

## **NOTICE INVITING TENDER (NIT)**

### **(e-Tender)**

#### **1.1 GENERAL**

##### **1.1.1 Name of Work and Details:**

The Delhi Metro Rail Corporation Ltd. (DMRC) has been authorized by Noida Metro Rail Corporation (NMRC) to proceed with the implementation of Metro Rail System for Noida - Greater Noida Corridor. The Noida Metro Rail project will be financed by Government of India and Government of Uttar Pradesh.

Delhi Metro Rail Corporation (DMRC) Ltd. invites open e-tenders from eligible applicants, who fulfil the “Qualification Criteria” as stipulated in Clause 1.1.4 of NIT, for the work of “**Contract NS-01: Design, Manufacture, Supply, Installation, Testing and Commissioning of Train Control, Signalling and Telecommunication Systems, Supply of Spares and Training of Operation & Maintenance personnel for Noida – Greater Noida Metro Project.**”

#### **(i) Brief Description of Works**

- (a) Noida - Greater Noida Corridor of the Noida Metro Rail Project has a total length of 28.806 kms between Center Lines of end stations (30 kms (approx.) between dead ends) fully constructed on elevated viaduct with 21 elevated stations excluding one future station.

**Details of Stations are listed below:**

<b>S. No.</b>	<b>NAME OF STATION</b>
1	Sector – 71
2	Sector – 50
3	Sector – 78
4	Sector – 101
5	Sector – 81
6	Dadri Road
7	Sector – 83
8	Sector – 137
9	Sector – 142
10	Sector – 134
11	Sector – 144
12	Sector – 147
13	Sector – 153
14	Sector – 149
15	Knowledge Park II
16	Knowledge Park I
17	Pari Chowk
18	Alpha 1
19	Alpha 2
20	Delta 1
21	Depot Station

- (b)** The tender documents issued by DMRC for the contract, on behalf of NMRC, will include Employer's Requirement of Technical Specifications for Design and Construction of the Signalling & Train control system and Telecommunication system including requirements for transfer of technology for system assembly, installation, maintenance and software customization/ modification in a defined time frame. This will principally cover performance, but will provide technical requirements in sufficient depth to eliminate undesirable features.
- (c)** The Train Control system will be based on Communication Based Train Control (CBTC) implementing moving block for default operation. The system will have degraded modes of operation to take care of failure scenarios. Signalling and Train control system will provide for train detection, following train protection, interlocking logic, and on-board safety functions such as detection of door opening and over-speed enforcement etc. Signalling & Train control apparatus on-board the rolling stock will be procured under this contract.
- (d)** The successful Tenderer will be co-coordinating all interfaces between the systems he is offering, all other packages awarded to other contractors which impinge upon his design – e.g. Rolling Stock, fixed structures, track, station buildings and platforms, current distribution and collection equipment, maintenance management information system, etc. DMRC/NMRC will supervise the coordination between the NS01 contractor and other designated contractors. However, the NS01 Contractor will allow for liaison with, and modifications to his design to cater for the work of such other Contractors.
- (e)** The successful Tenderer will also be required to provide sufficient technical data (dimensions, weight and mounting details) including maintenance schedules, inspection/ repair procedures and machinery / plant required of all equipment for all sub-systems and cabling/ earthing details, etc., to enable other project contractors to proceed in parallel with their design and development.
- (f)** DMRC and NMRC are keen to ensure the most economic whole life costs for the railway. Safety worthiness of the Signalling & Train Control System will be evaluated by Commissioner of Metro Railway Safety under Ministry of Civil Aviation, Government of India. The Contractor should be in a position to provide necessary support (have experts with adequate knowledge and experience, qualification, assessment, and to submit such documentation as required) to assist DMRC and NMRC for effective interaction with Indian authorities viz. Ministry of Railways, RDSO and Commissioner of Metro Railway Safety.
- (g)** The successful Tenderer may be required to execute the maintenance (after completion of Defect Liability Period (DLP)) in the initial operating stages up to 5 years on mutually agreed terms.
- (h)** The officers / agencies nominated by DMRC from time to time will supervise the work of the Contractor as the "Engineer" on behalf of NMRC.
- (i)** DMRC's or its authorized representative will monitor the design activities of the Signalling & Train Control & Telecommunication system Contract, as the Employer's Engineer.
- (j)** DMRC may engage services of a Consultant for assisting in evaluation of Pre-qualification and tender who may also assist in supervising the activities of the Design and Construction work.
- (k)** International Applicants may be required to arrange for transfer of technology for system assembly, installation and commissioning and software customization/ modification within a defined time frame with an Indian partner approved by DMRC. For this purpose the applicant may associate with local contractors experienced in requisite disciplines. This aspect will need to be reflected in the Indian Rupee portion of the bid.
- (l)** The work will include detailed design, manufacture, supply, installation, operating and maintenance manual preparation, training of maintenance/ operation personnel, testing and commissioning of the Signalling & Train Control system and the Telecommunication sub-systems including their integration for above corridor.

**(m)** The work will include two distinct and major portions, namely,

- i) Signalling & Train control systems and
- ii) Telecommunication sub-systems

In addition, the NS01 Contract shall also include provision of suitable Uninterrupted Power Supply (UPS) system to cater the loads of Signalling & Telecommunication systems including the Automatic Fare Control System (AFC) to be provided at stations. The Signalling & Train Control portion of the contract will include works in the Operations Control Centre (OCC), stations, Depot, wayside and on-board equipment for Automatic Train Protection (ATP), Automatic Train Operation (ATO) and Automatic Train Supervision (ATS).

- (n)** The CATC (Continuous Automatic Train Control) system will be based on CBTC (Communication Based Train Control), implementing moving block for default operation and degraded operation with line side signals.
- (o)** ATS system will provide automatic routing control, monitoring of train operations, and optimization of such train operating parameters as dwell time at stations and coasting strategies.
- (p)** The NS01 Contractor will be required to interface closely with the Rolling Stock, Civil, Track work, Traction & other Contractors who will be constructing station buildings and providing other systems. The S&T contractor will supply and supervise installation of on-board signal ATP equipment and telecom equipment including TETRA trans-receiver as required at the Rolling Stock Manufacturer's facility prior to delivery of the Rolling Stock.
- (q)** The Signalling & Train control system will use separate radio equipment for the CBTC, axle counters, computer based interlocking, electrically operated switches on the main lines, stabling and depot areas, cab signals, line-side signals at each station and in the depot etc as necessary for complete system operation.
- (r)** The Telecommunication segment of the contract shall cover all the telecom sub-systems required by a modern Metro Rail network such as OFC backbone network, Train radio communication based on TETRA, CCTV surveillance system, Access control, Public Announcement and Passenger Information Display systems at Stations, Operational & Administrative telephone systems, Master Clock System, Gigabit Ethernet LAN system for use of various applications, Voice Recording systems, Train to way side video transmission system and software integration of all these systems for monitoring and operations with suitable MMI consoles to be provided at OCC/BCC as well as at Station Control Rooms. The OFC backbone shall also cater to the needs of the Signalling & Train Control System.
- (s)** The UPS portion of the contract is for the supply of a system specially designed to cater to the stringent requirements of telecommunication as well as the CBTC systems duly taking the AC input from the station auxiliary supply derived from the commercial supply of State Electricity Board and providing the required voltages to the various Signalling, ATC, Telecommunication as well as the AFC systems.
- (t)** The Tenderer will be required to set up a Design/ Project sub-office in Noida / Greater Noida to enable their design development to be monitored and checked by DMRC.
- (u)** The design, installation, testing and commissioning of CBTC based Train control system as well as Telecom systems of this magnitude is a complex work. It is essential that the requisite qualifications, experience and capability for designing and executing these items of work are readily available. Hence it is necessary that the lead member of the consortium shall supply and commission the CBTC based CATC system and if need be, they may form Consortium or joint venture with a telecom vendor and others as required whereby all the members of the Consortium / Joint venture are jointly and severally liable for the whole performance of the contract.

1.1.2 **Key Details:**

Approximate cost of Work	INR 312.0 crore
Tender Security amount	<b>INR 3.12 crore</b> Tender Security (in original) as per clause C18 of ITT shall be accepted only <b>up to 1500 hrs</b> on <b>30.06.2015</b> in the office of Executive Director/Contracts at following address.
Revenue Operation Date (ROD) and Completion period of the Work	Revenue Operation Date (ROD): 31.12.2017. The Works shall be completed 2 weeks before ROD from date of Notice to Proceed (NTP) as stipulated in Letter of Acceptance (LOA). (Approximate duration for issuing LOA from the date of submission of tender is expected to be 4 to 6 months)
Tender documents on sale	<b>From 18.05.2015 to 30.06.2015</b> (up to 1100 hrs) on e-tendering website <a href="http://www.tenderwizard.com/DMRC">www.tenderwizard.com/DMRC</a> Tender document can only be obtained online after registration of tenderer on the website <a href="http://www.tenderwizard.com/DMRC">www.tenderwizard.com/DMRC</a> . For further information in this regard bidders are advised to contact on 011-49424307, 011-49424365 or 011-23417910
Cost of Tender documents	<b>INR 21,000/-</b> (inclusive of 5% VAT)–Non refundable. (Demand Draft /Banker's cheque drawn on a Scheduled Commercial Bank based in India and should be in favour of "Delhi Metro Rail Corporation Ltd" payable at New Delhi) Cost of tender documents i.e. D.D. / Banker's cheque, in original, shall be accepted only <b>up to 1500 hrs</b> on <b>30.06.2015</b> in the office of Executive Director/Contracts at following address.
Last date of Seeking Clarification	05.06.2015 up to 1730 hrs. Queries/clarifications from bidders after due date and time shall not be acknowledged.
Pre-bid Meeting	05.06.2015 at 1100 hrs
Last date of issuing addendum	15.06.2015
Date & time of Submission of Tender online	30.06.2015 (up to 1500 hrs)
Date & time of opening of Tender online	30.06.2015 at 1505 hrs

<ul style="list-style-type: none"> <li>• Authority for purchase of tender documents, seeking clarifications and submission of completed tender documents</li> <li>• Place of pre-bid meeting</li> </ul>	<p><b>Executive Director/Contracts</b></p> <p>Delhi Metro Rail Corporation, 5<sup>th</sup> floor, A-Wing, Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi –110 001</p>
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1.1.3 **Source of Funds:** This work shall be done under Noida – Greater Noida Metro project and shall be financed through appropriate means of Delhi Metro Rail Corporation Ltd.

1.1.4 **QUALIFICATION CRITERIA :**

1.1.4.1 **(a) Eligible Applicants :**

- i) The tenders for this work 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 1.1.4 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 Tenderer may be from any country either as a single entity or any combination of entities in the form of a Joint Venture (JV) or Consortium under an existing agreement. In the case of a JV / Consortium, all partners shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms and the JV or Consortium shall nominate a representative who shall have the authority to conduct all business for and on behalf of any and all the partners of the JV / Consortium during the tendering process and, in the event the JV or consortium is awarded the Contract, during contract execution.
- iii) Signal and Train Control Equipment namely, CBI and ATP shall be from same OEM or OEMs under same parent company. Also, the Telecom System Integrator should be part of the JV or Consortium and not a sub-contractor. Individual telecom sub-systems (supply portion) may be sub-contracted but the overall responsibility for the systems including the system and software integration of all the telecom sub-systems will vest with the telecom partner of the JV / Consortium who should have necessary expertise for the same.
- iv) In case of JV / Consortium, 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 the tender and that, in the event of award of works, they agree to be jointly and severally liable to DMRC. 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 shall be submitted. International contractors who are considering forming joint ventures, partnerships or consortia for the purpose of applying for the tender, are encouraged to involve suitable local partners.
- v) A Tenderer and all partners constituting the Tenderer shall not have a conflict of interest. All Tenderers found to have a conflict of interest shall be disqualified. A Tenderer may be considered to have a conflict of interest with one or more parties in this tendering process, if:
  - (a) A Tenderer and any partner constituting the Tenderer has been engaged by the Employer to provide consulting services for the preparation related to procurement for or implementation of the project;
  - (b) A Tenderer and any partners constituting the Tenderer is any associates/affiliates (inclusive of parent firms) mentioned in subparagraph (a) above; or
  - (c) A Tenderer and any partner constituting the Tenderer 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, if the personnel would be involved in any capacity on the same project.

- vi) A Tenderer shall submit only one tender in the same tendering process, either individually as a Tenderer or as a partner of a JV or consortium. A Tenderer who submits or participates in, more than one tender will cause all of the proposals in which the Tenderer has participated to be disqualified. No Applicant can be a subcontractor while applying for the tender individually or as a partner of a JV/Consortium in the same tendering process. A subcontractor in any tender may participate in more than one tender, but only in that capacity.
- vii) A firm, who has purchased the tender document in their name, can submit the tender either as individual firm or in Joint Venture (JV) or consortium.
- viii) Any Central / State Government department, Public Sector Undertaking or DMRC or other Govt. entities or local body must not have banned business with the tenderer (any member in case of JV or consortium) as on the date of tender submission. Also no work of the tenderer must have been rescinded / terminated by DMRC after award of contract during last 5 years due to non-performance of the tenderer. The tenderer should submit undertaking to this effect in **Appendix-10** of Form of Tender (FOT).
- ix) **Lead partner / Non-substantial partner / Change in JV / Consortium**
  - (a) Lead partner must have a minimum of 26% participation in the JV / Consortium.
  - (b) Each Partner shall have minimum 26% participation. Partners having less than 26% participation will be termed as non-substantial partner and will not be considered for evaluation which means that their financial soundness and work experience shall not be considered for evaluation of JV / Consortium except to the extent brought out in Note (i) of Clause 1.1.4.2 (II) (A). Thus, all the requirements of clause 1.1.4.2 to 1.1.4.3 shall be met by substantial partners only.
  - (c) All members combined shall meet 100% requirement.
  - (d) In case of JV / Consortium, change in constitution or percentage participation shall not be permitted at any stage after their submission of application otherwise the applicant shall be treated as non-responsive. Lead partner shall be one of the substantial partners based on whose strength work experience is accounted for in meeting the criteria of Clause 1.1.4.2 (II) (A).
- x) **JV/Consortium: Consequences for deviation from JV/MOU**

The tenderer, in case of JV/Consortium, shall clearly and unambiguously define the role and responsibilities for each substantial/non-substantial partner in the JV/ MOU submitted vide foot note (d) of Appendix 6 of Form of Tender, providing clearly that any abrogation/subsequent re-assignment of any responsibility by any substantive/non-substantive partner of JV/Consortium in favour of other JV/Consortium partner (without written approval of Employer) or any change in constitution of partners of JV/Consortium from the one given in JV/MOU at tender stage, will be treated, as 'breach of contract condition' and/or 'misrepresentation of facts' (as the case may be), vide GCC clause 4.33.1 [a (ii) and (iii)] and acted accordingly.

The Employer in such cases, may in its sole discretion rescind the contract under clause 4.33.1(b) and/or take appropriate action against any member(s) under clause 4.33.1(c) of GCC for failure in tender obligation to declare a contractor ineligible for award of any tender in DMRC or take action to terminate the contract in part or whole under clause 13 of GCC as the situation may demand and recover the cost/damages as provided in contract besides forfeiting the performance and other guaranties.
- xi) A Tenderer and all partners constituting the Tenderer shall confirm non-performance of a contract did not occur within the last two (2) years prior to the deadline for application submission based on all information on fully settled disputes or litigation. A fully settled dispute or litigation is one that has been resolved in accordance with the Dispute Resolution Mechanism under the

respective contract and where all appeal instances available to the Applicant have been exhausted. The tenderer shall submit **Annexure-6** of NIT in this regard.

- b) Initial Filter Criteria:** The tenders for this work will be considered only from those tenderers (proprietorship firms, partnerships firms, companies, corporations, consortia or joint ventures) who qualify the Initial Filter Criteria given in **Annexure-1** of NIT. The applicants who do not pass these criteria will not be evaluated further and stand rejected.

**1.1.4.2 Minimum Eligibility Criteria:**

**(I) (A) Work Experience Requirements for Train Control and Signalling Systems:**

The applicant (or the concerned member of JV/Consortium) should have successfully carried out the following work(s) in the last 10 (TEN) years ending **31.05.2015**, as given below:

- (i)** At least one work of **supply and commissioning of Signalling & Train Control system using radio based CBTC with moving block including CBI & ATP subsystem** in Metro Rail of value not less than **INR 155.92 crore**.

**OR**

At least two works, each of **supply and commissioning of Signalling & Train Control system using radio based CBTC with moving block including CBI & ATP subsystem** in Metro Rail of value not less than **INR 97.45 crore**.

**OR**

At least three works, each of **supply and commissioning of Signalling & Train Control system using radio based CBTC with moving block including CBI & ATP subsystem** in Metro Rail of value not less than **INR 77.96 crore**.

- (ii)** At least two CATC works (out of which at least one CBTC) shall be outside the country of origin.
- (iii)** In the above CBTC work(s) under Clause 1.1.4.2 (I) (A) (i), CBI & ATP subsystem shall be from OEMs under same parent company. Applicant must have experience of integration of all major subsystems (Interlocking, ATP, ATS and Radio) in a CBTC project.

Applicant must have experience of integration of all subsystems (Signalling, PIDS, PAS, TVS, Rolling stock, Telecommunication, Track, Traction) in at least one CBTC work out of the work(s) submitted in support of work experience under Clause 1.1.4.2 (I) (A) (i) above.

**AND**

**(B) Work Experience Requirements for Telecommunication Systems:**

The applicant (or the concerned member of JV/Consortium) should have successfully carried out the following work(s) in the last 10 (TEN) years ending **31.05.2015**, as given below:

At least one work of **Design, Supply, Installation, Testing and commissioning of Telecommunication Systems** of value of minimum **INR 94.0 crore or over a set of at least 17 stations**.

If above work of INR 94.0 crores has been done by a foreign bidder or foreign partner of JV/consortium and the work was done in the country of a foreign bidder or foreign partner then in addition to this, the foreign partner must have done works costing INR 47.0 crores outside the country of the foreign partner.

**OR**

At least two works, each of **Design, Supply, Installation, Testing and commissioning of Telecommunication Systems** of value of minimum **INR 58.75 crore or over a set of at least 11 stations**.

If above two works each of INR 58.75 crore have been done by a foreign bidder or foreign partner of JV/consortium and the work was done in the country of a foreign bidder or foreign partner then in addition to this, the foreign partner must have done works costing INR 47.0 crore or more outside the country of the foreign partner.

**OR**

At least three works, each of **Design, Supply, Installation, Testing and commissioning of Telecommunication Systems** of value of minimum **INR 47.0 crore or over a set of at least 09 stations**.

If above three works each of INR 47.0 crores have been done by a foreign bidder or foreign partner of JV/consortium and the work was done in the country of a foreign bidder or foreign partner then in addition to this, the foreign partner must have done works costing INR 47.0 crores or more outside the country of the foreign partner.

**Notes:**

- i. In case the experience of successfully completing the work(s) is not met fully by substantial member of JV/Consortium, then the JV/Consortium should include a member having percentage participation not less than 5% who should meet that part of experience criteria (which is not met by substantial partner).
- ii. The tenderer shall mention the name of the projects to be used for each of **Clause 1.1.4.2 (II) A** along with documentary evidence in the form of client certificate(s).
- iii. The tenderer shall submit details of work executed by them in the Performa of **Annexure-2 and Annexure 2A of NIT** 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 work order, bill of quantities, bill wise details of payment received certified by C.A., T.D.S certificates for all payments received and copy of final/last bill paid by client shall also be submitted.
- iv. Value of successfully completed portion of any on-going work up to **31.5.2015** will also be considered for qualification of work experience criteria.
- v. For completed works, value of work done shall be updated to **31.05.2015** price level assuming 5% inflation for Indian Rupees every year and 2% for foreign currency portions per year. **The exchange rate of foreign currency shall be applicable 28 days before the submission date of tender.**
- vi. In case of joint venture / Consortium, full value of the work, if done by the same joint venture shall be considered. However, if the qualifying work(s) were done by them in JV/Consortium having different constituents, then the value of work as per their percentage participation in such JV/Consortium shall be considered.



**(C) Length of Time in Business**

This will be evaluated based on information provided in **Annexure-2A of NIT** and at **S. No. 15 of Proforma Section 3 given in NIT**. In case of JV/Consortium formation, at least one of the substantial members should be in business for minimum 10 years.

**Requirement: 10 years (minimum).**

**(II) Financial Standing:** The Tenderers will be qualified only if they have minimum financial capabilities as below:

**T1 – Liquidity**

It is necessary that the firm can withstand cash flow that the contract will require until payments received from the Employer. Liquidity therefore becomes an important consideration. This shall be seen from the balance sheets and/or from the banking reference. Net current assets and/or documents including banking reference, should show that the applicant has access to or has available liquid assets, lines of credit and other financial means to meet cash flow of **INR 19.13 crores** for this contract.

- (a) **The liquidity shall be ascertained from Net Working Capital {Current Assets – (current liabilities + provisions)} as per latest audited balance sheet and/or from the Banking reference(s).**
- (b) Banking reference(s) (as per format given in **Annexure-4** of NIT) should contain in clear terms the amount that the Bank will be in a position to lend for this work to the applicant/member of the Joint Venture / Consortium. In case the Net Working Capital (as seen from the Balance Sheet) is negative, only the Banking reference(s) will be considered, otherwise the aggregate of the Net Working Capital and submitted Banking reference(s) will be considered for working out the Liquidity.
- (c) The Banking references in the prescribed format should be from a Scheduled Bank in India or from an International Bank of repute (in case of foreign vendors) and it should not be more than 03 months old as on the date of submission of bids.
- (d) In Case of JV / Consortium: - Requirement of working capital is to be distributed between members as per their percentage participation and every member should satisfy the requirement for his portion.  
*Example:* Let member-1 has percentage participation=M and member-2 has percentage participation = N. If minimum working capital required is 'W' then working capital of member-1  $\geq \frac{WM}{100}$  and working capital of member-2  $\geq \frac{WN}{100}$ .
- (e) In case the applicant is a Joint Venture / Consortium and if Banking Reference is issued by the bank in favour of the Joint Venture / Consortium for this contract, then it will be considered for the tenderer and if the Banking reference(s) is issued in favour of any member of JV / Consortium, it will be considered only for that member.

**T2: Net worth**

- i) Net worth of tenderer during last audited financial year should be  $\geq$  **26.78 crore**.
- ii) In case of joint venture /Consortium, Net worth will be based on the percentage participation of each Member.

Example: Let Member-1 has percentage participation = M and Member-2 has =N. Let the Net worth of Member-1 is A and that of Member-2 is B, then the Net worth of JV will be

$$= \frac{AM+BN}{100}$$

### **T3: Average Annual Turnover**

This shows the Annual Turnover for sales from Principle activities (Principle activities mean Core business of member) of the Applicant / JV for the last five years. This Financial data shall be submitted by the tenderer in **Annexure-3 of NIT**.

- i) Average of last five years of Annual Turnover for sales from Principle activities as above will be considered for evaluation.
- ii) The average annual turnover of last five years should be  $\geq$  **107.11 crore**.

In case of Joint venture /consortium, the average annual turnover of JV will be based on percentage participation of each member.

Example: Let Member-1 has percentage participation = M and Member-2 has =N. Let the Net worth of Member-1 is A and that of Member-2 is B, then the Net worth of JV will be

$$= \frac{AM+BN}{100}$$

### **T4: Profitability**

- i) The criteria to be used will be annual profit before tax.
- ii) The profitability for last five financial years will be arrived at from the audited annual accounts / Balance sheets

In case of joint Venture/Consortium, profitability of only lead member will be considered for evaluation of this item.

**Requirement:** Profit before Tax should be **Positive in at least 2 (two) years out of 5 years**

### **Notes:**

- Foreign Applicants, in whose country calendar year is also the financial year, may submit all relevant data for the last 5 years i.e. 2009, 2010, 2011, 2012 and 2013.
- All the above-mentioned financial data will be taken from the audited balance sheets for last five years. All financial data in the prescribed format shall be certified by Chartered Accountant in original along with his signature, seal & membership number.
- Financial data for latest last five audited financial years has to be submitted by the tenderer in **Annexure-3 of NIT** along with complete audited balance sheets. The financial data in the prescribed format shall be certified by Chartered Accountant with his stamp and signature in original with membership number.
- In case audited balance sheet of the last financial year is not made available by the bidder, then an affidavit certifying that 'the balance sheet has actually not been audited so far' has to be submitted by the tenderer. In such a case the financial data of previous '4' audited financial years will be taken into consideration for evaluation. If Audited Balance Sheet of any other year than the last Financial Year is not submitted, the application may be considered as non-responsive.
- Where a work is undertaken by a group, only that portion of the contract which is undertaken by the concerned applicant/member should be indicated and the remaining done by the other members of the group be excluded. This is to be substantiated with documentary evidence.

#### 1.1.4.3 Bid Capacity Criteria :

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:

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

Where,

A = Maximum of the value of works executed in any one year during the last five financial years (updated to **31.05.2015** 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 31.10.2014**) for on-going works during period of **28 months w.e.f. 01.06.2015**

#### **Notes:**

- Financial data for latest last five financial years has to be submitted by the tenderer in **Annexure-3A** of NIT along with audited financial statements. The financial data in the prescribed format shall be certified by the Chartered Accountant in original with his stamp and signature.
- Value of existing commitments for current commitments **w.e.f. 01.06.2015** has to be submitted by the tenderer in **Annexure-3B** of NIT. These data shall be certified by the Chartered Accountant in original with his stamp and signature.
- In the case of a group, the above formula will be applied to each member to the extent of his proposed participation in the execution of the work. If the proposed % is not provided, equal participation will be assumed.
- **Example for calculation of bid capacity in case of JV / Group**

Suppose there are 'P' and 'Q' members of the JV / group with their participation in the JV / group as 70% and 30% respectively and available bid capacity of these members as per above formula individually works out 'X' and 'Y' respectively, then Bid Capacity of JV / group shall be as under:

$$\text{Bid Capacity of the JV / group} = 0.7X + 0.3Y$$

1.1.4.4 The tender submission of Tenderers, who do not qualify the Prequalification criteria & bid capacity criteria stipulated in the clauses 1.1.4.1 to 1.1.4.3 above, shall not be considered for further evaluation and therefore rejected. The mere fact that the tenderer is qualified as mentioned in sub clause 1.1.4.1 to 1.1.4.3 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.

1.1.5 **General Information of Bidders:** Qualification Questionnaire prescribed in Proforma Sections 1 to 7 (complete in all respect with relevant supporting documents) shall be submitted by Tenderers as part of their Tender Submission.

1.1.6 Please submit the CV of Key Personals as per **Annexure – 5 of NIT**.

1.1.7 **The Tender documents consist of :**

Volume 1

Notice Inviting Tender (NIT)

Form of Tender (FOT)

Instructions to Tenderers (ITT)

Volume 2

Special Conditions of contract (SCC)

General Conditions of Contract (GCC)

Condition of Contract on Safety, Health & Environment (SHE)

Volume 3

General Specifications

Particular Specifications

Volume 4

Pricing Document

- 1.1.8 The Tenderers may obtain further information / clarification, if any, in respect of these tender documents from the office of ED/Contracts, Delhi Metro Rail Corporation, 5<sup>th</sup> floor, A-Wing, Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi –110001.
- 1.1.9 All Tenderers are hereby cautioned that tenders containing any material deviation or reservations as described in Clause. **E 4.4** of “Instructions to Tenderers” and/or minor deviation without quoting the cost of withdrawal shall be considered as non-responsive and is liable to be rejected.
- 1.1.10 The intending tenderers must be registered on e-tendering portal [www.tenderwizard.com/DMRC](http://www.tenderwizard.com/DMRC). Those who are not registered on the e-tendering portal shall be required to get registered beforehand. If needed they can be imparted training on ‘online tendering process’. After registration, the tenderer will get user id and password. On login, tenderer can participate in tendering process and can witness various activities of the process.
- 1.1.11 The authorized signatory of intending tenderer, as per Power of Attorney (POA), must have valid **class-III digital signature**. The tender document can only be downloaded or uploaded using Class-III digital signature of the authorized signatory.
- 1.1.12 Tender submissions will be made online after uploading the mandatory scanned documents towards cost of tender documents such as Demand Draft or Pay Order or Banker’s Cheque from a Scheduled commercial bank based in India and towards Tender Security such as Bank Guarantee or Demand Draft or Pay Order or Banker’s Cheque from a Scheduled commercial bank based in India and other documents as stated in the tender document.
- 1.1.13 Late tenders (received after date and time of submission of bid) shall not be accepted under any circumstances.
- 1.1.14 Tenders shall be valid for a period of **180 days** (both days inclusive i.e. the date of submission of tenders and the last date of period of validity of the tender) from the date of submission of Tenders and shall be accompanied with a tender security of the requisite amount as per clause C18 of ITT.
- 1.1.15 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.

**Executive Director/Contracts  
Delhi Metro Rail Corporation Ltd.**

## ANNEXURE-1

### INITIAL FILTER CRITERIA

Name of Applicant: .....

No.	Criteria	Yes	No
1	Has the Applicant (in case of JV/Consortium any member) abandoned any work in the last ten years?		
2	Has the Applicant (in case of JV/Consortium any member) suffered bankruptcy/ insolvency in the last five years?		
3 <sub>A</sub>	Whether any Central / State Government department, Public Sector Undertaking or DMRC or other Govt. entities or local body have banned business with the tenderer (any member in case of JV or consortium) as on the date of tender submission.		
3 <sub>B</sub>	Whether any work of the tenderer have been rescinded / terminated by DMRC after award of contract during last 5 years due to non-performance of the tenderer.		
4	Has any misleading information been given in the application?		
5	Is the applicant not willing for transfer of technology?		
6	Is the Net worth of Applicant negative?		
7	Is certification from the applicant missing that no agent/ middleman has been or will be engaged or has any agency commission been or will be paid?		
8	Do the documents submitted by the applicant reveal that agency commission has been or will be paid?		
9 <sub>A</sub>	Has the applicant not successfully completed at least one single work of supply and commissioning of Signalling & Train Control system using radio based CBTC with moving block including CBI & ATP sub-system, on a MRTS line during last 10 years?		
9 <sub>B</sub>	Is at least two CATC works (at least one CBTC) not working satisfactorily in a country outside the country of origin?		
9 <sub>C</sub>	Are CBI & ATP subsystems not from OEMs under same parent company for item 9 work above?		
9 <sub>D</sub>	Is applicant not having experience of integration of all major subsystems (Interlocking, ATP, ATS and Radio) in a CBTC project.		
9 <sub>E</sub>	Is the applicant not having experience of integration, for the Signalling segment of the Project, of all subsystems (Signalling, PIDS, PAS, TVS, Rolling stock, Track, Traction) in at least one CBTC project?		
9 <sub>F</sub>	Is the applicant not having the experience of systems & software integration of all telecommunication sub-systems required for the Telecom segment of the Project?		

**Note:** A “YES” answers to question 1 to 9<sub>E</sub> will disqualify the Applicant.

**QUALIFICATION QUESTIONNAIRE**

**Notes:**

1. This entire Questionnaire proforma shall be completed in all respects.
2. Questionnaire pro-forma relating to the various sections shall be incorporated in the respective sections
3. In the box 

Y	N
---	---

 'Y' denotes 'Yes' and 'N' denotes No. Please tick mark (√) whichever is applicable or write Yes or No explicitly, as the case may be.
5. The Document submitted shall be numbered sequentially and the page number of each answer should be noted against the respective item below:

**PROFORMA SECTION 1 – GENERAL**

1.	Number of contract for which assessment is sought: <b>NS01</b>
2.	Title of contract for which assessment is sought: Design, Manufacture, Supply, Installation, Testing and Commissioning of Train Control, Signalling and Telecommunication Systems, Supply of Spares and Training of Operation & Maintenance personnel for Noida – Greater Noida Metro Project.–Contract NS01
3.	<p>State the structure of the applicant's organization (applicants to complete / delete as appropriate)</p> <p>Individual company or firm</p> <p>Joint venture</p> <p>Partnership</p> <p>Consortium</p> <p>Other (please specify) .....</p>
4.	<p>For applicants who are individual companies or firms, state the following:</p> <p>Name of Company or Firm:.....</p> <p>Legal status: (e.g. incorporated private company, unincorporated business, etc.)</p> <p>.....</p> <p>Registered address: .....</p> <p>Year of incorporation: .....</p> <p>Principal place of business:.....</p> <p>Country of incorporation of domicile:.....</p> <p>Contact person: .....</p>

	Contact person's title: ..... Address, telephone, E-mail ID and facsimile number of contact person: .....											
5.	For applicants who are in joint venture, partnership, consortium or other association. State the following: Names of members Legal status: Registered address and principal place of business: Percentage Participation (equity) & division of responsibility : Country of Incorporation or Domicile: (lead member first) (1) ..... (2) ..... (3) ..... (etc) Contact person (from lead member) ..... Contact person's title: ..... Address, telephone, e-mail ID and facsimile number of contact person: .....											
5a.	In case of mergers / acquisition within the past 10 years, state the following:											
	Name of the Applicant (Each member in case of group)	Name of the companies merged with or acquired by the applicant (Member in case of group) and the dates of merger / acquisition:  <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 60%;">Name</th> <th style="text-align: left;">Date of Merger</th> </tr> </thead> <tbody> <tr><td>•</td><td></td></tr> <tr><td>•</td><td></td></tr> <tr><td>•</td><td></td></tr> <tr><td>•</td><td></td></tr> </tbody> </table>	Name	Date of Merger	•		•		•		•	
Name	Date of Merger											
•												
•												
•												
•												

6.	<p>For the applicant, ( in case of group, for each constituent member), state the following information:</p> <ul style="list-style-type: none"> <li>• Date of incorporation of organization.</li> <li>• Names and Titles of Directors or partners.</li> <li>• Has the company or firm ever failed to complete any work awarded to it in last 10 years? If Yes give an explanation. <table border="1" data-bbox="1166 450 1313 501"><tr><td>Y</td><td>N</td></tr></table></li> <li>• In case of mergers / acquisitions, has any of the merged / acquired Companies of the applicant( or any constituent member in case of Group), ever failed to complete any work awarded to it prior to its being merged / acquired in the last 10 years. <table border="1" data-bbox="1166 524 1313 575"><tr><td>Y</td><td>N</td></tr></table> If yes give explanations.</li> <li>• Is the firm or company involved or financially interested in any other business not directly associated with the area of work for which assessment is sought? If yes, give details. <table border="1" data-bbox="1166 763 1313 815"><tr><td>Y</td><td>N</td></tr></table></li> <li>• Does the company or firm have an office or branch office in India? <table border="1" data-bbox="1166 920 1313 972"><tr><td>Y</td><td>N</td></tr></table> If so, provide address(es).</li> <li>• (Applicants are to present this information on sheets which are to be clearly referenced as being to this Question 6).</li> </ul>	Y	N	Y	N	Y	N	Y	N
Y	N								
Y	N								
Y	N								
Y	N								
7.	<p>Does your company( in case of a group, each constituent member) combine the functions of a designer with those of manufacturer? <table border="1" data-bbox="1166 1155 1313 1207"><tr><td>Y</td><td>N</td></tr></table></p> <p>Please elaborate.....</p>	Y	N						
Y	N								
8a.	<p>In case of International Applicants, is an Indian partner experienced in an appropriate discipline a member of the Group? <table border="1" data-bbox="1166 1435 1313 1487"><tr><td>Y</td><td>N</td></tr></table></p> <ul style="list-style-type: none"> <li>• If Yes, provide list of disciplines / products. .....</li> <li>• If not, give reasons for inclusion. .....</li> </ul>	Y	N						
Y	N								
b.	<p>In case of International Applicants, has an association been formed with an Indian partner(s) for transfer of technology for system assembly, installation, maintenance and software customization / modification of systems and sub-systems? <table border="1" data-bbox="1179 1823 1326 1874"><tr><td>Y</td><td>N</td></tr></table></p> <ul style="list-style-type: none"> <li>• If Yes, provide list of disciplines / products .....</li> <li>• If not, given reasons for exclusion? .....</li> </ul>	Y	N						
Y	N								



**PROFORMA – SECTION 2**

<p>9.</p>	<p>Does Section 2 contain Power of Attorney which empowers the person <input type="checkbox"/> Y <input type="checkbox"/> N</p> <p>or persons to sign and submit the letter of application on behalf of the applicant and, if applicable, the statements of participation on behalf of all constituent members of the group?</p> <p>If not, give reasons.</p> <p>.....</p>
<p>10.</p>	<p>In the case of an incorporated applicant (or constituent members who are incorporated) does copies, in English, of the <input type="checkbox"/> Y <input type="checkbox"/> N</p> <p>Memorandum and Articles of Association or equivalent expression of corporate capacity?</p> <p>If not, give reasons.</p> <p>.....</p>
<p>11.</p>	<p>In the case of applications from groups, does <input type="checkbox"/> Y <input type="checkbox"/> N</p> <p>statements of participation in the form appearing in the Pre-assessment Brochure for each member?</p> <ul style="list-style-type: none"> <li>• In the case of groups, have you enclosed a MOU signed <input type="checkbox"/> Y <input type="checkbox"/> N by each member that they will be jointly and severally responsible for the entire work?</li> </ul> <p>If not, give reasons.</p> <p>.....</p>
<p>12.</p>	<p>Have there been previous collaborations between constituent members? <input type="checkbox"/> Y <input type="checkbox"/> N</p> <p>If yes, give details.</p> <p>.....</p>
<p>13.</p>	<p>In the case of applications from groups, does copies <input type="checkbox"/> Y <input type="checkbox"/> N</p> <p>of the MOU, group agreements or other documents establishing or intending to establish the formation of such a group?</p> <p>If not, give reasons.</p> <p>.....</p>

14.	<p>In the case of applications from groups, does details of:</p> <ul style="list-style-type: none"> <li>• Proposed equity participation by each constituent member for the proposed work? <table border="1" style="float: right;"><tr><td style="text-align: center;">Y</td><td style="text-align: center;">N</td></tr></table></li> <li>• Areas of specialization / responsibility of each member for the proposed work? <table border="1" style="float: right;"><tr><td style="text-align: center;">Y</td><td style="text-align: center;">N</td></tr></table></li> <li>• Extent of participation (including deployment of major plant items and key personnel) by each member for the proposed work? <table border="1" style="float: right;"><tr><td style="text-align: center;">Y</td><td style="text-align: center;">N</td></tr></table></li> <li>• Have you provided detailed information of the sub-systems, viz Signalling &amp; Train Control system &amp; Telecommunication system and to be designed and/or manufactured by each member? <table border="1" style="float: right;"><tr><td style="text-align: center;">Y</td><td style="text-align: center;">N</td></tr></table></li> <li>• If the answer to any question is no, please give reasons.  .....  .....  .....</li> </ul>	Y	N	Y	N	Y	N	Y	N
Y	N								
Y	N								
Y	N								
Y	N								

**PROFORMA SECTION 3**

15.	<p>State the number of years the applicant (or each constituent member) has been in business under the business name appearing in the answer to question 4 or 5 above.</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: left; border-bottom: 1px solid black;">Name</th> <th style="width: 50%; text-align: left; border-bottom: 1px solid black;">No. of years</th> </tr> </thead> <tbody> <tr> <td style="border-right: 1px solid black; padding: 2px;">(1).....</td> <td style="padding: 2px;">.....</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px;">(2) .....</td> <td style="padding: 2px;">.....</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px;">(3) .....</td> <td style="padding: 2px;">.....</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px;">etc.</td> <td style="padding: 2px;"></td> </tr> </tbody> </table>	Name	No. of years	(1).....	.....	(2) .....	.....	(3) .....	.....	etc.	
Name	No. of years										
(1).....	.....										
(2) .....	.....										
(3) .....	.....										
etc.											
6.	<p>State the number of years the applicant (or each constituent member) has been undertaking work similar in scope and nature to the works for which assessment is sought.</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: left; border-bottom: 1px solid black;">Name</th> <th style="width: 50%; text-align: left; border-bottom: 1px solid black;">No. of years</th> </tr> </thead> <tbody> <tr> <td style="border-right: 1px solid black; padding: 2px;">(1).....</td> <td style="padding: 2px;">.....</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px;">(2) .....</td> <td style="padding: 2px;">.....</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px;">(3) .....</td> <td style="padding: 2px;">.....</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px;">etc.</td> <td style="padding: 2px;"></td> </tr> </tbody> </table>	Name	No. of years	(1).....	.....	(2) .....	.....	(3) .....	.....	etc.	
Name	No. of years										
(1).....	.....										
(2) .....	.....										
(3) .....	.....										
etc.											
17a.	<p>Performance Record: Applicant should scrutinise the contract description contained in this Assessment Brochure and compile a list showing their previous experience of similar contracts completed during the last ten years. The applicant must demonstrate experience in all areas covered by this contract including design, manufacturing, supply, installation and commissioning of systems of sizes and technology comparable to those contemplated under this contract and also show capability of full integration of sub-systems with Rolling Stock and other project elements. Ability to provide these systems in a short time period on schedule must be demonstrated. Further information and literature associated with system performance and reliability, together with technology transfer achieved on previous contracts and relevant experience of the applicant and each constituent member shall be clearly referenced and enclosed. In case of acquisitions / mergers, similar information should be supplied by the acquired / merged companies of the Applicant (or any constituent member in case of Group) in respect of works awarded to such acquired / merged companies prior to their acquisition / merger in the last 5 years. All the material should be clearly referenced as being in response to this Question 17a.</p> <ul style="list-style-type: none"> <li style="margin-bottom: 10px;"> <span style="display: inline-block; width: 15px;">•</span> Do you ( and each constituent member of the group) authorize DMRC to make enquiries with any of the Clients listed by the Applicant?                     <table style="float: right; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; width: 20px; text-align: center; padding: 2px;">Y</td> <td style="border: 1px solid black; width: 20px; text-align: center; padding: 2px;">N</td> </tr> </table> </li> <li> <span style="display: inline-block; width: 15px;">•</span> Have you (and each constituent member of the group) provided details required in Annexure 2 and 2A for similar Contracts undertaken in the last ten years?                     <table style="float: right; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; width: 20px; text-align: center; padding: 2px;">Y</td> <td style="border: 1px solid black; width: 20px; text-align: center; padding: 2px;">N</td> </tr> </table> </li> </ul>	Y	N	Y	N						
Y	N										
Y	N										

	<ul style="list-style-type: none"> <li>• Have details required in Annex – 2 and Annex -2A been given in respect of mergers/ acquisitions for a period of 10 years prior to their merger/acquisition? If the answer is No, give explanations.</li> <li>• Have details required in Annex – 2 and Annex 2A been given in respect of sub-contractors for the last 10 years? If the answer is No, give explanations.  (Use a separate sheet for each Contract and include in the Questionnaire)</li> </ul>	<table border="1"> <tr> <td>Y</td> <td>N</td> </tr> </table>  <table border="1"> <tr> <td>Y</td> <td>N</td> </tr> </table>	Y	N	Y	N
Y	N					
Y	N					
17b.	<p>Work in Hand. Applicant or each constituent member should indicate, in the form below: Details for each similar contract / commitment which is not yet completed or for which letter of intent or acceptance has been received.</p> <p>(Applicants are to present this information in the format shown below but on sheets which are to be included in the Questionnaire).</p> <p>Have you (and each constituent member of the group) provided details required in Annexure 3A and 3B?  (Use a separate sheet for each Contract and include in the Questionnaire).</p> <hr/>	<table border="1"> <tr> <td>Y</td> <td>N</td> </tr> </table>	Y	N		
Y	N					
17c.	Annual financial turnover of the applicant / member (in case of JV/Consortium or group), as on 31.05.2014 for the last 5 years.					
	Name of the applicant (Member in case of group)  Year	Annual financial Turnover pertaining to Design, Manufacture, Supply, Installation, Testing and Commissioning of Signalling & Train Control Systems & Telecommunication system.				

**PROFORMA SECTION 4**

18.	Not used
19a.	Not used
19b.	Confirm that the Project Leader shall be continuously positioned in NOIDA/GREATER NOIDA (India) Project Office throughout the period of the Contract.
19c.	Which member of the applicant / group will provide the Project Leader? Provide the academic and professional qualifications and experience of the proposed Project Leader.
20.	Provide in Section 4 the following:  Relevant CV's of the Key Design / Development & Production Engineers and Specialists of all relevant discipline from each group member proposed for the present Contract, indicating their qualification, length of service, previous experience of work similar in nature to the works for which assessment is sought and their involvement in those contracts. This should be given separately for each systems / sub-systems and number limited to 20 for each system /sub-system.
21.	Provide in Section 4 the following:  Details of your current management organization as the applicant or, if a group, of each constituent member.  A proposed management organization for the Contract, specifying the location of the personnel. Clearly specify the location where the personnel shall be based. Specify a minimum ten (10) number of personnel, including their experience details, from the applicant or from the Lead Group member in case of joint venture /partnership/consortium who will be based in NOIDA/GREATER NOIDA (India) Project Office throughout the Contract period.

**PROFORMA SECTION 5**

22.	Include in Section 5 details of ownership and control of applicant, or if a group, of each constituent member.
23.	<p>Have you in Section 5 provided documents, including Banking Reference, to demonstrate that you have access to, or have available, liquid assets, lines of credit and other financial means sufficient to meet cash flow net of your commitments for other contracts.</p> <p style="text-align: right;"><input type="checkbox"/> Y   <input type="checkbox"/> N</p> <p>Do you authorize DMRC to make enquiries with any of the Banks you listed in this application?</p> <p style="text-align: right;"><input type="checkbox"/> Y   <input type="checkbox"/> N</p> <p>Have you provided Annual Reports of the Applicant (and of each constituent member in the case of a group) for each of the last five years and also information given in Annexure 3. This information may also be given for a Sub-contractor, if he is supplying a system/ sub-system.</p> <p style="text-align: right;"><input type="checkbox"/> Y   <input type="checkbox"/> N</p>

**PROFORMA SECTION 6**

<p>24.</p>	<p>Do you intend, to engage the services of an independent professional designer for the purposes of undertaking the design of any of the sub-systems?</p> <p>If yes, provide the name or names of potential professional designers, their capability, resources and the extent of their participation.</p> <p>Further details and literature should be enclosed in Section 6, clearly referenced as being in response to this Question 24.</p>	<table border="1"> <tr> <td>Y</td> <td>N</td> </tr> </table>	Y	N				
Y	N							
<p>25.</p>	<p>Do you intend, to sub-contract with other manufacturers any part of the work?</p> <p>If yes, in Section 6, provide the name or names of the sub-contractors, their experience, resources and the extent of their participation, clearly referenced as being in response to this Question 25.</p> <p>Provide details of all sub-systems that will be designed in-house.</p> <p>Provide information on systems that will be manufactured by the applicant.</p> <p>What is the part of the total work for Signalling &amp; Train Control and Telecommunication proposed to be sub-contracted? (in percentage) (Separately for Signalling &amp; Train Control system and Telecommunication system)</p>	<table border="1"> <tr> <td>Y</td> <td>N</td> </tr> </table>	Y	N				
Y	N							
<p>26a.</p>	<p>Applicant ( each member in case of Group) is to include in Section 6 information relating to the availability of major manufacturing plants for this work.</p> <p>Applicant or each constituent member thereof should provide, in Section 6, information on the details, number, location and products of manufacturing plants and Design Offices that they own or operate that they would use for this Contract, clearly specifying for each, the product to be supplied from it for the present Contract.</p> <p>Provide similar information for manufacturing plants available in India.</p> <p>Provide information on the test facilities used for proving the performance and quality of your systems.</p> <p>Provide the number and specifications of CAD, Plotters and work stations available for the designs for the systems and sub-systems, the computing power and programmes available for the contract. Information in response to this Q.26(a) should be provided separately for Signalling &amp; Train Control and Telecommunication Systems.</p>							
<p>26b.</p>	<p><b>Quality Assurance Programme:</b></p> <p>Do Applicants or each constituent member currently maintain an in-house Quality Assurance programme?</p> <p>If yes, give details.</p> <p>Have you ( or each constituent member in the case of a group) had Any of your recent projects ISO 9000/ 9001/9002 certified?</p> <p>If yes, give details</p>	<table border="1"> <tr> <td>Y</td> <td>N</td> </tr> <tr><td colspan="2"> </td></tr> <tr> <td>Y</td> <td>N</td> </tr> </table>	Y	N			Y	N
Y	N							
Y	N							

26c.	Do you (each constituent member) have cost control mechanism in your organization.	Y	N
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**PROFORMA SECTION- 7**

27.	SHE Management Systems	<ul style="list-style-type: none"> <li>• Do the Applicant have Qualified &amp; competent SHE organisation at its Corporate Head office level? If yes, give details along with Organization Chart? <span style="float: right; border: 1px solid black; padding: 2px;">Y</span> <span style="float: right; border: 1px solid black; padding: 2px;">N</span></li>   <li>• Do the Applicant has SHE Management Systems in the form of Organization SHE Manual, SHE procedure / Instructions &amp; Annual SHE Programme &amp; its monitoring system? If yes, give details. <span style="float: right; border: 1px solid black; padding: 2px;">Y</span> <span style="float: right; border: 1px solid black; padding: 2px;">N</span></li>   <li>• Did the Applicant receive any notice from Government Statutory Body on violation of norms on Safety Occupational Health &amp; Environment? If yes, give details. <span style="float: right; border: 1px solid black; padding: 2px;">Y</span> <span style="float: right; border: 1px solid black; padding: 2px;">N</span></li> </ul>
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**VERIFICATION STATEMENT**

28.	<p>I confirm and declare that no agent, middleman or any intermediary has been, or will be, engaged by me to provide any services, or any other item or work related to the award and performance of this Contract. I further confirm and declare that no agency commission or any payment which may be construed as an agency commission has been, or will be, paid by me and that the tender price will not include any such amount.</p> <p>Signed: .....</p> <p>(to be signed by applicant and each member of the group)</p> <p>Date: .....</p>
29.	<p>Applicants are to verify that the information contained in this completed Questionnaire, any annex thereto and all supporting and explanatory information is, to their best knowledge and belief, truthful and exact.</p> <p>By virtue of my signature below, I confirm to my best knowledge and belief, the information contained in this questionnaire and sections, any annex thereto and all supporting and explanatory information, is truthful and exact.</p> <p>Signed : .....</p> <p>(Same signatory as on letter of application)]</p> <p>Date: .....</p>



## ANNEXURE-2

### WORK EXPERIENCE (CLAUSE 1.1.4.2//A & B OF NIT)

**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 <b>31.05.2015</b> in case of works in progress)	
9. Ref. to client's completion certificate	
10. This work experience is to be considered against which NIT Clause no. of NIT  Please indicate clearly.	

**NOTE:**

1. Only the value of contract as executed by the applicant/member in his own name should be indicated. Where a work is undertaken by a group, only that portion of the contract which is undertaken by the concerned applicant/member should be indicated and the remaining done by the other members of the group be excluded. This is to be substantiated with documentary evidence which clearly mentioned the length of tunnel and no. of stations along with its plan area completed.
2. Separate sheet for each work along with Clients Certificate to be submitted.
3. Separate Performa shall be used for each member in case of JV/Consortium.
4. In case the work is executed for private client, copy of work order, bill of quantities, bill-wise details of payment received certified by C.A., T.D.S certificates for all payments received and copy of final/last bill paid by client shall be submitted.

(Signature of Tenderer)

Seal

Date:

## ANNEXURE-2A

### WORK EXPERIENCE (CLAUSE 1.1.4.2//A OF NIT)

Name of the Applicant / Member ( in case of JV/consortium)

**Note: Separate proforma shall be submitted for each work.**

Project Title:	Location:										
Scope:	Address:										
Client:											
Client's Representative:	Tele:										
Type of Contract: <table style="width: 100%; margin-top: 10px;"> <tr> <td style="width: 80%;">Signalling &amp; Train Control;</td> <td style="width: 20%; text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Signalling &amp; Train Control based on CBTC</td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Rolling Stock - ATP / ATO Systems Interfacing</td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Telecommunication systems / Integration</td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Others (Specify)</td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table> Please ✓ whichever is applicable		Signalling & Train Control;	<input type="checkbox"/>	Signalling & Train Control based on CBTC	<input type="checkbox"/>	Rolling Stock - ATP / ATO Systems Interfacing	<input type="checkbox"/>	Telecommunication systems / Integration	<input type="checkbox"/>	Others (Specify)	<input type="checkbox"/>
Signalling & Train Control;	<input type="checkbox"/>										
Signalling & Train Control based on CBTC	<input type="checkbox"/>										
Rolling Stock - ATP / ATO Systems Interfacing	<input type="checkbox"/>										
Telecommunication systems / Integration	<input type="checkbox"/>										
Others (Specify)	<input type="checkbox"/>										
Whether at least 02 CATC Works (for which details are submitted in Annexure 2) have been executed outside the country of origin. <table style="float: right; border: 1px solid black; text-align: center; width: 80px;"> <tr> <td style="padding: 2px 10px;">Y</td> <td style="padding: 2px 10px;">N</td> </tr> </table>		Y	N								
Y	N										
Whether out of these two CATC works, at least one work is CBTC based. <table style="float: right; border: 1px solid black; text-align: center; width: 80px;"> <tr> <td style="padding: 2px 10px;">Y</td> <td style="padding: 2px 10px;">N</td> </tr> </table>		Y	N								
Y	N										
Whether CBTC works submitted in support of work experience under Clause 1.1.4.2 (I) (A) (for which details are submitted in Annexure 2) are from OEMs under same parent company. <table style="float: right; border: 1px solid black; text-align: center; width: 80px;"> <tr> <td style="padding: 2px 10px;">Y</td> <td style="padding: 2px 10px;">N</td> </tr> </table>		Y	N								
Y	N										
Whether CBTC works submitted in support of work experience under Clause 1.1.4.2 (I) (A) (for which details are submitted in Annexure 2) Have integration of all major subsystems (interlocking, ATP, ATS, and Radio). <table style="float: right; border: 1px solid black; text-align: center; width: 80px;"> <tr> <td style="padding: 2px 10px;">Y</td> <td style="padding: 2px 10px;">N</td> </tr> </table>		Y	N								
Y	N										
Whether at least CBTC work out of the work(s) submitted in support of work experience under Clause 1.1.4.2 (I) (A) (for which details are submitted in Annexure 2) include integration of all subsystems (signalling, PIDS, PAS, TVS, Rolling Stock, Telecommunication, Track, Traction etc.). <table style="float: right; border: 1px solid black; text-align: center; width: 80px;"> <tr> <td style="padding: 2px 10px;">Y</td> <td style="padding: 2px 10px;">N</td> </tr> </table>		Y	N								
Y	N										
Was an Indian Government standard form of contract used? If Yes, give details: <table style="float: right; border: 1px solid black; text-align: center; width: 80px;"> <tr> <td style="padding: 2px 10px;">Y</td> <td style="padding: 2px 10px;">N</td> </tr> </table>		Y	N								
Y	N										

Was an international standard form of contract used?		<input type="checkbox"/> Y	<input type="checkbox"/> N
If Yes, give details:			
Was the work carried alone or as a member of the group?		<input type="checkbox"/> Y	<input type="checkbox"/> N
If a group, indicate percentage participation and area/s of participation.			
Date work commenced.	Date, work was completed.		
Was the date of completion given in the original contract extended?		<input type="checkbox"/> Y	<input type="checkbox"/> N
If so, how much and why?			
Was any penalties imposed for delay?	<input type="checkbox"/> Y	<input type="checkbox"/> N	Did the applicant go in for Arbitration?
If yes, give details.		If yes, give details.	
Were any penalties imposed for reasons other than delay?	<input type="checkbox"/> Y	<input type="checkbox"/> N	Did the applicant go in for Litigation?
If yes, give details.		If yes, give details.	
Were Quality Assurance obligations required in the contract?		<input type="checkbox"/> Y	<input type="checkbox"/> N
If yes, whether they were fulfilled?			
Were specified performance requirements of the systems achieved?		<input type="checkbox"/> Y	<input type="checkbox"/> N
If yes, please give details of reliability in terms of availability of the systems achieved during warranty period or three years from the date of commissioning whichever is later.			
If No, give reasons.....			
Has the applicant (or any member of a group) been blacklisted by a client?		<input type="checkbox"/> Y	<input type="checkbox"/> N
If Yes, why?			
Was there any complaint received from the client relating to the performance of the Systems?		<input type="checkbox"/> Y	<input type="checkbox"/> N
If yes, give details.			
Did the arrangements / facilities exist to rectify defects during warranty period?		<input type="checkbox"/> Y	<input type="checkbox"/> N
If yes, give details including the location of facilities.			
Was technology transferring a part of the contract?		<input type="checkbox"/> Y	<input type="checkbox"/> N
Was the technology transfer achieved as contracted?		<input type="checkbox"/> Y	<input type="checkbox"/> N
If yes, what was the time frame?			
Project description including transfer of technology for system assembly, installation, maintenance and software customization / modification details. Briefly indicate plan of action in the direction of progressive technology transfer to India.			

## ANNEXURE- 3

### Financial DATA

Applicant's legal name .....Date .....

Group Member's legal name..... Page ..... of ..... Pages

Each Applicant or member of a JV must fill in this form

S.N.	Description	Financial Data for Latest Last 5 Years (Indian Rupees)				
		FY	2009-10	2010-11	2011-12	2012-13
1.	Total Assets					
2.	Current Assets					
3.	Total External Liabilities					
4.	Current Liabilities (inclusive of provisions if any)					
5.	Annual Profits Before Taxes					
6.	Annual Profits After Taxes					
7.	Net Worth[= 1 - 3]	<del> </del>	<del> </del>	<del> </del>	<del> </del>	
8.	Working Capital[=2 - 4]	<del> </del>	<del> </del>	<del> </del>	<del> </del>	
9.	Return on Equity					
10	Annual turnover (for sales from Principle activities*)					
11	Gross Annual turnover					
		*Principle activities mean core business of the applicant / member (in case of JV or Consortium)				

(Signature of Chartered Accountant)

Seal

Date:

**NOTES:**

- (a) The financial data submitted in above Annexure shall be **certified by the Chartered Accountant in original with his stamp, signature & membership number.**
- (b) Attach copies of the audited balance sheets, including all related notes, income statements for the last five audited financial years, as indicated above, complying with the following conditions.
1. Separate Performa shall be used for each member in case of JV/Consortium.
  2. All such documents reflect the financial data of the Applicant or member (in case of JV/ Consortium), and not sister or Parent Company.
  3. Historic financial statements shall be audited by Statutory Auditor of the Company under their seal & stamp and shall be strictly based on Audited Annual Financial results of the relevant period(s). No statements for partial periods will be accepted.
  4. Historic financial statements must be complete, including all notes to the financial statements.
  5. Foreign applicants, in whose country calendar year is also the financial year, may submit all relevant data for the last 5 years i.e. 2009, 2010, 2011,2012 and 2013.
  6. Return on Equity = Net Income / Shareholders Equity.  
  
Return on Equity = Net Income is for the full fiscal year (before dividends paid to common stock holders but after dividends to preferred stock). Shareholders equity does not include preferred shares.
  7. In case audited balance sheet of last financial year is not made available by the bidder. The bidder must submit an affidavit certifying that 'the balance sheet has actually not been audited so far'. In such a case the financial data of previous '4' 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 may be considered as non- responsive.

(Signature of Chartered Accountant)

Seal

Date:

## ANNEXURE- 3A

### FINANCIAL DATA

(WORK DONE DURING THE LATEST LAST FIVE FINANCIAL YEARS)

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

(All amounts in Rupees in Crores)

S. No.	DESCRIPTION	Financial Data for Last 5 Audited Financial Years (please furnish data without considering escalation as per Note 6 given below)				
		Year 2009-2010	Year 2010-2011	Year 2011-2012	Year 2012-2013	Year 2013-2014
		3	4	5	6	7
1	2					
	<b>Annual turnover (for sales from Principle activities*)</b>					

**NOTE:**

1. \*Principle activities mean core business of the applicant / member (in case of JV or Consortium)
2. Separate Performa shall be used for each member in case of JV/Consortium.
3. Attach attested copies of the Audited Financial Statements of the last five financial years as Annexure.
4. 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.
5. The financial data in above prescribed format shall be certified by Chartered Accountant / Company Auditor in original under his signature, stamp & membership number.
6. The above financial data will be updated to tender submission date price level assuming 5% inflation for Indian Rupees every year and 2% for foreign currency portions per year. **The exchange rates of foreign currency shall be applicable 28 days before the Tender submission date.**
7. If the audited financial statements do not directly reflect the required values, a certificate from the chartered accountant for required data would be considered sufficient for the purpose.

(Signature of Chartered Accountant)

Seal

Date:

**ANNEXURE- 3B**

**ANNEXURE 3B: Works in hand**

As on first day of the month of tender submission

Name and brief particulars of contract (Clearly indicate the part of the work assigned to the applicant(s))	Name of client with telephone number and fax number	Contract Value In Rupees Equivalent (Give only the value of work assigned to the applicant(s) (Assume inflation as given in Annexure1)	Value of balance work yet to be done in Rupee equivalent as on 31.05.2015.	Date of Completion as per Contract Agreement	Expected Completion Date	Delay if any, with reason	Value of work to be done from 01.06.15 to 31.03.16	Value of work to be done in 01.04.16 to 31.03.17	Value of work to be done in 01.04.17 to 31.12.17

Signature of Chartered Accountant

Seal

Date:

Note:

Above data in prescribed format shall be certified by the Chartered Accountant in original with his stamp, signature & membership number.

## Annexure-4

### SAMPLE FORMAT FOR BANKING REFERENCE FOR LIQUIDITY

#### BANK CERTIFICATE

This is to certify that M/s ..... is a reputed company with a good financial standing.

If the contract for the work, namely.....is awarded to the above firm, we shall be able to provide overdraft / credit facilities to the extent of Rs..... to meet their working capital requirements for executing the above contract.

\_\_\_\_\_ Sd. \_\_\_\_\_  
Name of Bank: \_\_\_\_\_  
Senior Bank Manager \_\_\_\_\_  
Address of the Bank \_\_\_\_\_

---

• **Change the text as follows for Joint Venture:**

*This is to certify that M/s ..... who has formed a JV with M/s ..... and M/s ..... for participating in this bid, is a reputed company with a good financial standing.*

*If the contract for the work, namely.....is awarded to the above joint venture, we shall be able to provide overdraft / credit facilities to the extent of Rs..... to M/s ..... to meet their working capital requirements for executing the above contract.*

*[This should be given by the JV members in proportion to their financial participation]*



## ANNEXURE 5

**Applicant's legal name** ..... **Date**.....

**Group Member's legal name**..... **Page** ..... of ..... **pages**

### Key Staff Bio-data (Provide information for all key staff)

Name of Candidate		
Designation		
Date of Birth		
Professional Qualifications		
<i>Total Years of Experience</i>		
<i>No. Of Years of Experience in projects of similar nature</i>		
<i>Present employment</i>	Name of Employer	
	Address of Employer	
	Telephone	Contact (manager / personnel officer)
	Fax	Email ID
	Job title of candidate	Years with present employer

*Summarize professional experience over the last 10 years, in reverse chronological order. Indicate particular technical and managerial experience relevant to the Project*

<i>From</i>	<i>To</i>	<i>Company / Project / Position / Relevant technical and managerial experience</i>

## Annexure-6

### Historical Contract Non-Performance

*[The following table shall be filled in by the tenderer or each partner in case of JV / Consortium]*

Date: *[insert day, month, year]*

Applicant's Legal Name: *[insert full name]*

Applicant's Party Legal Name: *[insert full name]*

Reference ID No.: *[insert number, if any]*

Page *[insert page number]* of *[insert total number]* pages

#### 1. History of Non-Performing Contracts

Non-Performing Contracts			
<input type="checkbox"/> Contract non-performance did not occur during the <i>last two</i> years specified in Clause-1.1.4.1 (xi) of NIT.			
<input type="checkbox"/> Contract(s) not performed during the <i>last two</i> years specified in Clause-1.1.4.1 (xi) of NIT.			
Year	Non performed portion of contract	Contract Identification	Total Contract Amount (current value, please specify currency)
<i>[insert year]</i>	<i>[insert amount and percentage]</i>	Contract Identification: <i>[indicate complete contract name, number, and any other identification]</i>  Name of Employer: <i>[insert full name]</i>  Address of Employer: <i>[insert street/city/country]</i>  Reason(s) for non-performance: <i>[indicate main reason(s)]</i>	<i>[insert amount]</i>

## Annexure – 7

### DECLARATION (To be submitted with Tender Security)

I/We, ..... (Name of Tenderer), hereby declare that we are submitting our bid for Contract NS-01.

Details of tender security is given below:

S. No.	Tender Security Amount	Tender Security No.	Issuing Bank	Valid upto

(Signature of Tenderer)

Seal

Date: