



DELHI METRO RAIL CORPORATION LIMITED

STAGE – 1 OF JAIPUR METRO

**DESIGN, FABRICATION, SUPPLY AND ERECTION
OF PRE ENGINEERED STEEL BUILDINGS
FOR MANSAROVAR DEPOT FOR EAST-WEST CORRIDOR
OF JAIPUR METRO PROJECT**

CONTRACT JP/EW/C8

TENDER DOCUMENTS

VOLUME 1

**NOTICE INVITING TENDER
INSTRUCTION TO TENDERERS
SPECIAL CONDITIONS OF CONTRACT
CONDITIONS OF CONTRACT ON SAFETY, HEALTH & ENVIRONMENT**

DELHI METRO RAIL CORPORATION LTD.

48, Geejgargh Vihar,

Hawa Sadak, Jaipur – 302019 (Rajasthan)

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JAIPUR METRO

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VOLUME 1

NOTICE INVITING TENDER

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1.1 GENERAL**1.1.1 Name of Work:**

Delhi Metro Rail Corporation (DMRC) Ltd. invites sealed tenders from *eligible* tenderers for the **Contract JP/EW/C8, Design, Fabrication, Supply and Erection of Pre- Engineered Steel Buildings for MANSAROVAR DEPOT FOR EAST-WEST CORIDOOOR OF JAIPUR METRO PROJECT.**

The detailed Scope of the work is provided in clause 2.0 and the Site information in Clause 3.0.

1.1.2 Key details:

Approximate cost of work	Rs. 10 Crore (Rupees Ten Crore only)
Tender Security amount	Rs 10 Lakh (Rupees Ten Lakh Only)
Completion period of Work	8 Months
Tender Documents on Sale	From 20.06.2011 to 24.06.211 (between 09.00 hrs to 1700 Hrs) on working days
Cost of Tender Documents	Rs. 20800.00 only (Demand Draft in favour of Delhi Metro Rail Corporation Ltd., payable at Jaipur)
Last date of Seeking Clarification	01.07.2011
Pre-bid Meeting	01.07.2011
Last date of issuing addendum	06.07.2011
Date & time of Submission of Tender	20.07.2011 (Between 0900 Hrs and 1100 Hrs)
Date & time of opening of Tender	20.07.2011 at 1105 Hrs
Authority and place for purchase of tender documents, seeking clarifications and submission of completed tender documents	General Manager (Civil) Delhi Metro Rail Corporation, 48, Geejgargh Vihar, Hawa Sadak, Jaipur – 302019 (Rajasthan)

1.1.3 QUALIFICATION CRITERIA :**1.1.3.1 Eligible Applicants :**

- i. The tenders for this contract will be considered only from those tenderers (proprietorship firms, partnerships firms, companies, corporations, consortia or joint ventures) who meet requisite eligibility criteria prescribed in the sub-clauses of clause 1.1.3 of NIT. In the case of a JV or Consortium, all members of the Group shall be jointly and severally liable for the performance of whole contract.
- ii. A non-Indian firm is permitted to tender only in a consortium arrangement or Joint Venture with their wholly owned Indian subsidiary registered in India under Companies Act -1956 or any other Indian firm having minimum participation interest of 26%.
- iii. Tenderers shall not have a conflict of interest. All Tenderers found to have a conflict of

interest in this tender process shall be disqualified. Tenderers shall be considered to have a conflict of interest, if:

- (a) One firm applies for tender both as an individual firm and in a Group.
 - (b) If Tenderers in two different applications have controlling shareholders in common.
 - (c) Submit more than one application in this tender process.
 - (d) If the Tenderer has participated as a consultant in the preparation of the design or technical specifications of the works that are the subject of this tender.
- iv. A firm, who has purchased the tender document in their name, can submit the tender either as individual firm or in joint venture/Consortium.
- v. Tenderer must not have been blacklisted or deregistered by any central / state government department or public sector undertaking. Also no work of the tenderer must have been rescinded by client after award of contract during last 10 years. The tenderer should submit undertaking to this effect in Performa of Annexure-4.

1.1.3.2 Minimum Eligibility Criteria:

A. Work Experience: The tenderers will be qualified only if they have completed work(s) during last five years ending **31/03/2011** as given below:

- (i) At least one work of "Design, Fabrication, Supply and Erection of Pre- Engineered Steel Buildings" of value of **Rs. 8crores** or more, **or**
- (ii) Two different works, as defined in Para (i) above, each of value **Rs. 5 crores** or more, **or**
- (iii) Three different works, as defined in Para (i) above, each of value **Rs. 4 crores** or more.

Notes:

- The tenderer shall submit details of work executed by them in the Performa of **Annexure-1** for the works to be considered for qualification of work experience criteria. Documentary proof such as completion certificates from client clearly indicating the nature/scope of work, actual completion cost and actual date of completion for such work should be submitted. ***The offers submitted without this documentary proof shall not be evaluated. In case the work is executed for private client, copy of the contract entered into with the private party/ contractor, bill of quantities ordered and for which payment has been received duly certified by C.A., T.D.S certificates issued by the client for payments made for such contract and copy of final/last bill paid for such contract shall be submitted.***
- Value of successfully completed portion of any ongoing work up to **31/03/2011** will also be considered for qualification of work experience criteria.
- For completed works, value of work done shall be updated to **31/03/2011** price level assuming 5% inflation for Indian Rupees every year and 2% for foreign currency

portions per year.

- In case of joint venture / consortia, full value the work, if done by the same joint venture or any of members of the Joint Venture shall be considered. However, if the work done by them in JV/consortium, value of work as per his percentage participation shall be considered.

B. Financial Standing: The tenderers will be qualified only if have minimum financial capabilities as below:

- (i) **T₁ – Working Capital** (Liquidity and Bankers References) : Working Capital (Net Cash Flow) of the tenderer during last audited financial year should be **≥ Rs 2.14 Crores.**
- (ii) **T₂- Profitability:** Profit before Tax shall be Positive in atleast 1 (one) year, out of last 3 audited financial year.
- (iii) **T₃– Net Worth:** Net Worth of tenderer during last audited financial year should be **≥ Rs. 1.0 crore.**
- (iv) **T₄ - Annual Turnover:** The average annual turnover from construction of last three audited financial years should be **≥ Rs. 4.0 crores.**

Notes :

- Financial data for latest last three audited financial years has to be submitted by the tenderer in **Annexure-2** along with audited balance sheets. The financial data in the prescribed format shall be certified by Chartered Accountant with his stamp and signature. In case audited balance sheet of the last financial year is not made available by the bidder, he has to submit an affidavit certifying that 'the balance sheet has actually not been audited so far'. In such a case the financial data of previous '3' audited financial years will be taken into consideration for evaluation. If audited balance sheet of any other year than the last year is not submitted, the tender will be considered as non-responsive.
- In case of Joint Venture / Consortia, the financial standing criteria will be evaluated based on weighted average of the financial data of the members as per their percentage participation.

1.1.3.3 Bid Capacity Criteria :

Bid Capacity: The tenderers will be qualified only if their available bid capacity is more than the approximate cost of work as per NIT. Available bid capacity will be calculated based on the following formula:

$$\text{Available Bid Capacity} = 2 \cdot A \cdot N - B$$

Where,

A = Maximum of the value of construction works executed in any one year during the

latest last five financial years (updated to 31.03.2011 price level assuming 5% inflation for Indian Rupees every year and 2% for foreign currency portions per year).

N = No. of years prescribed for completion of the work

B = Value of existing commitments (as on **30.06.2011**) for on-going construction works during period of **8 months** w.e.f.**01.07.2010**.

Notes :

- Financial data for latest last five financial years has to be submitted by the tenderer in **Annexure-3A** along with audited financial statements. The financial data in the prescribed format shall be certified by the Chartered Accountant with his stamp and signature.
- Value of existing commitments for on-going construction works during period of **18 months** w.e.f.**01.07.2011** has to be submitted by the tenderer in **Annexure-3B**. These data shall be certified by the Chartered Accountant with his stamp and signature.
- In the case of joint venture / consortia, bid capacity of each member will be computed applying above formula and combined bid capacity of the joint venture / consortia will be weighted average of the individual bid capacity of the members as per their percentage share in the joint venture / consortia.

1.1.3.4 The tender submission of tenderers, who do not qualify the *minimum eligibility criteria* & bid capacity criteria stipulated in the clauses 1.1.3.2 to 1.1.3.3 above, shall not be considered for further evaluation and therefore rejected. The mere fact that the tenderer is qualified as mentioned in sub clause 1.1.3.2 to 1.1.3.3 shall not imply that his bid shall automatically be accepted. The same should contain all technical data as required for consideration of tender prescribed in the ITT (Instruction to Tenderers).

1.4 Points to be noted

1.4.1 Works envisaged under this contract are required to be completed in all respects within the period of completion mentioned above.

1.4.2 The Tender documents consist of:

Volume-1

- Notice Inviting Tender (NIT)
- Instructions to Tenderers (ITT)
- Special Conditions of Contract (SCC)

Volume-2

- Special specifications

Volume-3

- Bill of Quantities (BOQ)

Volume-4

- Tender Drawings

Following two documents even though not attached as a part of tender document but will form integral part of the same. The work is to be carried out in accordance with GCC & all provisions of conditions of contract of SHE shall be strictly followed. These documents can be purchased separately from DMRC. The tenderers while quoting their rates must carefully consider all the requirements of these documents:

- General conditions of contract (Build Only & Part Design & Build)
- Conditions of contract on Safety, Health & Environment (SHE) Ver 1.2.

These documents will form an integral part of Contract Agreement also.

- 1.6 The contract shall be governed by the documents listed in para 1.3 above and CPWD specification 2009 may be purchased from the market.
- 1.7 The tenderer may obtain further information in respect of these tender documents from the office of General Manager (Civil), Delhi Metro Rail Corporation, 48, Geejgargh Vihar, Hawa Sadak, Jaipur – 302019 (Rajasthan).
- 1.8 All Tenderers are hereby cautioned that tenders containing any material deviation or reservations as described in Clause 24.0 of “Instructions to Tenderers” and/or minor deviation without quoting the cost of withdrawal shall be considered as non-responsive and shall be liable to be rejected.
- 1.9 DMRC reserves the right to accept or reject any or all proposals without assigning any reasons. No tenderer shall have any cause of action or claim against the DMRC for rejection of his proposal.
- 1.10 Late tenders (received after date and time of submission of bid) shall not be accepted under any circumstances**
- 1.11 Tenders shall be valid for a period of 120 days from the date of submission of Tenders and shall be accompanied with a tender security of the requisite amount as per form B in the form of a Bank Guarantee from Scheduled Commercial Bank in India.

**General Manager / Civil (Jaipur)
Delhi Metro Rail Corporation Ltd.**

SCOPE OF WORK

2.1 GENERAL

This Contract is for Design, Fabrication, Supply and Erection of Pre-Engineered Steel Buildings for MANSAROVAR DEPOT FOR EAST-WEST CORIDOOOR OF JAIPUR METRO PROJECT.

2.1.1 BRIEF SCOPE OF WORK

General

The work content in this contract generally consists of Pre- Engineered Steel Buildings Works for Mansarovar Depot in Jaipur. The Scope of work shall include:

- Main columns & bracings
- Eaves beams
- Roof purlins & cleats
- Purlin sag rods and struts
- Roof rafters
- Gantry grinders
- Truss bracings and runners
- Side cladding posts, runners & cleats
- Holding down bolts
- Workshop & Inspection bay platforms
- Track supporting columns in inspection bay
- Rain water gutters
- Profiled, galvanized pre-coated metal sheets for roof and side cladding with or without insulation as per drawings/ specifications.
- Profiled, U-V treated polycarbonate sheets for roof lighting
- Louvers with wide/ narrow slats

The following requirements are to be followed by the Contractor:

- a. All aspects of quality assurance, including procurement & testing of materials and other components of the work, as specified or as directed;
- b. Clearing of site and handing over of all the Works, as directed;
- c. Maintenance of the completed Work during the maintenance period.
- d. Submission of completion (i.e. 'as-built') drawings and other related documents as specified;
- e. Any other requirement to commission the Depot & Workshop at Mansarovar Depot for Jaipur Metro Project in all respects in accordance with the provisions of the Contract and/ or to ensure the structural stability and safety during and after construction.

2.1.2 Structural Works

The scope of works shall, inter-alia, include the following but not be limited to:

- A. Design of Pre-Engineered Buildings for workshop, inspection shed, Pit Wheel Lathe, Internal Cleaning Shed etc including sheeting, gutters, provision for EOT cranes and louvers. Design criteria and material specifications – for pre – engineered steel buildings are as per Annexure C of Special Specifications – Volume II of Tender documents. Tenderers are required to submit with technical bid the following details:
 - General arrangement drawing of all buildings showing all structural elements including bracing, sag rods etc.
 - Sizes of all major members including purlins and gantry girders.

- List of codes of standards in addition to those mentioned in specifications.
 - Basic design calculations establishing sizes of structural members.
- B. Preparation of complete detailed fabrication drawings based on the design drawings, required for all the permanent structures.
- C. Submission of revised design, with calculations and detailed fabrication drawings, in case any substitution of the designed sections is required.
- D. Procurement of raw materials for fabrication, taking into account wastage margin, including storage and upkeep of the materials.
- E. Providing all materials, labour, tools and plant and all consumable required for fabrication and supply of all necessary bolts, nuts, washers with necessary wastage margins.
- F. Fabrication of the steel works in accordance with the approved fabrication drawings, including all shop assembling, matching and marking. Design, manufacture/ fabrication and provision of all jigs, fixings, manipulators etc. required for the fabrication.
- G. Provision of shop and site painting to all fabricated steelwork, as per requirements of the related specification of the painting.
- H. Suitability marking, bundling and packing for transport of all fabricated materials.
- I. Preparing and furnishing detailed bill of materials, drawing Office dispatch lists, Bolts Lists and any other lists of bought out items required in connection with the fabrication of the structural steel work.
- J. Loading and transporting all fabricated steel work and field connection materials to site, un-loading at site, storage, guarding and up-keep of fabricated steelwork and other consumable materials and fasteners at site.
- K. All major modifications of the fabricated steel structures, as directed by the Engineer, including but not limited to the following:
- i) Removal of bends, kinks, twists etc. for parts damaged during transport and handling.
 - ii) Cutting, chipping, filling, grinding etc. if required for preparation and finishing of site connections.
 - iii) Reaming of holes for use of higher size bolt if required.
 - iv) Re-fabrication of parts damaged beyond repair during transport and handling or re-fabrication of parts which are incorrectly fabricated.

- v) Fabrication of parts omitted during fabrications by error, or subsequently found necessary.
 - vi) Drilling of holes which are either not drilled at all or are drilled in incorrect location during fabrication.
 - vii) Carry out tests in accordance with the related Specifications, which will be inspected by the Engineer or Authorized Inspecting Agency.
- L. Erection at site.
- 2.1.3 The work is to be constructed and maintained as per relevant Codes, Specifications, Special Specifications and drawings and/ or as directed by the Engineer.
- 2.1.4 The scope of works shall include but not limited to the following:
- a) Day to day cleaning of worksite throughout the execution period.
 - b) Cleaning of site and handing over of all the Works, as specified or as directed;
 - c) Maintenance of the completed Work during the period as specified.
 - d) Submission of completion (i.e. 'As Built') drawings and other related documents as specified.
- 2.1.5 The above details are not exhaustive. The contractor will also carry out any other item of work as may be required for completing the construction of elevated structure of specified length including all necessary interfaces works with Depot; E & M Works and system-wide Contractors in all respects in accordance with the provisions of the Contract and/ or to ensure the structural stability and safety during and after construction.
- 2.2 **Interface Work**
- i. In addition the Contractor shall be required to accommodate requirements of miscellaneous works as per interfacing requirements. The Contractor shall carry out necessary co-ordinations with Depot Civil works contractor, E & M Contractor and various system contractors pertaining to traction power supply, signaling, telecommunication, AFC etc. for keeping provisions pertaining to cut outs, shafts, raceways, concealed conduits, other conduits, fixtures, inserts clearances etc all complete for the scope of work. The contractor shall coordinate with Depot Civil works contractor for providing construction work so as to achieve the key dates in Clause 17 of SCC.
 - ii. Earthing and lighting protection wherever required.
 - iii. The track supporting structure will support ballasted track (long welded rail) which will be laid later by a separate contractor.

2.2.1 Interface with Architectural & Finishing Contractor:

Architectural finishing works of the depot are to be executed by the main civil work contractor. The contractor shall interface and co-ordinate with concerned Contractor regarding flooring, plastering, veneering, false ceiling, doors/windows, railing, rolling shutters, external cladding, site development works, plumbing & sanitary works.

2.2.2 Interface with E & M works:

E & M construction works of the depot are to be executed by a separate E&M contractor. The PEB (Pre-Engineered Steel Buildings) Contractor shall ensure efficient interface and Coordination with E & M Contractor concerning Electrical, Fire Fighting and Hydraulics works and over head cranes in various sections within the Depot etc. on site.

2.2.3 Interface with Elevator/ escalator contractor (if applicable)

- i. Provide Shaft structure
- ii. Provide lifting beams at the top of shafts and sumps in pits.
- iii. Provide Head room structure

2.2.4 Interface with Traction Power Supply Contractor

- i. PEB Contractor shall construct appropriate passages/ trenches, ducts, cable shaft and also keep provision of crossing of various cables in the depot along with walls, central column, under the platform in Interface with Power Supply Contractor.
- ii. PEB Contractor shall coordinate with Power Supply contractor in order to maintain specific Static and Dynamic clearances.

2.2.5 Interface with Plant & Machinery contractors

Plant & Machinery contractor will be installing various machines & equipment within depot. So provision for interfacing & co-ordination shall be required between Plant & Machinery contractor and Civil, E & M, Track, OHE, Signalling & Telecommunication etc. for designing, foundation and installation & commissioning of Plant & Machinery.

2.3 Structures

The construction of structures will have to be planned in such a manner that they do not obstruct or interface with existing roads/ railways and other utilities. Where work is required to be carried out at locations adjacent to such roads/ railways, utilities, structures, monuments etc. suitable safety and protection arrangements will have to be ensured for which nothing extra will be payable. It should be ensured that no damage is caused to any such element and Engineer/ Employer shall be indemnified against such damage at no extra cost.

2.4 Design criteria

The shop drawings should cover all the items pertaining to all temporary works required for fabrication, shop assembling and transportation scheme for various structural elements. The Contractor shall himself formulate a practical and viable scheme for fabrication of all structural members and erection scheme. The Tenderer should, along with the tender specify the scheme that he proposes to adopt for carrying out all the works including fabricating & transporting the same to site and erection scheme. Drawings furnished with the Tender Documents show the level of works based on preliminary design work. These may require change at the time of actual execution of works.

2.4.1 Reference to the Standard Codes of Practice

2.4.1.1 All Standards, Technical Specifications and Codes of practice referred to shall be latest editions including all applicable official amendments and revisions. The contractor shall make available at site all relevant Indian standard Codes of practice and IRCS & TRC Codes as applicable.

2.4.1.2 Wherever Indian Standards do not cover some particular aspects of design/construction, relevant British/German Standards will be referred to. The contractor shall make available at site such standard Codes of practice.

2.4.1.3 In case of discrepancy among Standard codes of practice, Technical Specifications and provisions in sub-clauses in this NIT, the order of precedence will be as below:

- i. Provision in N.I.T
- ii. Technical Specifications
- iii. CPWD Specifications
- v. Standard Codes of Practice

In case of discrepancy among Standard Codes of Practice, the order of precedence will be IRS, IRC, IS, BS, DIN.

2.4.2 Dimensions

2.4.2.1 As regards errors, omissions and discrepancies in Specifications and Drawings, relevant clause of Special Conditions of Contract will apply.

2.4.2.2 The levels, measurements and other information concerning the existing site as shown on the conceptual / layout drawings are believed to be correct, but the Contractor should verify them for himself and also examine the nature of the ground as no claim or allowance whatsoever will be entertained on account of any errors or omissions in the levels or strata turning out different from what is shown on the drawings.

2.5 Associated Works

Works to be performed shall also include all general works preparatory to the construction and works of any kind necessary for the due and satisfactory construction, completion and maintenance of the works to the intent and meaning of the drawings adopted and technical specifications, to best Engineering standards and orders that may be issued by the Engineer from time to time, compliance by the agency with all Conditions of Contract, supply of all materials, apparatus, plants, equipment, tools, fuel, water, strutting, timbering, transport, offices, stores, workshop, staff, labour and the provision of proper and sufficient protective works, temporary fencing, lighting and watching required for the safety of the public and protection of works on adjoining land; first-aid equipment, sanitary accommodation for the staff and workmen, effecting and maintenance of all insurances, the payment of all wages, salaries, fees, royalties, duties or the other charges arising out of the erection of works and the regular clearance of rubbish, clearing up, leaving the site perfect and tidy on completion.

2.6 Construction Depot

- i. No separate Construction Depot shall be provided by the Employer. The tenderers will have to suitably utilize the land provided for this work.
- ii. This land shall be made good for such offsite activities as needed by the contractor at no extra cost to the employer. The land shall be cleared from debris all structures made by the contractor including, RCC footings and rafts etc. before handing over back to the Employer and final bill shall be released to the contractor after all structures from the construction depot are removed.

2.7 Time Schedule

The agency shall submit with the tender "Time Schedule" for completion of various portions of works. This schedule is to be within the overall completion period of 8 Months (Eight months). The detailed programme in the form of a quantified bar chart or CPM network shall include all activities from start to completion.

2.8 The Labour Welfare Fund will be created jointly by DMRC and the Contractors. The contractor shall remit a minimum amount of Rs 1-lakh against every case of death or total incapacitation and DMRC would also contribute a matching amount. DMRC labour welfare fund rules with objectives are enclosed as Annexure A. This is in addition to compensation to be paid by the contractor in accordance with the workman's compensation Act as mentioned in clause 47 of General conditions of contract.

2.9 The tender price as mentioned in Clause 10.0 of ITT shall include all the above listed items in the scope of the work (Clause 2.1 to 2.10).

2.10 Inspection

DMRC may appoint an independent agency to ensure the quality checking of design, supply, fabrication and erection of structural steel structures. The contractor shall ensure the complete co-operation with the agency to perform their work satisfactorily. In addition DMRC also reserves right to undertake quality check and inspection directly by itself.

SECTION 3**TENDER PRICES AND****SCHEDULE OF PAYMENT****3.1 Tender Prices**

- 3.1.1 a. Unless explicitly stated otherwise in the Tender Documents, the contract shall be for the whole works, based on the Bill of Quantities and payment shall be as per accepted rates of Contract for the items completed as certified by the Engineer.
- b. All duties, taxes, fees, octroi and other levies, except Rajasthan VAT and Entry Tax which are exempted, are payable by the Contractor under the Contract shall be included in the total Contract Price submitted by the Tenderer and the evaluation and comparison of Tenders by the Employer shall be made accordingly.
- c. No price adjustment during the performance of contract shall be applicable as per the provision of 66.0 and 67.0 of General Conditions of Contract.
- 3.1.2 The prices and measurements referred to will be based on actual measurements.
- (i) Other items if specifically mentioned in priced bill of Quantities.
- 3.1.3 Payment Terms
- A) Advance** - Advance as indicated in Clause 75.0 of GCC and Clause 49.0 of SCC are not payable.
- B) Stage Payment for item 1 of BOQ:**
- (i) Procurement & testing of steel quantities on receipt in fabrication workshop against documentary evidence of purchase from approved supplier subject to a maximum of quantities as indicated in approved fabrication drawing and also as indicated in schedule. **45% of BOQ item rate.**
- (ii) On completion of fabrication of steel work quantities and testing of fabricated members including painting as per specifications and its approval by Engineer In charge. **25% of BOQ item rate.**

(iii) On transportation and receipt of fabricated material in good condition at site in Delhi, approval of Engineer In charge regarding physical receipt of fabricated materials in good condition. **10% of BOQ item rate.**

(iv) Final erection of the pre engineered steel buildings at designated site location in all respects by the contractor and aligning them in proper position over the respective supports and its approval by the engineer in charge. **Balance 20% of BOQ item rate.**

- The payment for items (i) & (ii) above shall be against the Bank Guarantee duly executed in a form acceptable to the employer for an amount equivalent to the payment. The payment for item (iii) shall be against an indemnity bond duly executed in a form acceptable to the Employer.
- The Bank Guarantee shall be initially be valid for a minimum six months. It should be subsequently extended from time to time depending upon the progress of work.
- The Bank Guarantee shall be released to the extent to the fabricated material reaches DMRC's site on completion of activity (iii) in good condition and certified by Engineer Incharge to this effect.

C) Payment for items other than item no. 1 of BOQ:

For items other than item no. 1 of BOQ, payment shall be based on completed quantities as per the unit rate quoted by the tenderer for the respective items.

SECTION 4**SITE INFORMATION****4.1 Work Site**

4.1.1 The project site is located at Jaipur, Rajasthan. The location of the work and the general site particulars are shown in the General Arrangements Drawings enclosed in the tender drawings.

The Pre-Engineered Steel Buildings covered under this work are in Mansarovar Depot located in Jaipur on East-West Corridor of Jaipur Metro Rail Project, Phase- I.

4.1.2 The contractor shall plan his works keeping in view restriction of approach and availability of space and time.

4.2 GENERAL CLIMATIC CONDITIONS

4.2.1 The recorded highest and lowest temperatures in the past 10 years are:

Summers: Max 45.8 degree Celsius and Min. 25.8 degree Celsius.

Winters : Max 22 degree Celsius and Min. 5 degree Celsius.

4.2.2 Summer season is from April to June and winter season is from November to March.

4.2.3 Mean average annual rainfall in the area over a five-year period is of the order of 430 mm, varying from a minimum of 29.8 CM and a maximum of 58.5CM. a good portion of which is concentrated during last week of June to mid September, when about 75% of the annual rainfall occurs.

4.2.4 Wind : Summers are generally windy generally of the order of 12 to 18 KMPH and isolated wind storms reaching speeds of the order of 90KMH.

4.3 Seismic Zone

Jaipur falls in Seismic Zone II.

ANNEXURE-1**WORK EXPERIENCE****NAME OF THE TENDERER (CONSTITUENT MEMBER IN CASE OF JV/CONSORTIUM) :**

1. Name of work	
2. Agreement / contract No.	
3. Client	
4. Scope / Nature of work	
5. Date of start	
6. Stipulated date of completion	
7. Actual date of completion	
8. Total value of work done on completion (up to 30.09.2010 in case of works in progress)	
9. Value of work done of component of similar work i.e. “Building works in multi storeyed R.C.C framed structure including site development works”	
10. Ref to client's completion certificate	

NOTE:

1. Separate Performa shall be used for each work. Details of only similar works prescribed in the minimum eligibility criteria shall be submitted.
2. Only the value of contract as executed by the tenderer / member of the JV/Consortium in his own name should be indicated. Where a work is undertaken by a group, the portion of the contract which is undertaken by the tenderer / member of JV/Consortium should be indicated and the remaining done by the other members of the group be excluded while filling the item no. 9 & 10.
3. All the details should be supported by documentary proof e.g. completion certificates from client and concerned Consultant/Architect otherwise it will not be considered.
4. ***In case the work is executed for private client, copy of the contract entered into with the private party/ contractor, bill of quantities ordered and for which payment has been received duly certified by C.A., T.D.S certificates issued by the client for payments made for such contract and copy of final/last bill paid for such contract shall be submitted.***

ANNEXURE- 2**FINANCIAL DATA**
(FINANCIAL STANDING)**NAME OF THE TENDERER (CONSTITUENT MEMBER IN CASE OF JV/CONSORTIUM) :***(ALL AMOUNTS IN RUPEES)*

S. No.	Description	Financial Data for Latest Last 3 Audited Financial Years			
		Year 2006-07	Year 2007-08	Year 2008-09	Year 2009-10
1.	Total Assets				
2.	Current Assets				
3.	Total Liabilities				
4.	Current Liabilities				
5.	Profits Before Taxes				
6.	Profits After Taxes				
7.	Net Worth [= 1 - 3]				
8.	Working Capital[=2 - 4]				
9.	Annual Turnover				

NOTE:

1. Separate Performa shall be used for each member in case of JV/Consortium.
2. Attach copies of the audited balance sheets, including all related notes, income statements for the last three audited financial years, as indicated above.
3. All such documents reflect the financial data of the tenderer or member in case of JV/Consortium, and not that of sister or parent company.
4. The financial data in above prescribed format shall be certified by Chartered Accountant / Company Auditor under his signature & stamp.

ANNEXURE- 3A**FINANCIAL DATA**

(CONSTRUCTION WORK DONE DURING THE LAST FIVE FINANCIAL YEARS)

NAME OF THE TENDERER (CONSTITUENT MEMBER IN CASE OF JV/CONSORTIUM) :

(All amounts in Rupees in Crores)

S. No.	DESCRIPTION	Financial Data for Latest Last 5 Audited Financial Years					
		Year 2004-05	Year 2005-06	Year 2006-07	Year 2007-08	Year 2008-09	Year 2009-10
1	2	3	4	5	6	7	8
	Total value of construction work done as per audited financial statements						

NOTE:

1. Separate Performa shall be used for each member in case of JV/Consortium.
2. Attach attested copies of the Audited Financial Statements of the last five financial years as Annexure.
3. All such documents reflect the financial data of the tenderer or member in case of JV/Consortium, and not that of sister or parent company.
4. The financial data in above prescribed format shall be certified by Chartered Accountant / Company Auditor under his signature & stamp.
5. The above financial data will be updated to 31.03.2010 price level assuming 5% inflation for Indian Rupees every year and 2% for foreign currency portions per year.

ANNEXURE- 3B

FINANCIAL DATA

(EXISTING COMMITMENTS FOR ON-GOING CONSTRUCTION WORKS)

NAME OF THE TENDERER (CONSTITUENT MEMBER IN CASE OF JV/CONSORTIUM) :

(All amounts in Rupees in Crores)

Name and brief particulars of contracts for ongoing construction works	Contract Value	Value of balance work yet to be done (as on 30.09.2010)	Estimated Completion Date	Value of existing commitments for on-going construction works during period 18 months w.e.f. 01.09.2010.	
				2010-11 <i>(1st Oct.'10 to 31st Mar'11)</i>	2011-12 <i>(1st Apr'11 to 31st March'12)</i>
1	2	3	4	5	6
TOTAL (FOR ALL ONGOING WORKS)					
<p>NOTE:</p> <ol style="list-style-type: none"> 1. Separate Performa shall be used for each member in case of JV/Consortium. 2. Tenderer or member in case of JV/Consortium should provide information on their current commitments for all contracts that have been awarded or for which a letter of intent or acceptance has been received or for contracts approaching completion but for which a completion certificate is yet to be issued even if completion of such works spills over beyond completion period of this contract. 3. The financial data in above prescribed format shall be certified by Chartered Accountant / Company Auditor under his signature & stamp. 					

ANNEXURE- 4

UNDERTAKING FOR NOT BLACKLISTED

We do hereby undertake that we have not been blacklisted or deregistered by any central / state government department or public sector undertaking and also that none of our work was rescinded by the client after award of contract during last 10 years.

STAMP & SIGNATURE OF AUTHORIZED SIGNATORY

NOTE:

1. In case of JV/Consortium, the undertaking shall be submitted by each member of the JV/Consortium.
2. The undertaking shall be signed by authorized signatory of the tenderer or constituent member in case of JV/Consortium.

ANNEXURE- 5

UNDERTAKING FOR CORRUPT & FRAUDULANT PRACTICE

It is confirmed and declared that we, or any of our associate, have not been engaged in any fraudulent and corrupt practice as defined in Clause 5.0 of the General Conditions of Contract and that no agent, middleman or any intermediary has been, or will be, engaged to provide any services, or any other items of work related to the award and performance of this contract

STAMP & SIGNATURE OF AUTHORIZED SIGNATORY

NOTE:

1. In case of JV/Consortium, the undertaking shall be submitted by each member of the JV/Consortium.
2. The undertaking shall be signed by authorized signatory of the tenderer or constituent member in case of JV/Consortium.