjee Wadia Maternity Hospital, A.D. Marg, Parel, Mumbai- 400012, after 3:00 pm on 28-11-2014 in the presence of Consultant or their authorized representatives.

1.0 Procedure for submission of Bids.

Agency/Firm who desire to be appointed as MEP consultants for the work shall submit their bids in three covers as detailed below

- 1.1 Bids must be submitted in sealed covers and should be addressed to the Sr. Project Officer, Nowrosjee Wadia Maternity Hospital, A.D. Marg, Parel, Mumbai- 400012. The name of the Agency/Firm and the name of the work and tender number must be written on all the Covers.
- 1.2 The cover containing the Eligibility document should be marked as "Cover-1 - Eligibility

Document”, Technical Bid “should be marked as “Cover – 2 – Technical Bid” and the cover containing the Financial Bid should be marked as “Cover – 3 Financial Bid”. All the covers shall be put in a fourth cover with the name of work and Date of opening written over it.

1.3 Cover – 1 – Eligibility Document – shall contain the following,

- 1) Cost of tender document Rs.525/- (Cost of tender Rs.500 + VAT @ 5%) (Non-Refundable) in the form of crossed demand draft drawn in favour of Bai Jerbai Wadia Hospital for Children and payable at Mumbai. Bid submitted without the cost of tender document will be summarily rejected.
- 2) Duly filled and signed copy of the Eligibility document downloaded from the IIT Madras web site along with necessary documents as prescribed in the eligibility document.

1.4 Cover – 2 - Technical Bid – shall contain the following,

- 1) Duly signed copy of the technical bid.
- 3) Conceptual Drawings of the proposed services along with a report on the salient features of the design.
- 4) Scale model or 3D view of the proposed services in color printout (A3 size).
- 5) Preliminary cost estimate of the proposed with prevailing cost index for the building portion and market rate for specialized services.

1.4 The Cover 3 - Financial Bid shall contain the quoted Consultancy fees for the work as a lumpsum amount and duly filled and signed copy of the financial bid document.

1.5 If the bid is made by an individual, he / she shall sign it with his/her full name and his/her address shall be given. If it is made by a firm it shall be signed by a member of the firm (under the seal of the firm), who shall also enter his/her name and address. Name and address of other members of the firm shall also be indicated. If the same is made by a corporation, it shall be signed by a duly authorized officer who shall produce with the bid, satisfactory evidence of his/her authorization.

1.6 For any further clarification the Sr. Project Officer of the Hospital may be contacted.

2.0 Receipt and opening of bids.

2.1 The bids will be received upto 3.00 PM on the stipulated date of opening at the Office of the Sr. Project Officer, Nowrosjee Wadia Maternity Hospital, A.D. marg, Parel, Mumbai- 400 012.

2.2 Bids will be opened on the next day after 3.00PM in the presence of the Consultant or their authorized representatives.

2.3 Only Eligibility document will be opened on that day.

3.0 Power point presentation

All Agency/Firm who will be satisfying the eligibility criteria prescribed in the eligibility document will be required to present their respective concept in a Power point presentation on a date to be intimated later. The presentation shall include all the salient features of the building, viz. its form, layout within the site constraints, conceptual details of specialized services like fire fighting and green building features etc.

4.0 Evaluation Procedure.

- 4.1 The technical bids, conceptual schemes and drawings and the Power point presentation by the Agency/firm will be evaluated by a committee.
- 4.2 The financial bids of only that Agency/firm who satisfy the requirement of previous experience will be opened on a date to be intimated later.
- 4.3 Un-opened Financial Bids of that Agency who failed to qualify shall be returned, if requested by the respective Agency/firm.
- 4.4 The successful Agency/firm will be selected based on Combined Quality cum Cost Based System.
- 4.5 The contract will be awarded to the successful bidder at his/her quoted /negotiated amount.
- 4.6 The Agency/firm whose bid is accepted shall sign a written agreement with the BJWHC, Mumbai.
- 4.7 The Sr. Project Officer or other accepting authority of BJWHC reserves the right to reject any bid or all the bids without assigning any reason.

5.0 Validity

The Validity period of the bids will be Three months from the date of opening of the Eligibility document.

6.0 Project Details

Sr. No	Description	Scope of work
1	No of Block	5 No
2	Built up Area	137128 Sqft
3	Class	Indo- colonial Heritage IIB
4	No of Floors	Ground Plus Two Floors
5	Terrace Floor	Lift Machine room, Staircase headroom , water tanks, etc
6	Special services	MEP and other services as required

7.0 Scope of work

1. Preliminary Design Brief Report after site visit / Collection of all relevant site data and discussions with Architect / Client and project feasibility survey along with Design Concept
2. Conceptual Planning for services in coordination with Architect / Client. Preliminary MEP Design Report complying to all relevant applicable codes and standards.
3. Preliminary Budget Estimates.
4. Detailed Planning for services.
5. Working Drawings for the project.
6. Specifications & Schedule of Quantities
7. Detailed Cost Estimates
8. Issue Notice Inviting Tender
9. Preparing Tender Documents and floating Tender enquiry with Tender Drawing for System. Scrutinizing & comparing the Techno- commercial offers of various bidders.
10. Providing assistance to employer in negotiation and finalizing of contractors.
11. Assistance in Contract Agreement and Post Contract Management
12. Checking and approving working drawing of contractors.
13. Periodical visits to the site of works during execution to ensure that the intent of the drawings in properly carried out and that technical features envisaged by the Consultant are properly executed.
14. Checking and certification of contractor's bills.
15. Witnessing the performance test for system.
16. Assistance with Initial Operation & Maintenance

a) Mechanical:-

Design of Mechanical systems, including:

1. Selection of Compressed Air System equipment & sizing calculation.
2. Compressed Air System piping calculations and design.
3. Design of Special Piping Systems.
4. Designing/Modification of lifts.
5. Boiler Room.
6. Laundry Machines and size calculations.

b) Electrical:

Design of Electrical systems, including:

1. Revision to existing power distribution and grounding.
2. Establishing Electrical loads and Maximum demand , calculations and sizing of raceway and conductors.
3. Segregation between Emergency and Non Emergency Loads
4. Conduct circuit breaker coordination analysis.

5. Design and sizing of electrical distribution system components and its location.
6. Selection of interior and building attached exterior lighting fixtures, layout and its control.
7. If required Sub Station and Generator.
8. Issues of captive generation, fuel storage relating to Diesel Generators.
9. Selection of emergency lighting fixtures, layout and sizing power circulating.
10. Design and layout of outlets and raceway for local computer/data network (LAN) system.
11. Design and layout of outlets and raceway for Audio/Visual instructional system.
12. Cable tray and/or raceway to allow routing of data and communication wiring.
13. Paging internal communication system.

c) Plumbing:-

Design of plumbing systems, including:

1. General Internal and external water supply system and fixture unit calculation. Establishing water demand and source of water, storage and distribution.
2. Selection of plumbing fixtures and equipment.
3. Sanitary and waste system.
4. Domestic hot, cold and recirculation piping system and size.
5. Water heater sizing calculation.
6. Drainage and storm water drainage System and fixture unit calculations.
7. Connection or extension of Domestic water supply and sanitary/storm sewer systems.
8. Infrastructure/public utilities.
9. STP/UG Tank/OH Tank System.
10. Water supply for Landscaping.

d) HVAC:-

Design of heating, ventilation and air conditioning systems, including:

1. Heating and cooling load calculations.
2. Ventilation load and rate calculations.
3. Selection of cooling medium.
4. Design of duct systems and sizing.
5. Selection of air handling system equipment and Temperature control system equipment.

e) Fire Safety & Security:

Design of Fire Safety & Security systems, including:

1. Occupancy hazard classifications.
2. Fire fighting solutions.
3. If required, Determining required water system flow, pressure, and available water pressure and flow volume. Location of water service entrance and fire department connection.

4. Required connections to building fire alarm ,fire detection system: designing, layout of devices, equipment selection.
5. Selection of areas served by non-water based fire protection system.
6. Cc TV and PA system.
7. Security & Access System.

f) Telecommunication:

Design of Telecommunication systems, including:

1. Layout and specifications of telecommunications outlets.
2. Layout and specification of cabling and punch down block termination.
3. Layout of telecommunications equipment rooms and termination racks.
4. Cable TV and video distribution.
5. Preliminary concept of BMS, Voice and data requirements.

8. Deliverables

1. Conceptual drawings.
2. Preliminary drawings for approval of BJWHC.
3. Design Basis report for all MEP services in the building.
4. Detailed drawings for the MEP services.
5. Detailed estimate for MEP services.
6. Tender documents for the MEP services.

The Agency/firm to whom the work is awarded shall submit five copies each of all finally approved „Good for construction“ drawings at the time of call of tenders for fixing the agency for execution of work. If more copies of drawings are required, the Agency will arrange to supply them, on written request.

7. Five sets of “As built” drawings for the MEP services with soft copy.
8. Five sets of commissioning reports and operation Manuals for all MEP services.

9.0 Additional conditions

1. The planning work shall not be sublet without written permission of the Sr. Project Officer nor shall transfer be made to power of Attorney authorizing others to receive payment.
2. The Agency/firm whose bid is accepted shall comply with the provisions of all Acts, Statutes, Rules, Regulations etc. of the Central and State Government/ Local body and applicable codes as the case may be and as may be applicable

in this case and if necessary get himself duly registered as required by the said Acts, Statues, Rules, Regulations etc.

3. All taxes, duties which are to be deducted as per Govt.Rules shall be deducted from the bills.
4. The Agency/firm shall design all services in accordance with good Engineering Practice incorporating functional and efficient Architectural and Engineering design conforming to the Indian Standard codes of practices and specifications, energy saving measures etc.
5. The Agency/firm should furnish all the required information such as detailed estimate, „Good for construction□ Architectural drawings, etc. of the project before tenders are invited and not in stages, during the progress of the work.
6. The amount quoted shall be all inclusive and nothing extra towards travel and stay or any other claim is payable.

10.0 Time Schedule.

The Architectural services shall be rendered in two stages.

Stage 1. – Upto the submission of tender documents including detailed “Good for construction” drawings for the MEP services.

Stage 2. – From the tendering stage to submission of “As Built” drawings.

Time schedule for submission of various details in Stage 1.

Sr. No.	Cumulative weeks after acceptance of offer	Activities to be completed
1	1	Preliminary Drawings and obtaining approval from BJWHC
2	2	Detailed drawings for approval of BJWHC
3	3	Detailed estimates, Bill of quantities including take off sheets and rate analysis MEP & HAVAC Services for all market rate items.
4	4	Tender document with „Good for construction□ drawings for the building Tender documents with „Good for construction□ drawings for MEP services,
Total Time for completion of Phase I = 4 Weeks		

11.0 Payment Schedule

A	On submission and approval of Preliminary drawings and full concept.	15% of the amount quoted.
B	On submission of detail drawings.	40% of the amount quoted

		minus payment already made.
C	Submission of detailed Estimate, BOQ take off sheets, rate analysis and bid documents etc. for invitation of tender for services and approval to the same and submission of tender package.	50% of the amount quoted minus payment already made.
D	Award of contract.	55% of the amount quoted minus payment already made.
E	After 75% completion of Construction Work (Financial Progress)	85% of the amount quoted minus payment already made.
F	After completion of all services.	90% of the amount quoted minus payment already made.
G	After issue of "AS BUILT" drawings and in editable electronic format. On issuance of Final completion certificate	100% of the amount quoted minus payment already made.

12.0 Compensation for delay.

Compensation at the rate of 0.5% of the quoted amount per week shall be recovered for delay in completing stage 1 activities as mentioned in Para 10, subject to a maximum of 10% of the quoted amount. Any justified delay on the part of the delay in issue of approval by BJWHC will be taken into account while deciding the compensation. The decision of the Sr. Project Officer in deciding the compensation will be final and binding on the Agency.

13.0 Termination of Agreement.

The Agreement may be terminated at any time by either party by giving a written notice of one month to the other. In the event of the termination of the agreement by BJWHC, the Agency shall not be entitled to any compensation or damages by reason of such termination but only to the fees for the services actually rendered. In the event of termination of contract by the Agency no further payment other than that has /have already been made shall be paid.

14.0 Transfer of interest.

So long as the Agreement subsists, neither the Employer nor the Agency shall assign, sublet or transfer their interest in this Agreement, without the written consent of the other.

Letter of Transmittal

Date:

To
The Sr. Project Officer
Bai Jerbai Wadia Hospital for Children
A.D. Marg, Parel,
Mumbai- 400 012.

Sir,

I / We do hereby submit my / our bid in two covers and if this bid is accepted undertake to provide MEP Consultancy Services for the proposed work of Providing MEP Consultancy

Services for the work of "Retrofitting and Repairs of Bai Jerbai Wadia Hospital for Children at A.D. Marg, Parel, Mumbai- 400 012" (Ground + 2 Floors), Total Built up Area: 137128 Sqft.

I / We fully understand that the written agreement to be entered into between me / us and BJWHC shall be the foundation of the rights of both the parties and the agreement for the consultancy services shall not deemed to be complete until the agreement has first been signed by me / us and then by the officer authorized to enter into contracts on behalf of BJWHC.

Signature of Consultant

Date:

Name:

Seal: