



# **NOIDA METRO RAIL CORPORATION (NMRC) LIMITED**

## **REQUEST FOR PROPOSAL (RFP)**

**For Annual Maintenance contract for Track of N-GN corridor and  
Metro Depot**

**E- Tender No. NMRC/AMC-Track/204(R1)/248/2023**

**February 2023**

**Issued by:**

**Noida Metro Rail Corporation (NMRC) Limited  
Block-III, 3<sup>rd</sup> Floor,  
Ganga Shopping Complex, Sector-29, Noida -201301,  
District Gautam Budh Nagar, Uttar Pradesh, India**

## **Disclaimer**

This Request for Proposal (RFP) Document (or “E-Tender” or “E-Bid”) for “**For Annual Maintenance contract for Track of N-GN corridor and Metro Depot.**” contains brief information about the scope of work and selection process for the Bidder (“the Contractor” or “the Tenderer”). The purpose of the Document is to provide the Bidders with information to assist the formulation of their Bidding Documents.

While all efforts have been made to ensure the accuracy of information contained in this RFP Document, this Document does not purport to contain all the information required by the Bidders. The Bidders should conduct their own independent assessment, investigations and analysis and should check the reliability, accuracy and completeness of the information at their end and obtain independent advice from relevant sources as required before submission of their Bid/s. Noida Metro Rail Corporation Ltd. (“NMRC” or “the Corporation” or “the Employer”) or any of its employees or advisors shall incur no liability under any law, statute, rules or regulations as to the accuracy or completeness of the RFP Document.

NMRC reserves the right to change any or all conditions/information set in this RFP Document by way of revision, deletion, updating or annulment through issuance of appropriate addendum as NMRC may deem fit without assigning any reason thereof.

NMRC reserves the right to accept or reject any or all Bids without giving any reasons thereof. NMRC will not entertain or be liable for any claim for costs and expenses in relation to the preparation of the Bid/s to be submitted in terms of this RFP Document.

## **Glossary**

- a) **“Addendum / Amendment”** means any written amendment / addendum /corrigendum to this RFP, from time to time issued by NMRC to the prospective bidders.
- b) **“Agreement”** means the Contract Agreement to be executed between NMRC and the Selected Bidder.
- c) **“Applicable Laws”** means all the laws including local, state, national or other laws, brought into force and effect by Govt. of India, State Governments, local bodies, statutory agencies and any other, and rules / regulations / notifications issued by them from time to time. It also includes judgments, decrees, injunctions, writs and orders of any court or judicial authority as may be in force and effected from time to time.
- d) **“Bidder”** or **“Tenderer”** means any entity which is a sole proprietorship firm, a partnership firm or a company, in title and assigns which is submitting its bid pursuant to RFP Documents.
- e) **“Bid Due Date”** means Bid Submission end date and time given in the E-tender.
- f) **“Earnest Money Deposit (EMD)”** means the refundable amount to be submitted by the Bidder along with RFP documents to NMRC.
- g) **“NMRC”** means Noida Metro Rail Corporation Limited (or “Corporation” or “Employer”).
- h) **“Party”** means Contractor or Corporation (together they are called **“Parties”**).
- i) **“Performance Bank Guarantee/ Security Deposit”** means interest free amount to be deposited by the Contractor with NMRC as per terms and conditions of Contract Agreement as a security against the performance of the Contract agreement.
- j) **“Permits”** shall mean and include all applicable statutory, environmental or regulatory Contracts, authorization, permits, consents, approvals, registrations and franchises from concerned authorities.
- k) **“Re. or Rs. or INR”** means Indian Rupee.
- l) **“Revenue Operations Date (ROD)”** means the date of operation of Metro.
- m) **“Selected Bidder”** means the bidder who has been selected by NMRC, pursuant to the bidding process for award of Contract.

The words and expressions beginning with capital letters and defined in this document shall, unless repugnant to the context, have the meaning ascribed thereto here in above.

**RFP for Annual Maintenance contract for Track of N-GN corridor and Metro Depot**

**Data Sheet**

1	Name of the Bid	<b><i>RFP for Annual Maintenance contract for Track of N-GN corridor and Metro Depot.</i></b>
2	Approximate Cost of Work	INR <b>2,42,55,031.22/-</b> (including GST)
3	Time-period of contract	Three (3) years
4	Method of selection	Cost Based Selection (Lowest – L1)
5	Bid Processing Fee	INR 23,600 (including GST) (Rupees Twenty Three Thousand Six Hundred only) through RTGS/NEFT only payable in favour of Noida Metro Rail Corporation Limited
6	Ernest Money Deposit (EMD)	INR <b>2,43,500 Lakh</b> /- (Rupees Two Lakh Forty Three Thousand Five Hundred Only)
7	Financial Bid to be submitted together with Technical Bid	Yes
8	Name of the Corporation's official for addressing queries and clarifications	GM (Technical) Noida Metro Rail Corporation Limited, Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida 201301 Email: <a href="mailto:nmrcnoida@gmail.com">nmrcnoida@gmail.com</a> Website: <a href="http://www.nmrcnoida.com">www.nmrcnoida.com</a> , <a href="http://etender.up.nic.in">http://etender.up.nic.in</a>
9	Bid Validity Period	180 days
10	Bid Language	English
11	Bid Currency	INR
12	<b>Schedule of Bidding Process</b>	
	Head	Key Dates
	Uploading of Bid	22.02.2023
	Pre-bid Meeting	27.02.2023, 11:00 hrs (IST)
	Last date of seeking clarification, if any	01.03.2023, 17:30 hrs (IST)
	Last date of issuing amendment, if any	06.03.2023, 18:00 hrs (IST)
	Last Date of Bid Submission	14.03.2023, 15:00 hrs (IST)
	Date of Technical Bid Opening	14.03.2023, 15:30 hrs (IST)
13	JV Consortium to be allowed	No
14	Account details	<b>For Bid Processing Fee &amp; EMD</b> State Bank of India (04077) – Sector 18, Noida Gautam Budh Nagar, Uttar Pradesh -201301 IFSC Code: SBIN0004077 <b>A/c No. 37707840592</b> <b>Noida Metro Rail Corporation Ltd.</b>

## Content

Disclaimer .....	2
Glossary.....	3
Data Sheet.....	4
<b>1. Section 1: General Information .....</b>	<b>7</b>
1.1 Background.....	7
1.2 About Metro Locations.....	7
1.3 Communication .....	7
<b>2 Section 2: Terms of Reference .....</b>	<b>8</b>
2.1 Objective .....	8
2.2 General .....	8
2.3 Scope of Works.....	8
2.4 Track Work .....	11
2.5 Land .....	14
2.6 Material to be Supplies .....	14
2.7 Other Conditions .....	20
<b>3 Section 3: Instructions to Bidders .....</b>	<b>22</b>
3.1 General instructions.....	22
3.2 Preparation and submission of Bids .....	24
3.3 Earnest Money Deposit .....	28
3.4 Opening and Evaluation of Bids .....	29
3.5 Award of Contract .....	30
<b>4 Section 4: Qualification, Evaluation and Selection Process.....</b>	<b>32</b>
4.1 Eligibility Criteria .....	32
4.2 Bid Capacity Criteria.....	34
4.3 Personnel.....	35
4.4 Compliance with Technical Specifications.....	36
4.5 Information of the Technical and Financial Proposal.....	36
4.6 Selection of Bidder.....	36
4.7 Notice of Award and Execution of Contract Agreement.....	37
4.8 Performance Bank Guarantee / Security Deposit.....	37
4.9 Contract during Proposal Evaluation .....	38
4.10 Other Instruction .....	38
4.11 Project Financial Terms .....	39
<b>5 Section 5: Special Conditions of Contract (SCC).....</b>	<b>41</b>
<b>6 Section 6: General Conditions of Contracts (GCC).....</b>	<b>48 (1-80)</b>
<b>7 Section 7: Technical Specifications.....</b>	<b>49</b>
7.1. Specifications.....	49
7.2. Manufacturers/ Suppliers .....	49
<b>8 Section 8: Draft Contract Agreement.....</b>	<b>51</b>
<b>9 Section 9: Appendix and Forms of Tender .....</b>	<b>54</b>
9.1 Appendix 1: Metro Alignment.....	54
9.2 Appendix 2: Quality Assurance.....	56
9.3 Form 1: Letter of Proposal Submission .....	58
9.4 Form 2: Firm Details.....	59
9.5 Form 3: Capability Statement.....	60
9.6 Form 4: Work Experience.....	62
9.7 Form 5: Financial Capability Details.....	63
9.8 Form 6: Memorandum.....	65
9.9 Form 7: Undertaking .....	66
9.10 Form 8: Power of Attorney.....	67
9.11 Form 9: Bid capacity Information .....	69
9.12 Form 10: Salable Form for Tender Document.....	71
9.13 Form 11: Declaration of Refund of Earnest Money .....	72
9.14 Form 12: Undertaking pertaining to Personnel.....	73

**RFP for Annual Maintenance contract for Track of N-GN corridor and Metro Depot.**

9.15	Form 13: Resources proposed for the O&M - Plant & Equipment .....	74
9.16	Form 14: Proposed Personnel.....	75
9.17	Form 15: Obligation/ Compliance to be ensured by Contractor .....	76
9.18	Form 16: Proforma for Clarifications / Amendments on the RFP .....	77
9.19	Form 17: Bid Offer/ BOQ (Format) .....	78
9.20	Form 18: Undertaking as per clause 4.1b of RFP.....	87
9.21	Form 19: Undertaking as per clause 4.12 of RFP .....	89
9.22	Form 20: List of the Goods, Works & Services Tentatively Proposed to be offered with Local Value Addition.....	90
9.23	Form 21: Bid Details .....	91

## **1. Section 1: General Information**

### **1.1. Background**

- a. Noida and Greater Noida are being developed as the satellite towns to New Delhi and more and more people from Delhi and other areas are shifting to these towns in search of fresh air, greenery and better infrastructure. There is a need of providing an efficient, reliable and comfortable transportation system for the population intending to settle in these towns and also the public coming to these areas for education, service and business.
- b. Noida Metro Rail Corporation is a Special Purpose Vehicle (SPV) formed by Noida and Greater Noida Authorities for planning and executing urban transport projects in Noida, Greater Noida regions. The Corporation desires to provide a world-class Public Transportation System with state-of-the-art technology. As such, the overarching criterion for setting up of the Corporation is to help create an efficient, safe, reliable, economical and affordable public transport system.
- c. An elevated metro line between Noida and Greater Noida is already under operation since January 2019.
- d. NMRC invites E-Bids for selection of Contractor **for Annual Maintenance contract for Track of N-GN corridor and Metro Depot.**
- e. In this regard, the Corporation now invites the interested Bidder/s to submit their proposals as per provisions of this RFP Document.
- f. NMRC will shortlist the Bidders on the basis of evaluation criteria mentioned in this RFP Document. On the basis of the minimum evaluation criteria, qualified Bidders will be shortlisted and financial proposal of only qualified Bidders will be opened.

### **1.2. About Metro Locations**

The metro corridor is 29.7 km long and is known as Noida Greater Noida Metro Rail Corridor. It comprises 21 metro stations starting from Sector 51 in Noida and ends up at Depot Station in Greater Noida. The map is in Appendix 1: Metro Alignment

### **1.3. Communication**

All communications should be addressed to -

GM (Technical)  
Noida Metro Rail Corporation (NMRC) Limited  
Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29,  
Noida -201301  
District Gautam Budh Nagar, Uttar Pradesh  
Email: nmrcnoida@gmail.com

## **2. Section 2: Terms of Reference**

### **2.1. Objective**

The objective of the contract is the maintenance completion, testing and commissioning of the permanent works by the Contractor (including without limitation, the maintenance and removal of the Temporary Works) and the rectification of defects appearing in Permanent Works in the manner and to the standards and within the time stipulated by the Contract. In full recognition of this objective, and with full acceptance of the obligations, liabilities and risks which may be involved, the Contractor shall undertake the execution of the Works.

### **2.2. General**

2.2.1. The maintenance of the Permanent way shall be done in accordance with Employer's Requirements and the other requirements of the Contract.

2.2.2. The Maintenance Works shall be executed to the highest standards available using proven up-to-date good Engineering practices. The Specification shall in any case not specify standards which, in the Engineer's opinion, are less than or inferior to those described in the Technical Specifications contained in the Tender Documents.

### **2.3. Scope of Works**

2.3.1. Thorough cleaning of track beds, central drain of viaduct, cleaning of water logged Track area excluding stations platform by brush, broom etc. The disposal of rubbish, muck etc after cleaning, has to be done by contractor to the dumping ground approved by Municipality. For the waste disposal, contractor shall use clean dustbins, which are filled & then are completely sealed & in the sealed condition they are transported to approved dumping ground in such manner that Environment is least affected by this activity. All tools and plants required for the work will be that of the contractor. This work has to be done once in 30 days or as directed by Engineer-in-charge. This work has to be done as per the direction of Engineer-in-charge.

2.3.2. Cleaning of hand rails on viaducts by contractor's own tools, consumables and equipment. This work is to be done at the frequency same as that of item no. 1 of the BOQ or as directed by Engineer – in – charge or his authorized representative.

2.3.3. Picking up of slacks of plain track and point and crossing as directed by the engineer in charge to restore track parameters within the prescribed tolerances to the satisfaction of the engineer as and when required on depot/ main lines with contractor's tools and plants as listed. Small Track Machines as required for the work will be supplied by NMRC on loan free of cost, which shall be returned after completion of work in good & in working condition without causing any damage to the machine.

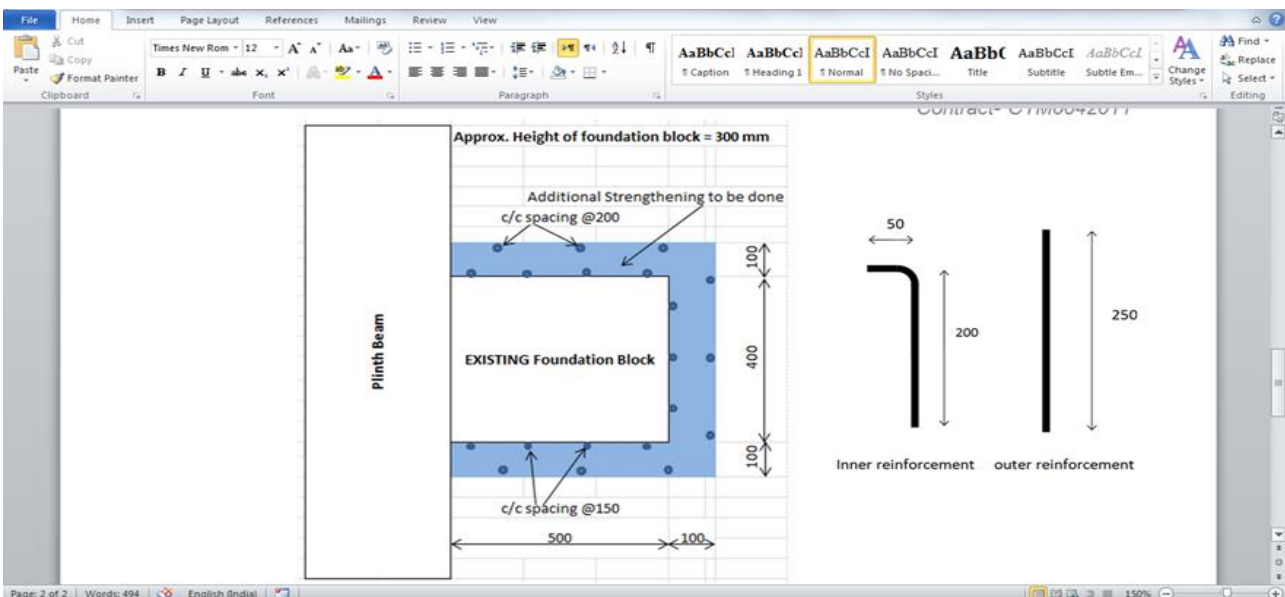
2.3.4. Providing workmen proficient in track work in day & night shift as per requirement given by Engineer in charge.

2.3.5. Greasing of gauge face of running rails in curves/Turn out by SERVO GEM RR 3 grease of Indian Oil Corporation Ltd. or equivalent with contractor's labour, material and tools etc. Care should be taken during greasing that no grease should come in contact with Rail Top table. This item is to be operated on curves of radius up to 500m as per directions of Engineer in charge.

2.3.6. Grass / Bushes cutting work on main line have to be done generally during non-revenue hours however efforts will be made to get this work done during day time with complete safety precautions as laid down. However this activity in NMRC Depot & yard and outside NMRC boundary will be carried out in day time with contractor's own tools & plants. After cutting, disposal of the same has to be done in approved Dumping Ground on the same day or as directed by the Engineer-in-charge.



- 2.3.7. Removal of Garbage / Grasses and disposal with the help of Tractor Trolley as directed by Engineer’s In-charge.
- 2.3.8. Marking of stations of curves/ Turnouts to be carried out as and where required in Main Line/Yard. Section.  
The work involve surface preparation by proper cleaning of surface from all dirt, scales, oil, grease and other foreign material and making station base with adequate nos. of coat to give uniform finish with Yellow paint of approved brand, and lettering as required over these station base with black paint. The work shall be carried out with contractors own men and material and as per the direction of Engineer in Charge.
- 2.3.9. Dressing of Shoulder ballast to be done in day time in depot. The shoulder ballast should be dressed properly as per the LWR profile as per the requirement given by Engineer in Charge.
- 2.3.10. Partially overhauling of shoulder ballast to be done in day time in depot. Shoulder ballast to be open 600 mm width, 300mm depth in single track length. After opening, ballast to be cleaned. Cleaned ballast to be put back in the track as per LWR profile. During working it should be ensured that core ballast not to be disturbed.
- 2.3.11. Patrolling of track by trained and qualified manpower having a minimum qualification of tender requirement with 3 years of experience or retired railway track personnel. The patrolling shall be carried out with contractors own lighting arrangement, tools and equipments etc. and shall be carried out weekly or as per the direction of Engineer. During patrolling one person per rail (i.e. 2 persons per track) shall be deployed. Any defect or abnormality noticed by the patrolman during track patrolling shall be noted and reported immediately to the NMRC’s shift in charge.
- 2.3.12. Providing trained and qualified manpower for 8 hours shift having a minimum qualification of tender requirement for carrying out various inspection of track such as curve, point inspection, etc. or any other track maintenance activities in Night/Day shift only as per the direction of Engineer in charge.
- 2.3.13. Greasing of pandrol clip to be done at day hours in yard & non revenue hours in main line. Pandrol clips to be opened alternate sleepers and cleaning to be done by brush. After cleaning, greasing of pandrol clips to be done by Graphite 4080 grease. During working it is to be ensured that work to be done in desired temperature only.
- 2.3.14. Toe load measurement of Tension clamp in ballast less track during night shift by ITI qualified personnel, proficient device and other equipments shall be provided by NMRC which shall be returned in good condition after the work. It is to be ensured that the reading of Toe load is recorded in register which is kept in P-way office in respective Depot.
- 2.3.15. Dimensional scheme and procedure for strengthening of Second drive of foundation block as required shall be as under.



250 mm long pieces of 10mm bars (TMT / TOR) shall be used as shear connector. The cutting/ bending shall be done by the contractor in advance due to limited period of traffic block and the pieces of shear connectors shall be brought to the site in cut and bent condition. Total 20 nos. pieces of 250 mm length each shall be used, out of which 11 nos. pieces to be used in inner side shall be straight while 9 nos. pieces to be used in outer side shall be in bent condition as shown in the figure. Holes shall be drilled in concrete using 10 mm concrete drill bit as per the scheme, to a depth of 100 mm each. The shear connector (straight pieces for inner side & bent pieces for outer side) shall be inserted inside these holes using hammer. Formwork shall be placed and concrete nominal mix of 1:1:2, prepared in situ, shall be poured around the existing block to the height of existing foundation block. Formwork shall be left in position for at least 24 hours. Curing required shall be done by NMRC staff as per the need and accessibility.

250 mm long pieces of 10mm bars (TMT / TOR) shall be used as shear connector. The cutting/ bending shall be done by the contractor in advance due to limited period of traffic block and the pieces of shear connectors shall be brought to the site in cut and bent condition. Total 20 nos. pieces of 250 mm length each shall be used, out of which 11 nos. pieces to be used in inner side shall be straight while 9 nos. pieces to be used in outer side shall be in bent condition as shown in the figure. Holes shall be drilled in concrete using 10 mm concrete drill bit as per the scheme, to a depth of 100 mm each. The shear connector (straight pieces for inner side & bent pieces for outer side) shall be inserted inside these holes using hammer and Conbextra EP10 of M/s Fosroc shall be poured in each of these shear connectors at the top of concrete hole (filled with reinforcement). Conbextra EP10, as per the prescribed procedure, shall be injected below the existing concrete foundation block to make a bonding between the existing foundations block and deck slab. The Epoxy grout material- Sikadur-53 or equivalent shall be prepared by mixing the components as prescribed by the manufacturer. Shuttering shall be placed and Epoxy Grout material so prepared shall be poured around the existing concrete block up to the height of the existing concrete block. The grout material shall be allowed to harden and gain strength as required by the manufacturer.

2.3.16. Supply of Hydra/ JCB as per the direction of Engineer-in-charge.

2.3.17. All above works excluding Depot works are to be carried out during non-commercial hours. Tentative non-commercial hours are from 00.30 hrs to 04.30 hrs. The contractor will have to arrange necessary Lighting equipments to carry out the above works. In this regard NO Power supply will be given by the NMRC.

**Estimated Man Power Requirement for carrying out work**

Item No.	Description of Work	Shift	Manpower Required		
			Supervisor	Skilled	Unskilled
1	Cleaning of Viaduct	Night	1	0	12
2	Cleaning of Grill	Night		0	4
3	Packing	Night/Day	1	0	14
4	Providing Work man (skilled/unskilled)	Night	0	2	3
5	Greasing of Curves	Night	0	0	4
6	Deweeding	Night/Day	1	0	12
7	Marking of station	Night	1	1	3
8	Dressing of Shoulder ballast	Night	1	0	10
9	Partial Overhauling	Night	1	0	10
10	Patrolling of Track	Night	0	4	0
11	Greasing of Pandrol clip	Night	0	0	4

12	Toe load measurement	Night	0	1	2
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This manpower calculation is tentative and may vary according to actual site requirement.

## **2.4. Track Work**

2.4.1. All activities generally on mainlines shall be carried out during non-traffic hours at night and on depot lines during day times. The non operation hours may be from 00:30 to 04:30 hrs. The work shall be carried on approved block night only. The approved block details will be made available by Engineer In-charge. In case of emergency/ unusual occurrences, the work may have to be done at any hour of day and night. Contractor shall make his own arrangement of lighting for deep screening & other track work. No extra payment will be made for the same.

2.4.2. NMRC track is covered on both sides by boundary walls. The approach to the main line track is only from station. Any contractor's person entering section for carrying out works under the contract shall have to obtain permission from the proper authority.

2.4.3. Contractor shall ensure that all precautions mentioned in chapter –II part J of IRPWM 1986 reprinted in 1999 for maintenance of track on Electrified area (25 KV AC Traction) as applicable is followed and all his staff are well versed with it. In this regard Safety Precautions & Essential Instructions for working in A.C. Traction area of NMRC are also to be followed.

2.4.4. Contractor shall ensure that all precautions to be taken while working in Track circuited area is observed as per Para 279 of IRPWM.

2.4.5. After completion of days/nights works contractor shall ensure that all equipment, tools and plants P.Way material, etc. either released or new are cleared before leaving the site. No material what so ever shall be left behind.

2.4.6. The quantum of work to be done under each item will be indicated to the contractor from time to time, during the currency of the contract & contractor shall instantaneously rise to the occasion and complete the work expeditiously.

2.4.7. For cleaning purpose the width of viaduct is taken as 9 m. At location, where the width of via duct is more, the payment shall be made on prorated basis.

2.4.8. Small Track Machines required for the same shall be provided by NMRC to the contractor free of cost but fuel and consumables cost shall be paid by the contractor. The list of small track machines is as under.

- a. Dip lorry
- b. Abrasive rail cutter
- c. Drilling machine
- d. Rail tensors
- e. Off track tampers
- f. Generator

After completion of the work, these items will have to be returned to the NMRC without causing any damage to them.

2.4.9. Contractor shall provide all tools and plants to his labour with no extra cost to NMRC. Following are the tools and plants used in track maintenance.

- a. Rake ballast 4 prong
- b. Wire Claw 8 prong

- c. Beater
  - d. Crow bar
  - e. Tommy Bar
  - f. Pan iron mortar
  - g. Keying/ spiking hammer
  - h. Consumable for Necessary Lighting arrangement
  - i. Screener for ballast screening
  - j. Any other item as required
- 2.4.10. In case of emergency contractor has to mobilize resources and carry out works at any time of the day and night instantaneously at short notice if directed. The Response time in case of Emergency shall be one hour during commercial hours & Two hours during non-commercial hours. The contractor shall be always ready to attend any emergency if so arise.
- 2.4.11. The quantities shown in the schedule at BOQ are anticipated quantities and may vary depending on the actual requirement during the period of contract. The contractor shall not be entitled to any claim and / or increase in the rates what so ever on account of variation in the quantities of the individual items or of the total contract value.
- 2.4.12. While doing the works, the contractor shall cause least inconvenience either to the traveling public or to the station staff or to the NMRC rakes.
- 2.4.13. The contractor is advised to inspect the entire length of track on via-duct between specified chainages where different works will be executed after obtaining permission during Non-commercial hours on Power Block day only to acquaint him-self and assess before hand difficulties likely to come across in respect to men ,material, access to site, restrictions on At-grade/Via-duct/yard, restrictions in plying the trucks on roads imposed by police, lighting, water supply and so on.
- 2.4.14. The P-Way materials shall be issued to the contractor for using for the Bonafides works covered by the contract only and acknowledgement of the same shall be given by the contractor's supervisor in-charge of work. After completion of work, the contractor will have to be give a detailed account of the materials used & balance materials shall be returned to the NMRC. If balance materials are not returned or any deviation is found, then the quantity not returned or deviated quantity shall be Charged at the double value of Book Rate as prescribed by the NMRC & in all such cases, the decision of the NMRC shall be final.
- 2.4.15. The quantity used shall be in proportion of the requirement which shall be justified by the contractor & will be verified by the NMRC.
- 2.4.16. The issue of P-Way material to the contractor shall be progressive as the works progresses and the contractor shall not demand unreasonable large quantities of material to be issued to him in advance. NMRC reserves the right to determine the quantity of materials to be issued at any stage and their decision in the matter shall be final and shall not be the basis for any claim by the contractor.
- 2.4.17. Such P.Way material as has been issued to the contractor but left behind with him not utilized shall be returned by the contractor at no extra cost to NMRC to any nominated depot /PWI store of NMRC. If the contractor fails to return such material, cost of such materials will be recovered from him at double the book rates. The material to be returned shall however be in reasonably good condition as originally issued.
- 2.4.18. NMRC reserves the right to inspect any of the depots of the contractor where NMRC's material has been stored and also to inspect the places where the contractor fabricates or otherwise processes these materials and the contractor shall provide all facilities for such inspections.

**RFP for Annual Maintenance contract for Track of N-GN corridor and Metro Depot.**

- 2.4.19. The contractor shall not transfer any of the material issued to him by the depots or fabrication yard or the site of work.
- 2.4.20. The contractor shall ensure that all his staff shall wear proper uniform with personal protective equipments including helmet , safety shoes and illuminated jacket etc. while working.
- 2.4.21. No advances shall be paid to contractor.
- 2.4.22. The contractor will not cause any damage to the NMRC property or assets. If any such damage is caused, the contractor will have to pay the cost of such Damage & NMRC Decision in the issue will be final.
- 2.4.23. The contractor will have to complete the work during specified time. While working in the non-commercial hours works have to be completed & men & materials will have to be removed by 4.00 hrs or as specified from time to time. Instructions of the employer given from time to time shall be followed.
- 2.4.24. The quality of the work shall be as per the standards.
- 2.4.25. The contractor shall use standard tools & materials as specified or as per the requirement of Approved or reputed Brands as the case may be.
- 2.4.26. The contractor shall take all necessary safety measures & precautions and the contractor shall be entirely responsible for the safety & security of his men & materials.
- 2.4.27. The contractor may have to use necessary communication equipments like mobiles / WLL / Walky-talky as per requirement.
- 2.4.28. If the same item or condition features in the special conditions of the contract & General conditions of the contract, then the item or condition mentioned in the special conditions of the contract alone will be applicable.
- 2.4.29. Contractor shall provide Photo-identity cards to all his staff & supervisors.

## **2.5. Land**

- 2.5.1. The land required for the contractors office /stores will be allotted free of cost, if available, to the extent considered & justified by NMRC in the vicinity up to the completion period. However, this will not be binding on NMRC. The land or area will be maintained by the contractor.
- 2.5.2. After completion of the work, the contractor shall clear all land under his temporary occupation to its original shape and condition without any extra cost to NMRC and hand it over to NMRC without any encumbrances within one month of completion of the work. In the event of failure to clear the site, NMRC will get this done through another agency at contractor's cost.

## **2.6. Material to be supplied by NMRC**

- 2.6.1. All P-Way material (i.e. Rails, fish plates, other P.Way fittings) are to be supplied by NMRC free of cost unless otherwise specified elsewhere in the tender documents.
- 2.6.2. The P.Way material required as mentioned above shall be issued from NMRC nominated Depot/PWI store.
- 2.6.3. The contractor shall make his own arrangement for getting the departmental small track machines used for the work, unloaded, handling, leading of such material including any other incidental and transporting to site of work, for use without any extra cost.
- 2.6.4. The contractor shall be fully responsible for safe handling and safe custody of small track machines and P.Way materials & fittings. In case of their loss due to any cause what so ever, or the materials becoming

unsuitable for use for any reason what so ever, the cost of material shall be recovered from the contractor at double the book rate.

**THE MAINTENANCE OF PERMANENT WAY  
PART – ‘H’  
Maintenance of Track in Track Circuited Areas (Lengths)**

**279. Precautions to be taken while working in track circuited area -**

- 1) The Permanent Way Inspector should instruct the staff not to place across or touching two rails in the track, any tool or metal object which may cause short circuiting.
- 2) All gauges, levels, trolley and lorries used on the track circuited length should be insulated.
- 3) Steel or C.I. pipes used for carrying water/gas under the track should be run sufficiently below the rails to prevent any short circuiting.
- 4) While carrying out track maintenance, care should be taken to see that no damage of track circuit fittings like rail bonding wires, lead wires to rails, both legs, jumper wires etc., takes place.
- 5) Use of steel tapes should be avoided in track circuited section.
- 6) Pulling block of rails should be done in track circuited areas in the presence of S&T staff, where signaling connections are avoided.
- 7) Proper drainage should be ensured so as to avoid flooding of track during rains, particularly in yards, where watering of coaches is done and in water columns and ash pits. It would be desirable to provide washable concrete aprons on platform lines at originating stations, in track circuited area.
- 8) Ballast must be kept clean throughout the track circuited section and care should be taken to see that the ballast is kept clear of the rails and rail fastenings. The clearance from the foot of the rail should not be less than 50mm. During every packing this point should be taken note of.

**280. Insulated joints-**

- 1) **Description:-** Track circuited sections are ‘insulated’ electrically from the track on either side by insulated joints. The standard insulated joint in normal use, is made out of ordinary fish-plates duly planed on the fishing planes for accommodating channel type insulation between rails and fish plates with ferrules/ bushes over the fish bolts and end posts between the rail ends.  
Failure of the insulated joints results in failure of track circuits. Hence more care has to be exercised in maintenance of insulated joints.
- 2) **Laying and maintenance:-**
  - a. Insulated joints wherever provided shall be maintained as square joints. Where staggering cannot be avoided, the distance between staggered joints should not exceed the minimum wheel base of the vehicles.
  - b. Rail ends of the insulated joints shall be square and true. All rough edges and burrs should be removed from bolt holes. Battered ends must be put right and the gap between the rails should be equal to the thickness of the end post.
  - c. Fish bolts at the joints must be kept tight and the sleepers well packed in the vicinity of the joints.
  - d. Rail end shall be kept free from brake dust, dirt sand, rust, other foreign materials etc. All rough edges and burrs at the rail ends must be removed.
  - e. The heads of dog spikes/screws should not be allowed to touch the fish plates.
  - f. Keys of anti-creep bearing plates on adjacent sleepers to the insulated joints should not be allowed to touch each other, as they may cause short circuiting
  - g. Particular care should be taken to ensure that the spikes/screws do not protrude below the sleepers.
  - h. To avoid crushing of end posts of insulate joints, creep should be effectively arrested. At least one rail length on either side of the insulated joint should be provided with anti-creep devices.
  - i. Rail screws should preferably be used in place of dog spikes at insulated joints.

**281. Glued insulated joints**

**1) General**

- a. Glued insulated joints have been developed using resin adhesives. These joints consist of web-fitting fish - plates glued to the rails with a high polymer adhesive and bolted with high tensile steel bolts. The insulation is provided by special type of insulating side channels, bushes and end posts made of fiber glass cloth roving.
- b. In all future works of Track circuiting Glued insulated joints which have better insulation qualities should preferably be provided in place of standard insulated joints.
- c. The instructions for fabrication, installation and maintenance of glued insulated rail joints as given in the "**Manual for Glued Insulated Rail Joints, 1998**" issued by RDSO. Should be strictly followed.

## **2) Maintenance of Glued Insulated Joints**

- a. The joint normally does not need any special maintenance other than that required for normal track.
- b. The ballast used in track in the vicinity of glued insulated joints shall be clean to ensure efficient packing and drainage. Care should be taken to see that the ballast is clear of rails and rail fastenings. The clearance from underside of the rail must not be less than 50mm.
- c. As in the case of standard insulated joints, the metal burrs at the end of the rails shall be removed well in time to avoid short circuiting, without damaging end posts.
- d. In the glued joints, normally no relative movement occurs between rails and fish plates. In case, failure of joint occurs by separation of rail, fish-plate surfaces, with consequent relative movement, the damaged glued joint shall be replaced.
- e. It shall be ensured that live cinders which can cause damage to glued insulated joints are removed from the vicinity of joints. At locations prone to such droppings, provision of protective boxes of asbestos or other material of suitable design may be thought of.

## **THE MAINTENANCE OF PERMANENT WAY PART – ‘J’ Maintenance in Electrified Areas**

### **282. General Instructions to staff**

- 1) General Knowledge of Engineering Staff
  - (a) Every engineering official working in electrical traction area shall be in the position of a copy of rules framed for the purpose of the operation of the Traction Power Distribution system pertaining to Engineering Department and ensure that staffs working under him are also acquainted with the rules. He will ensure that rules pertaining to carrying out engineering works are strictly observed.
  - (b) All electrical equipment, every power line or cable shall be regarded as being ‘live’ at all times. No work shall be commenced adjacent to any electrical equipment except on authority issued in writing by a competent official of the Electrical Department to the effect that the equipment has been made dead and earthed.
- 2) Defects in an Over Head Equipment - Defects or breakdowns in the overhead equipment including track and structure bonds noticed by the Engineering staff shall be reported immediately to the Traction Power Controller.
- 3) Traction bonds - In electrified areas the return current fully or partially flows through the rail. To ensure a reliable electrical circuit continuity and also to ensure proper earthing in case of leakage of current, various types of traction bonds are provided at suitable places and maintained by the Electrical Traction Department.
  - (a) Structure bonds - All structures supporting overhead equipment either in A.C or D.C. track circuited areas are connected to the running rails for ensuring good earthing. Failure of insulator or leakage of current switches off the supply good earthing. Failure of insulator or leakage of current switches off the supply from the sub-station so that men coming in contact with supporting structure etc. do not get electric shock. Removal or tampering of such bonds can, therefore, result in unsafe conditions. Since the structures are grouted in concrete, they are

likely to become charged in case such bonds are kept disconnected. Similarly other steel structures such as foot-over bridges, sheds, etc., in the vicinity of O.H.E. lines are also connected to rails through similar structure bonds.

### **283. Special Instructions to Staff Working In Traction Area**

- 1) Need for Precautions- Precautions are required to be taken on account of following:
  - (a) Proximity of a Live Conductor. -The risk of direct contact with live O.H.E. is ever present while working in electrified sections such as for painting of steel work of through span of bridges and platform cover.
  - (b) Build up of potential due to return current in rails. - The return current in the rails may cause a potential difference-
    - (i) Between rail and the surrounding mass of earth.
    - (ii) Between two ends of a fractured rail.
    - (iii) Between the two rails at an insulated joint.
    - (iv) Between earth and any other metallic mass
  - (2) The following precautions should, therefore, be taken while working in traction areas:
    - (a) No work shall be done within a distance of two meters from the live parts of the O.H.E. without a 'permit-to-work'.
    - (b) For work adjacent to overhead equipment the Engineering Inspector shall apply to the proper authority sufficiently in advance for sanctioning traffic and power block required.

The Traction Power Controller through Traction staff will arrange to isolate and earth the section concerned on the date and at the time specified in consultation with the Traffic Controller. He shall then issue 'permit-to-work' to the Engineering Inspector. On completion of the work the 'Permit-to-work' should be cancelled and traction power controller advised who will then arrange to remove the earth and restore power supply.
    - (c) No part of the tree shall be nearer than 4 meters from the nearest live conductor. Any tree or branches likely to fall on the live conductor should be cut or trimmed periodically to maintain the clearance. Cutting or trimming of trees affecting O.H.E. may be carried out by letting out the same on yearly contract basis. The contract shall be finalized and controlled by the Engineering branch, however the expenditure shall be debited to revenue grant of the TRD branch. The work will be executed under supervision of TRD staff to ensure safety and satisfactory completion of work.
    - (d) No fallen wire or wires shall be touched unless power is switched off and the wire or wires suitably earthed. In case the wires drop at a level crossing, the Gatekeeper shall immediately make arrangements to stop all road traffic.
    - (e) Work on Station roofs and Signal Gantries. - Staff working on station roofs and signal gantries and similar structures adjacent to Live Overhead Equipment shall not use any measuring tapes, tools and materials when there is a possibility of their being dropped or carried by wind on to the live overhead equipment.
    - (f) Earth work - For excavation work adjacent to tracks, following action is taken
      - (i) In D. C. traction areas, intimation should be given in writing sufficiently in advance to the concerned Traction Distribution Officer to enable him to depute the Traction staff to be present in order to prevent possible damage to the traction underground feeder cables which are always located near the running lines.
      - (ii) In A. C. traction areas, intimation should be given to the concerned officers of the Electrical General services and also S. &T. Department, since all the S. & T. and Electrical lines are cabled on account of Electrical Induction.

In all A. C. and D. C. traction areas, cable markers showing location of cables are provided by the Traction Department. In addition, the cables are protected by tiles and bricks, during excavation if workman comes across such tiles or bricks in an arranged manner; they should at once report the matter to the higher officials. Any further excavation should be carried out only in the presence of the authorized staff of Electrical Traction and or S. & T. Department as the case may be.
    - (g) Alteration to tracks - The relative alignments of the centerline or the track with respect to the alignment of the contact wire must be maintained within the specified tolerances. This applies to both horizontal and vertical clearances. Slewing or lifting of track must not be done outside the agreed maintenance limits, unless the position of the contact wire is altered at the same time. Adjustment of cant has a magnified effect of the horizontal displacement of the centre line of the track with respect to the alignment of the contact wire.



Horizontal clearances to structures within the limits laid down in the Schedule of Dimensions must be maintained. For Slewing or alterations to track involving adjustment of contact wire (outside the agreed maintenance limits) sufficient notice should be given to the traction staff so that they arrange to adjust the overhead equipment.

- (h) Alterations to Track bonding: - All bonds removed by the staff of the Engineering Department shall be replaced by the staff of the Engineering Department and all such removals and replacement shall be reported to the Assistant Electrical Engineer, Traction Distribution in-charge, concerned without delay.
- (i) Working of Cranes: - No crane shall be worked except on authorized 'permit-to-work'. In every case of working a crane, arrangement should be made for the presence of authorized overhead equipment staff to ensure that all safety precautions are taken.
- (j) Inspection of Tunnels: - For inspection roofs and sides of a tunnel, the overhead equipment shall be rendered 'dead'. Special insulated apparatus should be used if sounding the unlined portions to locate loose rock in the roof and sides, is required to be carried out, when the overhead equipment is 'live'.
- (k) As far as possible closed wagons shall be used for material trains. In case open or hopper wagons are used, loading unloading of such wagons in electrified tracks shall be done under the supervision of an Engineering official not below the rank of a Permanent Way Mistry who shall personally ensure that no tool or any part of body of the workers comes within the 'danger zone' i.e., within 2m of O.H.E.
- (l) Steel tapes or metallic tapes with woven metal reinforcement should not be used in electrified tracks. Linen tapes are safer and, therefore, should be used even though they are not accurate.
- (m) The top foundation blocks in electrified structures should be kept clear of all materials.

#### **284. Maintaining continuity of track**

- 1) During maintenance or renewal of track, continuity of the rails serving electrified tracks shall invariably be maintained. For bridging gaps, which may be caused during removal of fishplates or rails, temporary metallic jumpers of approved design shall be provided as under. The necessary jumper will be provided by the Electrical Department on requisition.
- 2) In case fracture of rail, the two ends of the fractured rail shall be first temporarily connected by a temporary metallic jumper of approved design .In all cases of discontinuity of rails, the two parts of the rail shall not be touched with bare hands; Gloves of approved quality shall be used.
- 3) In the case of track renewals temporary connection shall be made as shown
- 4) In the case of broken or defective rail bond, temporary connections shall be made as shown.
- 5) Before fishplates are loosened or removed temporary connections shall be made

#### **286. Additional precautions in A. C. Traction area.**

The following additional precautions are required to taken in A. C. traction areas: -

- 1) Build-up of potential due to induction in metallic bodies situated close to O.H.E.- It is important to note that dangerous voltages may be induced in metallic masses such as fencing posts in the vicinity of traction conductors. To avoid possibility of shock due to such voltages, the metallic structures are bonded together and earthed.
- 2) Unloading of rails. - When unloading rails along tracks, care shall be taken to ensure that rails do not touch each other to form a continuous metallic mass of length greater than 300 meters.
- 3) Permanent way staff is advised to keep clear of the tracks to avoid contact with the rails when an electrically hauled train is within 250 m.

#### **287. Fire in electrified areas**

The Permanent Way Officials noticing a fire likely to result in loss of life or cause damage to property shall take all possible steps to prevent it from spreading and to extinguish it. In case the fire is on adjacent to any electrified equipment, the Permanent Way Official shall make no attempt to extinguish the fire but shall report the occurrence of fire to the nearest Station Master by most expeditious means.

## **288. Permanent way tools**

Permanent Way tools (insulated and uninsulated) along with gloves shall be used in manner as approved.

### **Safety Precautions and Essential Instructions for Working in A.C. Traction Area**

#### **DO(S) AND DON'T(S)**

##### **For All Staff**

##### **DO(s)**

- 1) In case of fire on electric traction equipment or wires:
  - a) Inform Traction Power Controller (TPC)
  - ii) Extinguish fire by special extinguishers (Carbon tetrachloride or carbon dioxide type), if available.
  - iii) Ensure no water jet directed at the fire is used under any circumstances.
- 2) Anything Unusual on traction wires or electric rolling stock, inform Traction Power Controller or nearest Station Master.
- 3) In any emergency – speak to Traction Power controller through the nearest means of communication.
- 4) Large metallic structures such as fencing, structural steel work of platform running parallel to the track should be earthed suitably.
- 5) Any tree or branches likely to fall on live conductor or nearer than 4m from the nearest live conductor shall be cut or trimmed by concerned staff in the presence of authorized staff of OHE.
- 6) Before taking up the work on a line running parallel to 25kV AC lines, the line shall be earthed on both the sides of the working party.
- 7) Ensure that distance between the two earths used for protection of working party does not exceed 1km.
- 8) Keep clear of the track and avoid contact with the rails when electric train within 250m.
- 9) Special care should be taken to carry long pipes, poles or ladders so that it should not come in contact with or within 2m of live OHE.

##### **DON'T(s)**

- 1) DO NOT approach within 2 meters (approximately 7 feet) of any traction wires or live equipment.
- 2) DO NOT work on or near traction wires or any live equipment unless they are made dead. Earthed and shut down notices/permit to work obtained.
- 3) DO NOT enter any switching station or remote control centre unless specially permitted.
- 4) DO NOT permit unauthorized persons to operate any equipment even if it be for making it dead.
- 5) DO NOT disturb any earthing or bonding or traction wires or connections to BEC (buried earth cable) or OPC (overhead protection cable).
- 6) DO NOT touch a person in contact with live traction wires. Remove body only after power supply is switched off & earthed.
- 7) DO NOT forget to give artificial respiration to the victim as per the prescribed procedure laid down at shock treatment charts.
- 8) DO NOT touch any traction wire hanging from the mast or fallen on the ground and do not allow anyone else to touch it.
- 9) DO NOT operate crane on or near traction OHE unless an authorized representative of the OHE is present.

##### **For Permanent Way Staff**

**DO(s)**

- 1) Maintain the correct level of height gauges at level crossing.
- 2) Provide rail jumper connections wherever a fish plate is to be removed or rails are to be removed (specially on tracks with wooden sleepers)
- 3) Ensure that insulated paint on your tools is intact.
- 4) In case of rail fractures, two ends of the fractured rail shall be first temporarily connected by a temporary metallic jumper and then further action should be taken.
- 5) In case of discontinuity of rails, two parts of rail should not be touched with bare hands. Gloves of approved quality shall be used.
- 6) Ensure the continuity of the plinth.
- 7) While unloading rails along side the tracks, ensure that rails do not touch each other to form a continuous metallic mass of length greater than 300m.
- 8) Maintain continuity of rails during maintenance or renewal of the track.
- 9) Staff, working on installations directly in contact with rails, should use tools of the type approved by their departments.

**DON'T(s)**

1. DO NOT continue working till last minute in the face of an approaching electric train-clear the line early.
2. DO NOT use steel measuring tapes or long metallic wires.
3. DO NOT dump ballast, earth or ashes against the foundations of the masts and keep the top of the muffing clear.
4. DO NOT raise the track above the high rail level mark specially under over line structures.
5. DO NOT damage the plinth continuity, connection to BEC, OPC, handrail continuity.

**Other Points to be remembered**

1. It is dangerous to go within 2 meters (7 feet) of the live equipment. This is 'DANGER ZONE'.
2. Power Block means blocking of section of the line to the electric traffic only.
3. No material should be stacked either on the mast or on mast foundation.
4. When a motor vehicle with rubber type is to be transported in an open wagon, the metal body shall be bonded to the wagon body by means of two independent solid connections by copper wire or galvanized iron flat or steel ropes. It is preferable that lashing used to secure the vehicle are of metallic ropes instead of manilla or other coil ropes.
5. Cases of electric shock arising out of contact with 25kv A.C. Traction equipment shall be reported immediately to T.P.C.
6. Any abnormality observed on the overhead equipment viz. a broken contact wire, catenary wire, brackets, insulators or a hanging dropper etc. must be reported immediately to the Traction Power Controller
7. Every time staff has to be work on signaling and telecom circuits along AC electrified lines, they should take precautions to protect themselves and equipments.
8. Hoarding boards provided in the vicinity of electrified tracks should be located at a safe distance from the track so that in the event of their supporting structures being damaged, it should not fall on the OHE for infringe the track.
9. Do not bridge insulated joints with bare hand or any metallic article in track-circuited area.
10. Do not use the rails as a footpath, a seat or for such other purposes.
11. Do not use steel tape or metallic tape or tape with woven metal reinforcement in electrified area.
12. Do not expose the foundations while excavating.

## **2.7. Other Conditions / Requirements**

**2.7.1. Right of Way** - Right of way (within NMRC land) to the work site will be provided to the Contractor.

### **2.7.2. Responsibility for Specifications**

#### **2.7.3. Specifications**

Testing and reporting is to be done as per the “**Indian Railway P.Way Manual (Provisional) Revised,**” (Addendum & Corrigendum issued by RDSO/Indian Railway will supersede wherever applicable & compliance to provisions of specification with correction slips issued up to date shall be ensured). In case of any conflict, the Special Conditions shall prevail.

The Contractor shall promptly inform the Engineer of any error, omission, fault and other defects in the Specifications, which are discovered when reviewing the Contract Documents or in the process of execution of the Works.

#### **2.7.4. Use and Care of Site**

The Contractor shall not demolish, remove or alter structures or other facilities on the site without prior approval of the in-charge.

Necessary permissions/approval of the Employers representative shall be obtained before carryout

#### **2.7.5. Accidents**

It shall be the entire responsibility of the contractor to adopt all the safety measures & deploy the personnel who are adequately trained in safety. If any accident occurs within the NMRC jurisdiction while carrying out the works or due to negligence on the part of the contractor's personnel, it shall be the full responsibility of the contractor

#### **2.7.6. Access Roads and Haul Roads**

Existing roads and other public roads may be used by the Contractor to carry out works with prior approval of the competent authority. The Contractor shall pay the statutory vehicle license and permit fees for use of public roads.

The Contractor shall repair any damage to the road or bear the cost thereof due to movement of contractor's plants and equipment, vehicles etc. to the specifications and satisfaction of road authorities as well as of Engineer.

#### **2.7.7. Program of Works**

The period of contract is **36 Months** from the date of commencement of work. However the work should be started within **7 days** after issue of NOA by the competent authority as and when required.

The contractor should work round the clock if required. The major activities, which are affecting the commuters/ traffic to be done at the non-operational hours.

#### **2.7.8. Penalty**

If the work is failed due to unavailability of labourers the Min. Penalty of Rs. 5000/- per day shall be charged.

If the delay of block and TSR due to contractor fault the min penalty of Rs. 10000/- of per delay of block shall be charged.

If the unavailability of supervisor the minimum penalty of Rs. 1500/- per day shall be charged.

#### **2.7.9. Maintenance Records**

Contractor will have to maintain proper records of Track Maintenance activities. Some of the records to be maintained are as below.

- i) Deployment of Manpower in each shift
- ii) Availability of Track Machines
- iii) Details of deep screening work, packing of sleepers and other track activities carried out in each traffic block

Apart from above, all supervisors & all track personnel will have to sign in attendance register which will be kept in P-Way office at the starting of shift.

### **2.7.10. Submitted by Successful Tenderer and Commencement of Work**

Successful Tenderer shall ensure that only trained staff having Railways / metro track maintenance / construction experience is deployed.

Deployment of Track machines along with Technical details like make, capacity, present conditions etc are to be submitted for approval.

Deployment of supervisors as mentioned in along with CVs of the personnel and Police Verification Report.

- Each CV shall have the current photographs of the person and shall be signed by the person.
  - Each CV shall be submitted duly verified by the contractor.
  - CV shall contain the following information but not limited to:-
    - Name in full
    - Father's name
    - Date of Birth
    - Present Address
    - Permanent Address
    - Educational Qualification
    - Track Maintenance Experience
    - Any other experience
- On top of every CV, the proposed category is also to be indicated.
- Deployment of labourers with ID Cards of the personnel and Police Verification Report.

However, the successful Tenderer shall commence the work within 7 days from the date of issue of Letter of acceptance of NOA.

### **2.7.11. Tenure**

The tenure for services shall be for a period of 03 (Three) years.

## **3. Section 3: Instructions to Bidders**

### **3.1. General instructions**

- a. A tenderer shall submit only one bid in the same tendering process, individually as a tenderer. A tenderer who submits or participates in, more than one bid will cause all of the proposals in which the tenderer has participated to be disqualified. No tenderer can be a sub-contractor while submitting a bid in the same bidding process. A tenderer, if acting in the capacity of subcontractor in any bid, may participate in more than one bid, but only in that capacity.
- b. The Bidder shall initiate, and actively pursue and involve itself in all investigations and enquiries, Corporation feedbacks, information, convening of and attendance at meetings, and in any other activities as are or may be necessary for producing high quality work as per the requirements.
- c. The Bidder shall carry out the services in compliance with the provisions of this Agreement. Any and all changes necessary to ensure that the Bidder's documents conform to the intent and purpose set out in the Agreement, shall be made at the Bidder's own expense. The Bidder represents that it is a professional and experienced company, and hereby agrees to bear full responsibility for the correctness and technical merit of the services performed.
- d. Bidders shall be evaluated on the basis of the Evaluation Criteria specified in this document. Bidders shall be deemed to have understood and agreed that no explanation or justification for any aspect of the Selection Process will be given and that NMRC's decisions are without any right

of appeal whatsoever.

- e. Any entity which has been barred by the Central/State Government in India or by any entity controlled by them, from participating in any project, and the bar subsists as on the date of Bid, would not be eligible to submit an e - Bid.
- f. Bidders are encouraged to inform themselves fully about the assignment and the local conditions before submitting the e-Bid by paying a visit to the Corporation and/or by sending written queries to NMRC before the last date for receiving queries/clarifications.
- g. NMRC shall not be liable for any omission, mistake or error on the part of the Bidder in respect of any of the above or on account of any matter or thing arising out of or concerning or relating to e-Bid or the Selection Process, including any error or mistake therein or in any information or data given by NMRC.
- h. The currency for the purpose of the Proposal shall be the Indian Rupee (INR).
- i. Tenderers shall not have a conflict of interest. All Tenderers found to have a conflict of interest shall be disqualified. Tenderers shall be considered to have a conflict of interest with one or more parties in this bidding process, if:
  - i. A tenderer has been engaged by the Employer to provide consulting services for the preparation related to procurement or implementation of the project;
  - ii. A tenderer is any associates/affiliates (inclusive of parent firms) mentioned in subparagraph above; or
  - iii. A tenderer lends, or temporarily seconds its personnel to firms or organizations which are engaged in consulting services for the preparation related to procurement for an implementation of the project, if the personnel would be involved in any capacity on the same project.

### **3.1.1. Cost of Bid Document / e-Tender processing Fee**

- a. The tenderer shall bear all costs associated with the preparation and submission of its e-Bid and Noida Metro Rail Corporation Ltd. ("NMRC" or "the Corporation"), will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the e-Bid process.
- b. This tender document is available on the website <http://etender.up.nic.in> or on NMRC website ([www.nmrcnoida.com](http://www.nmrcnoida.com)) to enable the tenderers to view, download the e-Bid document and submit e-Bids online up to the last date and time mentioned in e-Tender notice/e-tender document against this e-Tender. The tenderers shall have to pay cost of bid document/ e- Tender processing fee of as mentioned in **Data Sheet** through RTGS/NEFT only payable in favour of Noida Metro Rail Corporation Limited in the A/c No. mentioned in **Data Sheet**. The scanned copy of RTGS/NEFT receipt with transaction Id certified by the same bank must be enclosed along with the e-Bid. This cost of bid document/ e-Tender processing fee as mentioned in **Data Sheet** will be non-refundable. Tender without cost of bid document/ e-Tender processing fee in the prescribed form, will not be accepted.

### **3.1.2. Acknowledgement by Bidder**

It shall be deemed that by submitting the e-Bid, the Bidder has:

- a. made a complete and careful examination of the e-Bid;
- b. received all relevant information requested from NMRC;

- c. acknowledged and accepted the risk of inadequacy, error or mistake in the information provided in the e-Bid or furnished by or on behalf of NMRC;
- d. satisfied itself about all matters, things and information, necessary and required for submitting an informed Application and performance of all of its obligations there under;
- e. acknowledged that it does not have a Conflict of Interest; and
- f. Agreed to be bound by the undertaking provided by it under and in terms hereof.

### **3.1.3. Availability of Bid Document**

This Bid document is available on the web site <http://etender.up.nic.in> or on Noida Metro website [www.nmrcnoida.com](http://www.nmrcnoida.com) to enable the Bidders to view, download the e-Bid document and submit e-Bids online up to the last date and time mentioned in e-Bidder notice/ e-Bid document. The Bidder`s shall have to pay e-Bid document fee and EMD as mentioned in Data sheet through RTGS/ NEFT on addresses given in data sheet. The scanned copy of RTGS/ NEFT with transaction ID certified by the same bank must be enclosed along with the e-Bid. This e-Bid document fee will be non-refundable. Bid without Bid fee in the prescribe form will not be accepted.

### **3.1.4. Clarifications of e-Bid**

- a. During evaluation of e-Bid, NMRC may, at its discretion, ask the Bidder for a clarification of his/her e-Bid. The request for clarification shall be in writing.
- b. Any queries or request for additional information concerning this RFP shall be submitted in writing or by fax and e-mail to the Executive Director, NMRC **only before or during Pre-Bid Meeting** held at NMRC. The envelopes/ communication shall clearly bear the following identification/ title: **"Queries/ Request for Additional Information: RFP for Annual Maintenance contract for Track of N-GN corridor and Metro Depot ."**. The responses will be posted to all such queries on the official Website [www.nmrcnoida.com](http://www.nmrcnoida.com). NMRC reserves the right not to respond to any questions or provide any
- c. Clarifications, in its sole discretion, and nothing in this Clause shall be taken or read as compelling or requiring NMRC to respond to any question or to provide any clarification.
- d. A pre- submission meeting shall be called on the date mentioned in **Data Sheet** at NMRC Office. Any change corresponding to date, if any, shall be communicated to the Bidder vide NMRC/ e-Tendering website.
- e. In case the Bidder seeks for any queries, he shall send letter or e-mail to the correspondence address given in Data Sheet.
- f. However, NMRC shall not entertain any correspondence from the Bidders during the period of e-Bid opening to selection of the successful Bidder. Any wrong practice shall be dealt under Fraud and Corrupt Practices.
- g. The Tenderer is advised to visit and examine the Site of Works and its surroundings and obtain for himself on his own responsibility all information that may be necessary for preparing the Tender and entering into a contract for the proposed work. The costs of visiting the Site shall be borne by the Tenderer. It shall be deemed that the Contractor has undertaken a visit to the Site of Works and is aware of the site conditions prior to the submission of the tender documents.
- h. The Tenderer and any of his personnel will be granted permission by the Employer to enter upon his premises and lands for the purpose of such inspection, but only upon the express condition that the Tenderer, and his personnel, will release and indemnify the Employer and his personnel from and against all liability in respect thereof and will be responsible for death or personal injury, loss of or damage to property and any other loss, damage, costs and expenses incurred as a result of the inspection.

### **3.1.5. Amendment of e-Bid Document**

- a. At any time prior to the deadline for submission of e-Bid, NMRC may, for any reason, whether at its on in iterative or in response to a clarification requested by a prospective Bidder, modify the e-Bid document by amendments. Such amendments shall be uploaded on the e- procurement website <http://etender.up.nic.in> or NMRC's website [www.nmrcnoida.com](http://www.nmrcnoida.com). The relevant clauses of the e-Bid document shall be treated as amended accordingly.
- b. It shall be the sole responsibility of the prospective Bidder to check the web site <http://etender.up.nic.in> or NMRC's website [www.nmrcnoida.com](http://www.nmrcnoida.com) from time to time for any amendment in the e-Bid documents. In case of failure to get the amendments, if any, NMRC shall not be responsible for it.
- c. In order to allow prospective e-Bids a reasonable time to take the amendment into account in preparing their e-Bids, NMRC, at the discretion, may extend the deadline for the submission of e-Bids. Such extensions shall be uploaded on the e-procurement website <http://etender.up.nic.in> or NMRC's website [www.nmrcnoida.com](http://www.nmrcnoida.com).

## **3.2. Preparation and submission of Bids**

### **3.2.1. Language of e-Bid**

The e-Bid prepared by the Bidder, as well as all correspondence and documents relating to the e-Bid exchanged by the Bidder and NMRC shall be written in English language. Only English numerals shall be used in the e-Bid. The correspondence and documents in any other language must be accompanied by transcripts verified by the Embassy of Home Country or equivalent.

### **3.2.2. Documents constituting the e-Bid**

The e-Bid prepared by the Bidder shall comprise the following components:

- a. **Technical e-Bid- Technical e-Bid will comprise of**
  - i. **Fee details** - Details of Bid processing fee and prescribed EMD
  - ii. **Eligibility details** - Includes copies of required documents in PDF format justifying that the Bidder is qualified to perform the contract if his/her bid is accepted and the Bidder has financial & technical capability necessary to perform the contract and meets the criteria outlined in the Qualification requirement and technical specification and fulfill all the conditions of the contract.
  - iii. **Technical evaluation** - Details of all documents needed for technical evaluation as mentioned in this RFP
- b. **Financial e-Bid -**
  - i. **Price bid** – Bill of Quantities in XLS format to be filled in after downloading from the e-Procurement website for this e-tender. There shall be a single quote.

### **3.2.3. Documents establishing Bidder's Qualification**

- a. The Bidder shall furnish, as part of its technical e-Bid, documents establishing the Bidder's qualification to perform the contract if its e-Bid is accepted. The documentary evidence should be submitted by the Bidder electronically in the PDF format.
- b. The documentary evidence of Bidder's qualification to perform the contract if its e-Bid is accepted shall be as per qualification requirements specified in e-Bid document.

### **3.2.4. E-Bid form**

The Bidder shall complete the e-Bid form and the appropriate price schedule/BOQ furnished in the e-Bid document.

### **3.2.5. E-Bid Currency**

Prices shall be quoted in Indian Rupees only.



### **3.2.6. Formats and Signing of e-Bid**

- a. The Bidder shall prepare one electronic copy of the technical e-Bid and financial e-Bid separately.
- b. The e-Bid document shall be digitally signed, at the time of uploading, by the Bidder or a person or persons duly authorized to bind the Bidder to the contract. The later authorization shall be indicated by a scanned copy of written power-of attorney accompanying the e-Bid. All the pages/documents of the e-Bid that are to be uploaded shall be digitally signed by the person authorized to sign the e-Bid.
- c. Bidders should provide all the information as per the RFP and in the specified formats. NMRC reserves the rights to reject any proposal that is not in the specified formats.
- d. In case the Bidders intends to provide additional information for which specified space in the given format is not sufficient, it can be furnished in duly stamped and signed PDFs.

### **3.2.7. Deadline for submission of e-Bid**

E-Bid (Technical and financial) must be submitted by the Bidder at e-procurement website <http://etender.up.nic.in> not later than the time specified on the prescribed date (as the server time displayed in the e-procurement website). NMRC may, at its discretion, extend this deadline for submission of e-Bid by amending the e-Bid document, in which case all rights and obligations of NMRC and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

### **3.2.8. Submission of e-Bid**

- a. The bid submission module of e-procurement website <http://etender.up.nic.in> enables the Bidders to submit the e-Bid online in response to this e-Bid published by NMRC.
- b. Bid submission can be done only from the bid submission start date and time till the bid submission end date and time given in the e-Bid. Bidders should start the bid submission process well in advance so that they can submit their e-Bid in time.
- c. The Bidder should submit their e-Bid considering the server time displayed in the e-procurement website. This server time is the time by which the e-Bid submission activity will be allowed till the permissible time on the last/end date of submission indicated in the e-Bid schedule.
- d. Once the e-Bid submission date and time is over, the Bidders cannot submit their e-Bid. For delay in submission of e-Bid due to any reasons, the Bidders shall only be held responsible.

#### **The Bidders have to follow the following instructions for submission of their e-Bid:**

- a. For participating in e-Bid through the e-Bidding system it is necessary for the Bidders to be the registered users of the e-procurement website <http://etender.up.nic.in>. The Bidders must obtain a user login Id and password by registering themselves with U.P. Electronics Corporation Ltd., Lucknow if they have not done so previously for registration.
- b. In addition to the normal registration, the Bidder has to register with his/her digital signature certificate (DSC) in the e-Bidding system and subsequently he/she will be allowed to carry out his/her e-Bid submission activities. Registering the digital signature certificate (DSC) is a one-time activity. Before proceeding to register his/her DSC, the Bidder should first log on to the e-Bidding system using the user login option on the home page with the login Id and password with which he/she has registered.

For successful registration of DSC on e-procurement website <http://etender.up.nic.in> the Bidder must ensure that he/she should possess class-2/class-3 DSC issued by any certifying authorities approved by controller of certifying authorities, Government of India, as the e-procurement website <http://etender.up.nic.in> is presently accepting DSC issued by these authorities only. The Bidder can obtain user login Id and perform DSC registration exercise given above even before the e-Bid submission date starts. NMRC shall not be held responsible if the Bidder tries to submit his/her e-

Bid at the moment before end date of submission but could not submit due to DSC registration problem.

- c. The Bidder can search for active Bids through "search active tenders" link, select a Bid in which he/she is interested in and then move it to 'My Tenders' folder using the options available in the e-Bid submission menu. After selecting and the Bid, for which the Bidder intends to e-Bid, from "My tenders" folder, the Bidder can place his/her e-Bid by clicking "pay offline" option available at the end of the view Bid details form. Before this, the Bidder should download the e-Bid document and price schedule/bill of quantity (BOQ) and study them carefully. The Bidder should keep all the documents ready as per the requirements of e-Bid document in the PDF format except the price schedule /bill of quantity (BOQ) which should be in the XLS format (excel sheet).
- d. After clicking the 'pay offline' option, the Bidder will be redirected to terms and conditions page. The Bidder should read the terms & conditions before proceeding to fill in the Bid fee and EMD offline payment details. After entering and saving the Bid fee and EMD details form so that "bid document preparation and submission" window appears to upload the documents as per technical (fee details, qualification details, e-Bid form and technical specification details) and Financial (e-Bid form and price schedule/BOQ) schedules/packets given in the Bid details. The details of the RTGS/NEFT should tally with the details available in the scanned copy and the date entered during e-Bid submission time otherwise the e-Bid submitted will not be accepted.
- e. Next the Bidder should upload the technical e-Bid documents for fee details (e-Bid fee and EMD), Qualification details. Before uploading, the Bidder has to select the relevant digital signature certificate. He may be prompted to enter the digital signature certificate password, if necessary. For uploading, the Bidder should click "browse" button against each document label in technical and financial schedules/packets and then upload the relevant PDF/XLS files already prepared and stored in the Bidder's computer. The required documents for each document label of technical (fee details, qualification details, e-Bid form and technical specification details) and financial (e-Bid form and price schedule/BOQ) schedules/packets can be clubbed together to make single different files for each label.
- f. The Bidder should click "Encrypt" next for successfully encrypting and uploading of required documents. during the above process, the e-Bid document are digitally signed using the DSC of the Bidder and then the documents are encrypted/locked electronically with the DSC's of the bid openers to ensure that the e-Bid documents are protected, stored and opened by concerned bid openers only.
- g. After successful submission of e-Bid document, a page giving the summary of e-Bid submission will be displayed confirming end of e-Bid submission process. The Bidder can take a printout of the bid summary using the "print" option available in the window as an acknowledgement for future reference.
- h. NMRC reserves the right to cancel any or all e-Bids without assigning any reason.

### **3.2.9. Late e-Bid**

- a. Bids received by NMRC after the specified time on the Bid Due Date shall not be eligible for consideration and shall be summarily rejected.
- b. The server time indicated in the bid management window on the e- procurement website <http://etender.up.nic.in> will be the time by which the e-Bid submission activity will be allowed till the permissible date and time scheduled in the e-Bid.
- c. Once the e-Bid submission date and time is over, the Bidder cannot submit his/her e-Bid. Bidder has to start the bid submission well in advance so that the submission process passes off smoothly. The Bidder will only be held responsible if his/her e-Bid is not submitted in time due to any of his/her problems/faults, for whatsoever reason, during e-Bid submission process.

### **3.2.10. Withdrawal and resubmission of e-Bid**

- a. At any point of time, a Bidder can withdraw his/her e-Bid submitted online before the bid submission end date and time. For withdrawing the Bidder should first log in using his/her login id and password and subsequently by his/her digital signature certificate on the e-procurement website <http://etender.up.nic.in>. The Bidder should then select "My bids" option in the bid submission menu. The page listing all the bids submitted by the Bidder will be displayed. Click "View" to see the details of the bid to be withdrawn. After selecting the "bid withdrawal" option the Bidder has to click "Yes" to the message "Do you want to withdraw this bid?" displayed in the bid information window for the selected bid. The Bidder also has to enter the bid withdrawing reasons and upload the letter giving the reasons for withdrawing before clicking the "Submit" button. The Bidder has to confirm again by pressing "OK" button before finally withdrawing his/her selected e-Bid.
- b. No e-Bid may be withdrawn in the interval between the deadline for submission of e-Bids and the expiration of period of e-bid validity. Withdrawal of an e-Bid during this interval may result in the forfeiting of Bidder's e-Bid security.
- c. The Bidder can re-submit his/her e-Bid as when required till the e-Bid submission end date and time. The e-Bid submitted earlier will be replaced by the new one. The payment made by the Bidder earlier will be used for revised e-Bid and the new e-Bid submission summary generated after the successful submission of the revised e-Bid will be considered for evaluation purposes. For resubmission, the Bidder should first log in using his/her login Id and password and subsequently by his/her digital signature certificate on the e-procurement website <http://etender.up.nic.in>. The Bidder should then select "My bids" option in the bid submission menu. The page listing all the bids submitted by the Bidder will be displayed. Click "View" to see the detail of the e-Bid to be resubmitted. After selecting the "bid resubmission" option, click "Encrypt & upload" to upload the revised e-Bids documents.
- d. The Bidder can submit their revised e-Bids as many times as possible by uploading their e-Bid documents within the scheduled date & time for submission of e-Bids.
- e. No e-Bid can be resubmitted subsequently after the deadline for submission of e-Bids.

### **3.2.11. NMRC's right to accept any e-Bid and to reject any or all e-Bids.**

- a. Notwithstanding anything contained in this e-Bid, NMRC reserves the right to accept or reject any Bid and to annul the Selection Process and reject all Bids, at any time without any liability or any obligation for such acceptance, rejection or annulment, and without assigning any reasons thereof.
- b. NMRC reserves the right to reject any Bid if:
  - At any time, a material misrepresentation is made or uncovered, or
  - The Bidder does not provide, within the time specified by NMRC, the supplemental information sought by NMRC for evaluation of the e-Bid.
- c. Such misrepresentation/ improper response may lead to the disqualification of the Bidder. If such disqualification /rejection occurs after the e-Bid have been opened and the highest ranking Bidder gets disqualified / rejected, then the NMRC reserves the right to consider the next best Bidder, or take any other measure as may be deemed fit in the sole discretion of NMRC, including annulment of the Selection Process.

### **3.2.12. Period of validity of e-Bid**

- a. E-Bid shall remain valid for 180 days after the date of e-Bid opening prescribed by NMRC. An e-Bid valid for a shorter period shall be rejected by NMRC as non-responsive.
- b. In exceptional circumstances, NMRC may solicit the Bidder's consent to an extension of the period of e-Bid validity. The request and the response thereto shall be made in writing.

### **3.2.13. Correspondence with the Bidder**

- a. Save and except as provided in this e-Bid, NMRC shall not entertain any correspondence with any Bidder or its Technical Partners in relation to acceptance or rejection of any e-Bid.
- b. Subject to Clause 3.4.5 no Bidders or its Technical Partners shall contact NMRC on any matter relating to his e-Bid from the time of Bid opening to the time contract is awarded.
- c. Any effort by the Bidder or by its Technical Partners to influence NMRC in the Bid evaluation, Bid comparison or contract award decisions, may result in the rejection of his Bid.

### **3.3. Earnest Money Deposit**

#### **3.3.1. Earnest money deposit (EMD)**

- a. The tenderer shall furnish, as part of its e-Bid, an e-Bid security/ EMD as stated in Data Sheet in form of Insurance Surety Bonds, DD/FDR, Banker's cheque, Bank Guarantee or RTGS/NEFT only in favour Noida Metro Rail Corporation Limited in the A/c No. mentioned in **Data Sheet**. The scanned copy of RTGS/NEFT receipt of Security/ EMD with transaction Id certified by the same bank must be enclosed along with the e-Bid. Tender without Earnest Money in the prescribed form, will not be accepted.
- b. Any e-Bid not secured in accordance with above shall be treated as non-responsive and rejected by NMRC.
- c. Unsuccessful Bidder's EMD will be returned within 45 days of opening of the Price Bid in case of Conclusion or discharge of the tender.
- d. No interest will be paid by the Employer on the Earnest Money Deposit.
- e. The successful Bidder's e-Bid EMD will be adjusted with Performance Bank Guarantee, if applicable, to be submitted by the Bidder upon signing the contract.
- f. The EMD may be forfeited:
  - i. If Bidder (a) withdraws its e-Bid during the period of e-Bid validity specified by the Bidder on the e- bid form: or (b) does not accept the correction of errors or (c) modifies its e-Bid price during the period of e-Bid validity specified by the Bidder on the form.
  - ii. In case of a successful Bidder, if the Bidder fails to sign the contract with the Corporation.
- g. In case of joint venture/consortia, Bank Guarantee/FDR for tender security shall be in the name of joint venture/consortia and not in name of individual members. JV/consortium not allowed.

### **3.4. Opening and Evaluation of Bids**

#### **3.4.1. Opening of technical e-Bid by NMRC**

- a. NMRC will open all technical e-Bids, in the presence of Bidder's representatives who choose to attend on the prescribed date of opening at NMRC Office. The Bidder's representatives who are present shall submit the letter to NMRC on the letter head of the company stating that the representative (name) is authorized to attend the meeting (Please note – The representative is required to carry a copy during pre-bid and other related meetings as well). He / She shall sign a register evidencing their attendance at NMRC. In the event of the specified date e-Bid opening being declared a holiday for the Corporation, the e –bids shall be opened at the appointed time and place on the next working day.
- b. The Bidder who is participating in e-Bid should ensure that the RTGS/NEFT of Bid Processing Fee and EMD must be submitted in the prescribed account of NMRC within the duration (strictly within opening & closing date and time of individual e-Bid) of the work as mentioned in Bid notice, otherwise, in any case, e-Bid shall be rejected.
- c. The Bidders names and the presence or absence of requisite e-Bid security and such other details as NMRC at its discretion may consider appropriate, will be announced at the opening.

### **3.4.2. Opening of financial e-Bid**

- a. After evaluation of technical e-Bid, through the evaluation committee NMRC shall notify those Bidders whose technical e-Bids were considered non-responsive to the conditions of the contract and not meeting the technical specifications and qualification requirements indicating that their financial e-Bids will not be opened.
- b. NMRC will simultaneously notify the Bidders, whose technical e-Bids were considered acceptable to the Corporation. The notification may sent by e-mail provided by Bidder.
- c. The financial e-Bids of technically qualified Bidders shall be opened in the presence of technically qualified bidders who choose to attend. The date and time for opening of financial bids will be communicated to the technically qualified Bidders subsequently after completion of technical bids evaluation through e-mail provided by the Bidder.

### **3.4.3. Correction of Errors**

- a. Financial Bids determined to be responsive will be checked by NMRC for any arithmetic errors. Where there is a discrepancy between the rate quoted in the Financial Bid, in figures and in words, the amount in words will prevail over the amounts in figures, to the extent of such discrepancy.
- b. The amount stated in the Financial Bid will be adjusted by NMRC in accordance with the above procedure for the correction of errors and shall be considered as binding upon the Bidder. If the Bidder does not accept the corrected quoted rate of e-Bid, his e-Bid will be rejected, and his Bid Security shall be liable for forfeiture in accordance with Clause 3.3.1f

### **3.4.4. Examination of e-Bid document**

- a. The NMRC will examine the e-Bid to determine if:
  - i. They are complete;
  - ii. They meet all the conditions of the contract;
  - iii. The required e-Bid Processing fee, EMD and other required documents have been furnished;
  - iv. The documents have been properly digitally signed; and
  - v. The e-Bids are in order.
- b. Any e-Bid or e-Bids not fulfilling these requirements shall be rejected.

### **3.4.5. Contacting NMRC**

- a. No Bidder shall contact NMRC on any matter relating to his/her e-Bid, from the time of the e-Bid opening to the time the contract is awarded. If the Bidder wishes to bring additional information to the notice of NMRC, he/she can do so in writing.
- b. Any effort by a Bidder to influence NMRC in its decisions on e-Bid evaluation, e- bid comparison or contract award may result in rejection of the Bidder's e-Bid.
- c. In the event of any information furnished by the Bidder is found false or fabricated, the minimum punishment shall be debarring /blacklisting from Noida Metro works and legal proceeding can also be initiated. EMD of such bidders will be forfeited.

### **3.4.6. Confidentiality**

- a. Information relating to the examination, clarification, evaluation, and recommendation for the Bidders shall not be disclosed to any person who is not officially concerned with the process or is not a retained professional advisor advising NMRC in relation to or matters arising out of, or

concerning the Bidding Process. Any effort by a Bidder to exert undue or unfair influence in the process of examination, clarification, evaluation and comparison of Proposal shall result in outright rejection of the offer, made by the said Bidder.

- b. NMRC shall treat all information, submitted as part of Bid, in confidence and shall require all those who have access to such material to treat the same in confidence. NMRC may not divulge any such information unless it is directed to do so by any statutory entity that has the power under law to require its disclosure or is to enforce or assert any right or privilege of the statutory entity and/or NMRC or as may be required by law or in connection with any legal process.

### **3.5. Award of Contract**

#### **3.5.1. Award Criteria**

- a. NMRC will award the contract as per evaluation criteria stated in the RFP Document.
- b. NMRC will award the contract to the successful Bidder whose bid has been determined to be responsive to all the conditions of the contract and meeting the eligibility requirement of the bidding document.

#### **3.5.2. Notice of Award (NOA)**

- a. Prior to the expiration of the period of e-Bid validity, NMRC will notify the successful Bidder in writing, by letter/e-mail/fax, that its e-Bid has been accepted.
- b. The acceptance of NOA will constitute the formation of the contract.

#### **3.5.3. Signing of contract**

At the same time as NMRC notifies the successful Bidder that its e-Bid has been accepted, the successful Bidder shall have to sign the contract agreement with relevant document as mentioned in the RFP. The agreement draft along with other related terms and conditions will be same as furnished in this Bid. Any refusal will not be allowed. The Bidder need not download and submit in hard copies of these documents.

#### **3.5.4. NMRC's right to accept any e-Bid and to reject any or all e-Bids**

NMRC reserves the right to accept or reject any e-Bid, and to annul the e-Bid process and reject all e-Bids at any time prior to contract award, without thereby incurring any liability to the affected tenderer or tenderers.

## 4. Section 4: Qualification, Evaluation and Selection Process

### 4.1. Eligibility Criteria

The Bidder's competence and capability is proposed to be established by the following parameters. The Bidder should meet all the criteria given in this section.

- a. Sole proprietorship, registered partnership firm, public limited company, private limited company can submit the Bid. The firms and the companies should be registered in India. **Joint Ventures or Consortiums are not allowed to participate in the tender.**
- b. The overall performance of the tenderer shall be examined for all the ongoing Civil Engineering works awarded by NMRC/ any Central / State government department / public sector undertaking / other government entity or local body of value more than 40% of NIT cost of work and also for all the completed Civil Engineering works awarded by NMRC/ any Central / State government department / public sector undertaking / other government entity or local body within last one year (from the last day of the previous month of tender submission), of value more than 40% of cost of work, executed either individually or in a JV/Consortium. The tenderer shall provide list of all such works in the prescribed Performa given in Form 18 of the Form of Tender. The tenderer may either submit satisfactory performance Certificate issued by the Client/ Employer for the works or give an undertaking regarding satisfactory performance of the work with respect to completion of work/execution of work (for ongoing works) falling which their tender submission shall not be evaluated and the tenderer shall be considered non-responsive and non-compliant to the tender conditions. In case of non-submission of either satisfactory performance Certificate from Client /Employer or undertaking of satisfactory performance of any of the above work, the performance of such work shall be treated as unsatisfactory while evaluating the overall performance of tenderer in terms of Note (b) of Form 18. In case of performance certificate issued by the client, same should not be older than three months (from the last day of the previous month of tender submission) for on-going works. In case the tenderer does not have any work falling in above criteria, his performance will not be judged unsatisfactory
- c. The Bidder should have a minimum experience of having satisfactorily completed similar works during last 7 (seven) years period ending last day of month previous to the one in which the bids are invited should be either of the following:
  - i. One similar completed work costing not less than the amount equal to **Rs. 1.94 Crore** (Rupees One Crore Ninety Four Lakh only) or
  - ii. Two similar completed works each costing not less than the amount equal to **Rs. 1.21 Crore** (Rupees One Crore Twenty One Lakh only) or
  - iii. Three similar completed works each costing not less than the amount equal to **Rs. 97.02 Lakh** (Rupees Ninety-Seven Lakh Two Thousand only)

**Similar work**" for this contract shall be "Civil Construction/ Civil maintenance works of building/ structures" in any Central Govt./ State Govt./ PSU's or any Private Limited company of repute
- d. The Bidder should have minimum **average annual turnover** of **Rs. 64.68 Lakh** (Rupees Sixty Four Lakh Sixty Eight Thousand only) in the last 3 (three) Financial Years (**2019-2020, 2020-21, 2021-22**) preceding the Bid Due Date.

e. **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. Net current assets from Balance Sheet of last year audited **Rs. 11.55 Lakh** (INR Eleven Lakh Fifty-Five Thousand Only) to meet cash flow for this contract, net of applicant's commitments for other contracts.

f. **T2 – Profitability:**

Profit before Tax should be positive in at least 2 (two) years, out of the last five years audited financial years.

g. **T3 – Net Worth:**

Net worth of tenderer during last audited financial year should be > **Rs. 16.17 Lakh** (INR Sixteen Lakh Seventeen Thousand only) Work-in hand from may be added in RFP & accordingly Bid Capacity criteria may be changed of RFP clause 4.2.

Notes:

- a) Financial data for latest last three audited financial years has to be submitted by the tenderer in Form-5 along with 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 and firm registration number and UDIN. In case audited balance sheet of the last financial year is not made available by the bidder, he has to submit an undertaking to this effect and the statutory auditors/Chartered accountants shall certify the same. In such a case the bidder shall also submit an affidavit certifying that "The annual accounts have not been audited so far, we are submitting the CA certified provisional accounts, which shall be substantiated by the audited accounts when prepared." Further the bidder shall provide the audited financial statements for 2(Two) years preceding the year for which the audited financial statement is not being provided. In such a case the financial data of previous '2' audited financial years will be taken into consideration for evaluation. If audited balance sheet of any year other than the last year is not submitted, the tender may be considered as non-responsive.
- b) 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.
- c) The Bidder should not have been blacklisted/ banned/ declared ineligible for corrupt and fraudulent practices by the Government of India/ any State Government/ Government Agency and Supreme court and contracts have been terminated/ foreclosed by any company / department due to non- fulfillment of Contractual obligation in last 5 (five) financial years.

**The Bidder shall also furnish the following documentary proof:**

- a. For above criteria 4.1a
  - i. Statutory proof of existence as the legal entity
  - ii. PAN certificate as per legal entity
  - iii. GST RC
- b. For above criteria 4.1c



- i. Form 4: Work Experience with documentary evidence as mentioned in the Form
- c. For above criteria 4.1 d, e,f,g
  - i. Form 5: Financial Capability Details
  - ii. A copy of the Audited balance sheets and Profit and Loss Statements for the last 3 (three) financial years
  - iii. Self-attested copy of ITR
- d. For above criteria 4.1 (Notes – C)
  - i. Form 7: Undertaking

Notes:

- a. The tenderer shall submit details of works executed by them in the Performa of Form-4 for the works to be considered for qualification of work experience criteria. Documentary proof of 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.
- b. Value of successfully completed portion of any ongoing work up to last day of the month previous to the month of tender submission will also be considered for qualification of work experience criteria.
- c. For completed works, value of work done shall be updated to last day of the month previous to the month of tender submission 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.
- d. If the above work(s) (i.e. "Similar work" comprise other works, then client's certificate clearly indicating the amount of work done in respect of the "similar work" shall be furnished by the tenderer in support of work experience along-with their tender submissions.

#### **4.2. Bid Capacity Criteria:**

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

Bid capacity will be calculated based on the following formula:

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

Where,

A = Maximum of the value of work executed in any one year during the last three financial years (updated to the last day of the previous month of tender submission 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 the last day of the previous month of tender submission) for on-going works during period of 36 months w.e.f. from the first day of the month of tender submission.

**Notes:**

- Financial data for latest last three financial years has to be submitted by the tenderer in Form-5 of FOT along with audited financial statements. The financial data in the prescribed format shall be certified by the Chartered Accountant with his stamp and signature in original with membership number and firm registration number and UDIN.
- Value of existing commitments for on-going construction works during period of 36 months w.e.f from the first day of the month of tender submission has to be submitted by the tenderer in Form-9. These data shall be certified by the Chartered Accountant with his stamp and signature in original with membership number & UDIN number and firm registration number.
- The tender submission of tenderers, who do not qualify the minimum eligibility criteria & bid capacity criteria stipulated in the clauses 4.1 to 4.2 above, shall not be considered for further evaluation and therefore rejected. The mere fact that the tenderer is qualified as mentioned in sub clause clauses 4.1 to 4.2 above shall not imply that his bid shall automatically be accepted.

**4.3. Personnel**

The Tenderer shall submit - Form 12: Undertaking pertaining to Personnel a staffing schedule containing the names, qualifications, professional experience and corporate affiliation of all proposed management personnel (above the level of shift supervisor) and specialists for this work. The submission shall include a provisional management structure and organization chart showing areas of responsibility, relative seniorities and lines of reporting. The proposed staffing plan shall be in conformity with the following:

**RESOURCES PROPOSED FOR THE PROJECT – PERSONNEL**

The figures indicated below are the minimum number of Project-Personnel required which are to be deployed as per the minimum level of supervision and qualification/experience of site staff is given as follows:

<b>S. No.</b>	<b>Designation of Project Personnel</b>	<b>Minimum Requirement</b>
1	Track Engineer/Site Engineer	1
2	Supervisor	2

It is to be noted that:

- i. The contractor shall deploy resources as per the above mentioned minimum requirement and also confirm to deploy manpower over and above the minimum numbers indicated above, if the work requires so.
- ii. These minimum resources are as per the requirements of the various activities at different stages of works. All resources need not to be mobilised simultaneously, resources as per the requirement of various stages of works shall be mobilised in accordance with the instructions of the Engineer. The decision of the Engineer shall be final and bonding.
- iii. The performance of project personal deployed will be evaluated periodically by Employer during the contract period. In case the performance of any of the personnel is not satisfactory, the contractor shall replace them with good personnel immediately as per the directions of the Engineer.
- iv. If staff is absent or found missing from his duty, recovery @ ₹2000/- for supervisor and @ ₹3000/- for engineer per day shall be imposed on the contractor and to be recovered from the

running bill of the contractor.

**MINIMUM ORGANISATION STRUCTURE REQUIRED**

Minimum level of supervision & qualification/ experience of site staff is as follows:

<b>S. No.</b>	<b>DESIGNATION</b>	<b>QUALIFICATION</b>	<b>EXPERIENCE LEVEL</b>
1.	Track Engineer/Site Engineer	B. Tech/diploma in Civil Engineering	Total minimum experience of 03 years in Track work for Degree and 8 years for Diploma.
2.	Supervisor	Diploma in Civil Engineering	Total minimum experience of 05 years in Track Work

**4.4. Compliance with Technical Specifications**

The Bidders must comply with the stipulated technical specifications as mentioned in the tender documents

**4.5. Information of the Technical and Financial Proposal**

- a. The Bidder satisfying technical and financial eligibility criteria under Clause 4.1 shall be considered as technically and financially qualified.
- b. The financial proposal of only technically qualified Bidders shall be opened for evaluation.
- c. The Bidder with the lowest quoted price for the RFP for Annual Maintenance contract for Track of N-GN corridor and Metro Depot in the financial quote (**L1 bidder**) shall be selected for the award of contract.

**4.6. Selection of Bidder**

After the above evaluation process, the Technically Qualified Bidder, who is declared as L1 (lowest quoted price) may be declared as the selected Bidder (“Selected Bidder”) for the Project.

- a. In case, two or more technically qualified bidders quote the same rate in the Commercial Bid, and become Lowest (i.e. L-1), then the tender would be awarded to the bidder who has the highest / higher Average Annual Turnover from ‘Similar Works’ (as per Minimum Eligibility Criteria defined in Section 4 under “Definition of Similar Work”) during the last 3 years ending on the last day of the month preceding the month in which the tender has been floated. Experience certificate / work completion certificate on client's letter head is mandatory to ascertain the nature, period and value of work which shall be required to be uploaded by the bidder by the last date of tender submission. Prior to the expiry of the period of bid validity, NMRC will notify the successful bidder in writing, either through Notice of Award (NOA), that his bid has been accepted.
- b. Prior to the expiry of the period of bid validity, NMRC will notify the successful bidder in writing, either through Notice of Award (NOA), that his bid has been accepted.
- c. The NOA would be sent in duplicate to the successful bidder, who will return one copy to NMRC duly acknowledged, signed and stamped by the authorized signatory of the bidder, as an unconditional acceptance of the NOA, within 10 (ten) days from the date of issue of NOA.
- d. No correspondence will be entertained by NMRC from the unsuccessful bidders.

**4.7. Notice of Award and Execution of Contract Agreement**

- a. NMRC will notify the Successful Bidder by a NOA that its bid has been accepted.
- b. The Selected Bidder shall, within 10 (ten) days of the receipt of the NOA, sign and return the duplicate copy of the NOA in acknowledgement thereof along with letter of acceptance of NOA. In the event, the duplicate copy of the NOA duly signed by the Selected Bidder and letter of acceptance of NOA is not received by the stipulated date, NMRC may, unless it consents to extension of time for submission thereof, appropriate the Bid Security of such Bidder as mutually agreed genuine pre-estimated loss and damage suffered by NMRC on account of failure of the Selected Bidder to acknowledge the NOA
- c. The Successful Bidder shall execute the Contract Agreement within 30 (thirty) days of the letter of acceptance of NOA or such extended period as may be decided by the Corporation.
- d. Failure of the Successful Bidder to comply with the requirement of acknowledgement of NOA shall constitute sufficient grounds for the annulment of the NOA, and forfeiture of the bid security.
- e. The Purchaser reserves the right to increase or decrease the quantity up to 25% of the quantity offered by the successful tenderer. The bidder is bound to accept the increase or decrease in the tendered quantity up to 25% under this clause without any change in unit price.  
In case the variation in individual items or the group of items as stipulated above, is more than 25% on plus side, the rate for the varied quantity beyond 25% shall be negotiated between the NMRC and the Contractor and mutually agreed rates arrived at before actual execution of the extra quantity. In case the contractor executes the extra quantity without written approval of the NMRC with specific instructions to execute pending the finalization of rates, the payment shall be made at contract rate only. In the event of disagreement, the Engineer shall fix such rates of price as are, in his opinion appropriate and shall notify the Contractor accordingly, with a copy to the Employer. Until such time as rates or prices are agreed or fixed, the Engineer shall determine provisional rates or prices to enable on account payments to the Contractor. Alternatively, in the event of disagreement, the Contractor shall have no claim to execute extra quantities/new items and the Engineer shall be free to get such additional quantities beyond 25% new items executed through any other agency. However, if the Engineer or the Employer so directs the Contractor shall be bound to carry out any such additional quantities beyond the limits stated above original quantities and or new items and the disagreement or the difference regarding rates to be paid for the same shall be settled in the manner laid down under the conditions for the settlement of dispute.

#### **4.8. Performance Bank Guarantee / Security Deposit**

- a. To fulfill the requirement of performance bank guarantee during the implementation period, the Successful Bidder (herein referred to as the "Contractor") shall deposit **10% of the Contract Price** in form of Insurance Surety Bonds, FDR/ DD/ Banker's cheque or unconditional and irrevocable Bank Guarantee bond issued by a scheduled bank in favor of Noida Metro Rail Corporation Limited, which may be reduced for balance years on completion of each year, within 30 days from Notice of Award. EMD amount of successful bidder shall be adjusted in the performance bank guarantee, if applicable. For unsuccessful bidder, EMD shall be refunded without any interest. The Performance Guarantee should be valid for a period of 06 (six) months beyond the Defect Liability Period. The Bank Guarantee must be issued by a bank branch located in Delhi, NCR, Noida and Gr. Noida region only. The Bank Guarantee shall be extended and renewed in advance before the expiry of existing BG in favour of Noida Metro Rail Corporation Ltd.
- b. It is to note that if contract value increases by more than 25% of the original contract value, the performance bank guarantee shall be increased accordingly.
- c. A Contract agreement will have to be signed by the Contractor at his cost on proper stamp paper. Without performance guarantee by Contractor, Contract agreement shall not be signed.
- d. NMRC reserves the right for deduction of NMRC dues from Contractor's Performance Bank Guarantee/ Security Deposit (interest free) for.
  - (i) Any penalty imposed by NMRC for violation of any terms and conditions of agreement committed by the Contractor.
  - (ii) Any amount which NMRC becomes liable to the Government/Third party due to any default of

the Contractor or any of his director/ employees/ representatives/ servant/ agent, etc.

- (iii) Any payment/ fine made under the order/judgment of any court/consumer forum or law enforcing Contractor or any person duly empowered in his behalf.
- (iv) Any outstanding payment/ claims of NMRC remained due after completion of relevant actions as per agreement.
- e. Once the amount under above Clause is debited, the Contractor shall replenish the Security Deposit/ Performance Bank Guarantee to the extent the amount is debited within 15 days period, failing which, it shall be treated as Contractor Event of Default and will entitle NMRC to deal with the matter as per the provisions of RFP and Contract Agreement

#### **4.9. Contract during Proposal Evaluation**

- a. Proposals shall be deemed to be under consideration immediately after they are opened and until such time NMRC makes official intimation of award/ rejection to the Bidders. While the Proposals are under consideration, Bidders and/ or their representatives or other interested parties are advised to refrain from contacting by any means, NMRC and/ or their employees/ representatives on matters related to the Proposals under consideration till the time Contract is awarded.
- b. Any effort by a Bidder to influence NMRC in its decisions on e-Bid evaluation, e-Bid comparison or contract award may result in rejection of the Bidder's e-Bid.
- c. In the event of any information furnished by the Contractor is found false or fabricated the minimum punishment shall be debarred/ blacklisting and the legal proceeding may also be initiated.
- d. If the Bidder wishes to bring additional information to the notice of NMRC, he/she can do so in writing. All correspondence/ enquiry should be submitted to the following in writing by fax/ post/courier:  
  
GM (Technical)  
Noida Metro Rail Corporation (NMRC) Limited  
Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29,  
Noida -201301  
District Gautam Budh Nagar, Uttar Pradesh  
Email: nmrcnoida@gmail.com
- e. No interpretation, revision, or other communication from NMRC regarding this solicitation is valid unless in writing and signed by the competent authority from NMRC.

#### **4.10. Other Instruction**

- a. Canvassing in connection with the tenders is strictly prohibited and the tenders, submitted by Bidder, who resort to canvassing, are liable to be rejected. EMD will be forfeited of those tenders who will be found non serious and if it is felt by the tender committee that the Bidders submitted their tender only to influence the tendering process.
- b. On acceptance of the tender, the name of the accredited representative of the Contractor, who would be responsible for taking instructions from the NMRC or the official deputed by NMRC, shall be communicated to the NMRC or the official deputed by NMRC in writing.

#### **4.11. Project Financial Terms**

##### **4.11.1. Payment Terms**

- a. The payment for items given in Bill of Quantity/Pricing Document shall be made on the basis of

actually executed quantities.

- b. The work executed against the BOQ items in would be paid on measurement basis.
- c. The Contractor may raise their 'On Account'' payments on monthly basis as per the status of work on the last day of the respective month.
- d. 1% Electricity and water surcharge will be paid by contractor if provided by NMRC.

**4.12. Public Procurement (Preference to Make in India) to provide for Purchase Preference (linked with local content) in respect of procurement in NMRC**

**a) Definitions:**

- I. Local content' means the amount of value added in India which shall be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all custom duties) as a proportion of the total value, in percent. Minimum local content shall be 90% (As per prevailing MoHUA guidelines) for the subject tender.
- II. Local Supplier means a supplier or service provider whose product or service offered for Procurement meets the minimum local content as prescribed at sr. no. (I) above.
- III. L-1 means the lowest tender or lowest bid received in a tender, bidding process or other. Procurement solicitation as adjudged in the evaluation process as per the tender or other procurement solicitation.
- IV. Margin of purchase preference' means the maximum extent to which the price quoted by a local supplier may be above the L1 for the purpose of purchase preference. Margin of purchase preference shall be 10% for the subject tender.

**b) Procedure for Purchase Preference in procurement of goods or works which are Divisible in nature: NOT APPLICABLE FOR THE SUBJECT TENDER**

- I. Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract for full quantity will be awarded to L1.
- II. If L1 bid is not from a local supplier, 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the local suppliers, will be invited to match the L1 price for theremaining 50% quantity subject to the local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such local supplier subject to matching the L1 price.
- III. In case such lowest eligible local supplier fails to match the L1 price or accepts less than the offered quantity, the next higher local supplier within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly
- IV. In case some quantity is still left uncovered on local suppliers, then such balance quantity may also be ordered on the L1 bidder.

**c) Procedure for Purchase Preference in procurement of goods or works which are not divisible in nature and in procurement of services where the bid is evaluated on price alone: APPLICABLE FOR THE SUBJECT TENDER**

- I. Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract will be awarded to L1.
- II. If L1 is not from a local supplier, the lowest bidder among the local suppliers, will be invited to match the L1 price subject to local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such local supplier subject to matching the L1 price.
- III. In case such lowest eligible local supplier fails to match the L1 price, the local supplier with the next

higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly.

IV. In case none of the local suppliers within the margin of purchase preference matches the L1 price, then the contract may be awarded to the L1 bidder.

**a) Minimum local content and verification of local content:**

I. The local supplier at the time of tender shall be required to provide self-certification that the item offered meets the minimum local content and shall give details of the location(s) at which the local value addition is made.

**b) Complaints relating to implementation of Purchase Preference**

I. Fees for such complaints shall be Rs. 2 Lakh or 1% of the value of the local item being procured (subject to maximum of Rs. 5 Lakh), whichever is higher. In case the complaint is found to be incorrect, the complaint fee shall be forfeited. In case, the complaint is upheld and found to be substantially correct, deposited fee of the complainant would be refunded without any interest

1. Form 19: Undertaking of more than 90% declaration regarding minimum local content.
2. Form 20 is also introduced which pertain to Performa of list of goods, works or services tentatively proposed to be offered with local value addition.

## 5. Section 5: Special Conditions of Contract (SCC)

SCC Clause	Reference to GCC Sub-Clause No.	Description
1	<b>Sub-Clause 3.2</b>	<p><b>Functions of Engineer</b></p> <p>In addition to the duties mentioned in Clause 3.2 of General Conditions of Contract:</p> <p>(i) Shall watch and inspect the Works, monitor and examine any material to be used and workmanship employed by the Contractor in connection with the Works;</p> <p>(ii) Shall carry out such duties and exercise such powers vested in the Engineer in accordance with the provisions of the Contract;</p> <p>(iii) Shall issue instructions which in his opinion are necessary for the execution of the Works; and</p> <p>(iv) May issue any other instruction which in his opinion is desirable in connection with the Works.</p> <p>In case The Engineer is employee of any agency hired by the Employer, the Engineer shall take the approval of the Employer for all technical and financial matters otherwise he shall be deemed to have taken the approval of the Employer.</p>
2	<b>Sub Clause 4.2.1</b>	<p><b>PERFORMANCE SECURITY</b></p> <p>The amount of Performance Security for this contract will be <b>10% of contract value as</b> stipulated in the GCC. If the contract value increases by more than 25% of the original contract value, the Performance Security will be increased Accordingly for complete revised value on every increase.</p>
3	<b>Sub-Clause 4.4</b>	<p><b>Coordination with other Contractors</b></p> <p>The contractor for this package shall plan and execute work in coordination and in co-operation with other contractors working for adjacent/other packages</p>
4	<b>Sub-clause 4.5</b>	<p><b>Sub-contractors</b></p> <p>The work should not be sublet without the written approval of Engineer in-charge.</p>
5	<b>Sub-Clause 4.10</b>	<p><b>Sufficiency of Tender</b></p> <p>The Tenderer shall be entirely responsible for sufficiency of rates quoted by him in his tender.</p> <p>The Contractor (Successful Tenderer) shall be paid for only at quoted/accepted rates for the items of works executed as per BOQ.</p>
6	<b>Sub-Clause 4.11</b>	<p><b>Access Route</b></p> <p>All operations for the execution of the Works shall be carried out so as not to interfere unnecessarily with the convenience of the public or the access to public or private roads or footpaths or properties owned by the Employer or by any other person.</p> <p>The Contractor shall select routes, choose and use vehicles so that movement of Contractor's Equipment, Plant and Materials from and to the Site is limited so that traffic is not delayed and damage to highways and bridges is</p>



SCC Clause	Reference to GCC Sub-Clause No.	Description
		<p>prevented. If there is any delay or damage or injury, the cost of rectification or reconstruction of highways or bridges shall be borne by the Contractor. The Contractor shall indemnify the Employer in respect of all claims, demands, proceedings, damages, costs, charges and expenses whatsoever arising out of or in relation to any such matters</p>
7	<p><b>Sub-Clauses 4.13</b></p>	<p><b>Manufacture, Installation and Construction Methods</b></p> <p>The Contractor shall submit complete documents and information pertaining to the methods of manufacture, installation and construction which the Contractor proposes to adopt or use, (and if applicable such calculations of stresses, strains and deflections and the like that will or may arise in the Works or to the other works comprising the Project or any parts thereof during installation from the use of such methods). The Engineer will then check to see whether, if such methods are adhered to, the Works can be executed in accordance with the Contract and without detriment to the Works (when completed) and to other works comprising the Project and in a manner which minimises disruption to road and pedestrian traffic.</p> <p>The Engineer shall inform the Contractor in writing within 21 days after receipt of the above information;</p> <p>(a) that the Contractor's proposed methods of manufacture, installation and construction have the consent of the Engineer; or</p> <p>(b) in what respects, in the opinion of the Engineer the Contractor's proposed methods of manufacture, installation and construction:</p> <p>(i) fail to comply with the Employer's Requirements and/or the Definitive Design and/or the Final Design;</p> <p>(ii) would be detrimental to the Works and/or to the other works comprising the Project;</p> <p>(iii) do not comply with the other requirements of the Contract;</p> <p>(c) as to the further documents or information which are required to enable the Engineer to properly assess the proposed methods of manufacture, installation and construction.</p> <p>In the event that the Engineer does not give his consent, the Contractor shall take such steps or make such changes in the said methods or supply such further documents or information as may be necessary to meet the Engineer's requirements and to obtain his consent. The Contractor shall not change the methods of manufacture, installation and construction which have received the Engineer's consent without further review and consent in writing of the Engineer.</p> <p>Notwithstanding the foregoing provisions of this Clause, or that certain of the Contractor's proposed methods of manufacture, installation and construction may be the subject of the consent of the Engineer, the Contractor shall not be Relieved of any liability or obligation under the Contract.</p>
8	<p><b>Sub-Clauses</b></p>	<p><b>Safety Precautions</b></p> <p>The Contractor is required to make himself aware of all the requirements of the</p>

SCC Clause	Reference to GCC Sub-Clause No.	Description
	4.16 and 6.7	<p>Employer's Safety, Health and Environmental Manual in this regard and comply with them. The Site Safety Plan shall include detailed policies, procedures and regulations which, when implemented, will ensure compliance with Sub-Clauses 4.16 and 6.7 of General Conditions of Contract.</p> <p>The Contractor shall, from time to time and as necessary or required by the Engineer, produce supplements to the Site Safety Plan such that it is at all times a detailed, comprehensive and contemporaneous statement by the Contractor of his site safety and industrial health obligations, responsibilities, policies and procedures (under the laws of India) or as stated in the Contract or elsewhere relating to work on Site. If at any time the Site Safety Plan is, in the opinion of the Engineer, insufficient or requires revision or modification to ensure the security of the Works and the safety of all workmen upon, and visitors to the Site, the Engineer may instruct the Contractor to revise the Site Safety Plan. The Contractor shall, within 14 days, submit the revised plan to the Engineer for review.</p>
9	<b>Sub-Clause 4.17</b>	<p><b>Protection of the Environment</b></p> <p>The Contractor shall maintain ecological balance by preventing deforestation, water pollution and defacing of natural landscape. The Contractor shall, so conduct his cleaning operations, as to prevent any avoidable destruction, scarring or defacing of natural surroundings in the vicinity of work. In respect of ecological balance, the Contractor shall observe the following instructions</p> <p>(a) Where destruction, scarring, damage or defacing may occur as a result of operations relating to construction and maintenance activities, the same shall be repaired, replanted or otherwise corrected at Contractor's expense. All work areas shall be smoothed and graded in a manner to confirm to natural appearance of the landscape as directed by the Engineer.</p> <p>(b) All trees and shrubbery, which are not specifically required to be cleared or removed for cleaning purposes, shall be preserved and shall be protected from any damage that may be caused by Contractor's cleaning operations and equipment. The removal of trees or shrubs will be permitted only after prior approval by the Engineer. Trees shall not be used for anchorage. The Contractor shall be responsible for injuries to trees and shrubs caused by his operations. The term "injury" shall include, without limitation, bruising, scarring, tearing and breaking of roots, trunks or branches. All injured trees and shrubs shall be restored as nearly as practicable, without delay, to their original condition at Contractor's expenses.</p> <p>(c) The Contractor shall provide all necessary access, assistance and facilities to enable the Engineer and the Employer to monitor and conduct tests to verify that the Site Environmental Plan is being properly and fully implemented</p>
10	<b>Sub-Clause 4.18</b>	<p><b>Electricity and Water</b></p> <p>Electricity and water shall be arranged by the contractor on his own and at his cost.</p> <p>If available, the Employer may provide Water supply and Electricity on chargeable basis. The contractor shall make his own arrangements to tap the Electricity from the nominated and existing sockets/ points. The contractor shall tap the Electricity as per IE Rules &amp; IE Act (Latest) duly complying all</p>

SCC Clause	Reference to GCC Sub-Clause No.	Description
		<p>safety precautions and under following conditions:</p> <p>(a) The contractor shall submit full scheme for the requirement of Electricity &amp; water. If scheme mentions Electricity requirement which is beyond the capacity of the Employer, in that case the contractor shall make his own arrangements/ alternative arrangements.</p> <p>(b) The Contractor should make his own arrangements to draw the water from the available water point to the working place without affecting the premises</p>
11	<b>Sub-Clause 4.19</b>	<p><b>Employer Supplied Machinery and Materials</b> The Employer will not provide any machinery or materials under the Contract.</p>
12	<b>Sub Clause 4.27</b>	<p><b>Security of the Site</b> The Contractor shall take all measures necessary to ensure such security, including exercising control over all persons and vehicles which are employed or engaged on the Site or in connection with the Works or the other works comprising the Project and with the security arrangements applicable to any other site within the Project.</p> <p>The Contractor shall arrange the issue of passes for the admission of all persons and vehicles to the Site or to any part thereof and may refuse admission to or remove from the Site any person or vehicle failing to show an appropriate pass on demand to any duly authorised person.</p> <p>If required by the Engineer, the Contractor shall submit a list identifying all persons to whom passes have been issued together with two photographs of each person and all entities to which a pass has been issued in respect of any vehicle and shall satisfy the Engineer of the bonafides of any such person or entity.</p> <p>The Contractor shall not, without the written permission of the Engineer or otherwise in accordance with the Contract, allow access to the Site to any person unless the presence on Site of such person is necessary in connection with the execution of the Works or with the discharge of the duties of any relevant authority.</p> <p>For the purposes of this Clause only, "Site" shall include off-Site places of manufacture or storage and the Contractor's Work Areas and shall include, areas provided to the Contractor by others.</p>
13	<b>Sub-Clause 5.3</b>	<p><b>Submission of Documents</b> The Contractor shall submit drawings and documents, as required by the Contract, to the Engineer in accordance with any submittal schedule agreed with the Engineer. This submittal shall be made sufficiently before the Works are to be carried out to give the Engineer and the Employer reasonable time to examine the drawings or other documents, to prepare comments and for any changes to be accommodated by the Contractor.</p> <p>Where the consent of the Engineer is required, the Engineer shall notify the Contractor in writing of his decision either within such period as may expressly be stipulated in the Contract or otherwise within a reasonable time.</p>

SCC Clause	Reference to GCC Sub-Clause No.	Description
		The Operation and Maintenance Manuals and drawings submitted by the Contractor shall, if required, be updated by him during the Defects Liability Period and re-submitted for review by the Employer's Representative.
14	<b>Sub-Clause 6.0</b>	<p><b>Training of Contractor's Employees / Staff / Workers</b>                      Contractor shall provide a training / workshop on Safety, Health &amp; Environment (SHE) to all its workers/ employees/ sub-contractors at the time of induction as per required of condition of contract on Safety, Health and Environment. Before posting any of his workers/ staff/ employees/ sub- contractors, the contractor shall give a certificate that the said person had Undergone the requisite SHE training.</p>
15	<b>Sub-Clause 6.4</b>	<p><b>Labour Laws and NMRC Labour Welfare Fund</b>                      (a) The Contractor shall, if required by the Employer, deliver to the Engineer or to his office; a return in detail, in such form and at such intervals as the Employer may prescribe, showing the number of labour employed in different categories by the Contractor for the entire work.</p> <p>The contractor must ensure compliance of all the labour laws including obtaining labour licence and registration of workers with BOCW Board.</p> <p>(b) In case of death of staff, the agency is required to deposit ₹1,00,000/- in NMRC Labour welfare fund to enable NMRC to release ₹2,00,000/- for heir apparent as immediate relief to his dependent. Subsequently agency should facilitate compensation on priority. Violation of these basic provisions shall attract a penalty of 5% of contract value and repeated violations shall lead to termination of contract.</p>
16	<b>Sub-Clause 6.6</b>	<p><b>Housing Facilities</b>                      The Contractor shall have to make his own arrangements for housing facilities for his staff.</p>
17	<b>Sub-Clause 6.7</b>	<p><b>Health and Safety</b>                      Contractors are required to have tie-up with well equipped reputed hospitals having facilities of MRI, CT Scan, Ultrasound, Blood Bank, specialist Doctors like neurosurgeon, orthopedic as mandatory requirement and fire station located in the neighborhood for attending to the casualties promptly and emergency vehicle kept on standby duty during the working hours for the purpose.</p>
18	<b>Sub Clause 7.0</b>	<p><b>Quality Control</b>                      The Contractor shall appoint a suitably qualified and experienced person, not otherwise engaged in the performance of the Contract, to act as manager of the quality assurance system and shall provide such other personnel and resources as required to ensure effective operation of the quality assurance system. The said manager shall carry out audits of the application of the quality assurance system, and ensure effective quality control and delivery of quality assurance.</p> <p>The Contractor shall provide all necessary access, assistance and facilities to enable the Engineer to carry out surveillance visits both on and off the Site to verify that the quality assurance system is being properly and fully implemented. No extra payment shall be made in this regard and the cost of the Work under this element shall be deemed to be included in the Contract Price.</p>
19	<b>Sub Clause 10.1</b>	<p><b>Defect liability period</b>                      The Defect liability period (DLP) shall be <b>12 months</b> from the date of issue of</p>

SCC Clause	Reference to GCC Sub-Clause No.	Description
		<p>the latest Taking over Certificate for the whole of the works.</p> <p><b>Work by persons other than the Contractor.</b>                      If by reason of any accident or failure or other event occurring to, in, or in connection with the Works any remedial or other work shall, in the opinion of the Engineer, be urgently necessary and the Contractor is unable or unwilling at once to do such remedial or other work, the Engineer may authorised the carrying out of such remedial or other work by a person other than the Contractor. If the remedial or other work so authorised by the Engineer is work, which, in the Engineer's opinion, the Contractor was liable to do under the defect liability period Contract, all expenses properly incurred in carrying out the same shall be recoverable by the Employer from the Contractor, provided that the Engineer shall, as soon after the occurrence of any such emergency as may be reasonably practicable, notify the Contractor thereof in writing.</p>
20	<p><b>Sub-Clause 11.1</b></p> <p><b>Sub-Clause 11.1.1</b></p> <p><b>Sub-Clause 11.1.4</b></p>	<p><b>Contract Price &amp; Payment</b></p> <p><b>In respect of All Inclusive Contract</b>                      The Contract Price, subject to any adjustment thereto in accordance with the contract conditions, shall be all inclusive (including all taxes, duties, royalties etc.)</p> <p><b>Change in Taxes Duty</b>                      (a) "Change in Taxes/Duties/Levies" means the occurrence or coming into force of the following, at any time after the date of submission of tender.                      (i) Any new tax which is imposed on Composite Works Contractors applicable on Metro Project.                      (ii) Change in the rate of GST on Composite Works Contractors applicable on Metro Project as Per GST Act.</p> <p>(c) The Contract Price shall be adjusted due to any of the above two conditions. Adjustment in contract price will be applicable up to the stipulated date of completion of work including the extended period of completion where such extension has been granted under sub clause 8.4.1 of GCC or it is specifically mentioned that extension is with adjustment for changes as stated above.</p> <p>(d) If the extension of contract period is on account of contractor's fault under Sub-clause 8.4.3 of GCC, no compensation shall be made towards upward revision towards "change in Taxes/Duty (taking place during the said extended contract period)" as mentioned at Sl. No. (a) (i) &amp; (ii) above, during the original contract period or extended contract period shall be on employer's account.</p> <p>(e) Any other changes (except on account of clause (a) (i) &amp; (ii) above) in existing taxes/new taxes on supply of materials/services/works etc. will not be considered and its impact shall be considered covered in the price variation clause provided in the Contract and in Contract where Price Variation clause s not provided, the impact on any other change (except on account of clause (a) (i) &amp; (ii) above in existing taxes/new taxes on supply of materials/services/works etc. will be deemed to be included in the quoted Contract price.</p>

SCC Clause	Reference to GCC Sub-Clause No.	Description
		(f) Also, the contract price shall not be adjusted on account of fluctuations In the rates of exchange between the foreign currencies of the contract and Indian rupees from the last date of submission of tender.
21	<b>Sub clause 11.1.3</b>	<b>Price Variation</b> This is a fixed price contract and no Price Variation is admissible in this contract.
22	<b>Sub-Clause 11.2</b>	<b>Advance</b> No Advance is admissible in this contract.
23	<b>Sub-Clause 11.6</b>	<b>Payment</b> For the purpose of On-account payment, the contractor shall submit detailed activities carried out as per BOQ recorded in Measurement sheets, Abstract sheets along with recorded bill for the item actually executed for checking and payment. Payment will be effected based on unit rates as approved in the Bill of Quantities. The payment shall be made on a monthly basis for the activities carried out as per the work orders in a month. At the end of the month, the contractor shall submit necessary documents & Bill in the standard format for payment.
24	<b>Sub-Clause 15.0</b>	<b>Insurance</b> (a) All of the contractor's employees drawing monthly wages up to ₹21,000/- or as applicable as per the enhanced limit, shall have to be covered under ESI. The Contractor shall take insurance policy as specified in the Employee's Compensation Act only for those employees who are not covered by ESI.  (b) The contractor shall insure against liability to third parties in the joint name of the Employer and the contractor for any loss, damage, death or injury which may occur to any physical property (except things insured otherwise) or any person (except person insured by employer, staff of other contractor working in the premises, contractor's staff under sub clause above which may arise out of the performance of the contract. The insurance shall be at least for the amount of ₹7,50,000/- for each incident.  (c) Insurance cover for Contractor's All Risk shall be full value of Contract price.
25	<b>Sub-Clause 18.1</b>	<b>Notices and Instructions</b> The Contractor shall furnish to the Employer/Engineer the postal address of his office at Delhi NCR. Any notice or instructions to be given to the Contractor under the terms of the contract shall be deemed to have been served on him if it has been delivered to his authorized agent or representative at site or if it has been sent by registered post to the office, or to the address of the firm last furnished by the Contractor.  The Contractor shall establish an office in the Delhi NCR in consultation with the in charge for planning, co-ordination and monitoring the progress of the Work and intimate the same in writing to in charge. In addition, the Contractor may set up field offices at convenient and approved locations for co-ordination and for monitoring the progress of fieldwork at his own cost.

## **Section 6: GENERAL CONDITIONS OF CONTRACT**

### **NOIDA METRO RAIL CORPORATION LTD.**

*(A joint venture of Govt. of India and Govt. of U.P.)*

**AS PER NEW NMRC GENERAL  
CONDITIONS OF CONTRACT  
(JUNE -2020)(Page No.1-80)**

**NOIDA METRO RAIL CORPORATION LTD.  
Block – III, 3<sup>rd</sup> Floor,  
Ganga Shopping Complex, Sector-29, Noida – 201301,  
District Gautam Budh Nagar, Uttar Pradesh, India**

## 7. Section 7: Technical Specifications

### 7.1. Specifications

- a) IS (Indian Standard) Codes and Indian Railway Way Manual along with DMRC Track Manual and Schedule of Dimensions, Specifications are applicable in this contract.

### 7.2. Manufacturers/ Suppliers

All materials and products shall conform to the relevant standard specification, BIS codes and other relevant codes etc. and shall be of make as approved by Engineer.

The list of makes for products and materials is given below. Other equivalent manufacturers may also be considered with prior approval of the Engineer, if found conforming to all standards. Such requests should be made with all documents to the Engineer at least 45 days before the material is required and any order shall be placed only after receiving the written approval of the Engineer.

S. No.	Details of Materials/ Products	Manufacturer's Name
1	Cement	ACC, Ultratech, Gujarat, Ambuja, Grasim, JK Lakshmi, JSW, Lafarge
2	Reinforcement Bars	SAIL Plants, Rashtriya Ispat Nigam Ltd. (Vizag Steel Plant, Andhra Pradesh), Tata Steel (Jharkhand), Ispat Industries (Maharashtra), JSW Steel (Karnataka), JSP, Essar Steel (Gujarat), Monnet Steel, Electro Steel, Shyam Steel and any other integrated steel plant as per Ministry of Steel's definition.
3	Epoxy	FOSROC, SIKA QUALCRETE, Araldite, BASF, Kunal Conchem, CHRYSO, Don Chemicals, STP, Cleantech SA, TAM, CICO, MC-Bauchemie, Pinnacle, Fibrex, MYK Schomburg, Parex Group (Lanko), Hindustan Silicate & Chemical, ACC, MYK Schomburg
4	Expansion Joints	Kantaflex, Kanta, Maruti Techno, MYK Schomburg, Prequalified Manufacturers as per RDSO's latest approved list
5	Admixtures	FOSROC, MBT, MC Baucheme, Sika, APEX, Pidlite, Polygon, CHRYSO, Choksey, STP, MYK Schomburg, BASF, MAPEI, Kunal Conchem, Durabuild, Conproof, CAC, H & R Johnson, Asian Lab., TAM, Adoadditives, STP, CICO, Fairmate, ATPL, Pinnacle, Rheoplast, Grace Construction, ACC, Hindcon, DON
6	Anchor Fastener	HILTI, FISHER, AXEL Industries, Cannon, Pioneer Nuts and Bolts (TUFF Brand), MUNGO, LPSEJOT, Ripple
7	Structural Steel	TATA, SAIL, ESSAR, Maharashtra Pipes, Jindal Steel & Power Ltd., JSW, K.L. Steel, Steel Works & Power Engineers, SKS Ispat & Power, Shamil Steel, Topworth
8	Stainless Steel	Jindal, SAIL or approved equivalent
9	Reinforcement Couplers	Dextra, Moment, Arise, Hi-Tech, G.Tech, Kridhan, JB Engg., Unitech, Sanfield
10	Non shrink Grout	Fosroc Chemical (India), SIKA BASF, ELCHEM, MBT, Sika, CHRYSO, Don, Choksey, Cleantech IR, Adoadditives, TAM, STP, CICO, MYK Schomburg, Pinnacle
11	Bonding Coat	CICO, FOSROC, Sunanda speciality coating Pvt. Ltd., BASF, CHRYSO, TAM, DON, MYK Schomburg



**RFP for Annual Maintenance contract for Track of N-GN corridor and Metro Depot.**

<b>S. No.</b>	<b>Details of Materials/ Products</b>	<b>Manufacturer's Name</b>
12	Polysuphide Sealant	CICO, Pidilite, BASF, FOSROC, CHRYSO, STP, SIKA, Fairmate, DON
13	Steel Structural Fasteners	Pooja Forge, Sundram Fasteners, Unbrako, Nelson, Panchsheel, LPSEJOT
14	Corrosion Protection Paints	Berger, Johnson Nicholson, Nerolac, Asian, Akzo Nobel, PPG, Jotun, Shalimar 3M, Fosroc
15	Micro Silica	Sika, Elkem, FOSROC, MAPEI, Corniche, Star Silica, TAM, CALIPAR, CICO, Rockfit
16	Fire Resistant Paints	Akzo, Noble, PPG, Jotun
17	External Acrylic Emulsion	Berger, Apex, Asian, Nerolac, Jenson & Nicklson
18	Integral Crystalline Waterproofing Method	Kryton Buildmat Co. (Pvt.) Ltd., Penetron, Vandex International Ltd., BASF, Chryso, XYPEX, Normet India, DON, MYK Schomburg
19	Water stopper/ Bar	Kanta Rubber, Greenstreak, Maruti, Duron, Deep-Jyoti Rubber
20	Liquid polymer membrane waterproofing	INTEGRITANK, BASF, MAPEI, PIDILITE, CICO, Normet India, DON, MYK Schomburg
21	Curing Compound	Clean tech concure, SINAK, FOSROC, Adoadditives, TAM, STP CHRYSO, CICO, DON, Pinnacle
22	Pre-coated profiled Metal Sheetings	Blue, Scope steel, Multicolor, Essar Steel, Bhushan Steel, Ispat Profile India.
23	Welding Electrodes	Esab India, Advani-Oerlikon, D&H Welding Electrodes, Superon Schweisstechnik India, Maruti Weld, Modi Arc, Modi Hitech, Weld ally

## 8. Section 8: Draft Contract Agreement

THIS AGREEMENT made on the .....day of ..... 2023 at Noida, District Gautam Budh Nagar, Uttar Pradesh Between **Noida Metro Rail Corporation Limited** (Hereafter referred to as “NMRC”), a company incorporated under Companies Act 2013, vide corporate identification Number: U60231UP2014SGC066849 and having its registered office at **Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida -201301, District Gautam Budh Nagar, Uttar Pradesh, India** represented by ..... of the company, by virtue of his designation and authorization by **Shri/Smt....., Managing Director, NMRC** (hereinafter called as the “Employer”), which expression shall unless excluded by or repugnant to the context or meaning thereof be deemed to include its successors and permitted assigns) of the one part,

**AND**

..... having its registered office at ..... represented by ..... (herein after called the “**Contractor**”, which expression shall unless excluded by or repugnant to the context or meaning thereof be deemed to include its successors and permitted assigns) of the other part. WHEREAS the Employer desires that the Works known as the “.....” should be executed by the Contractor, and has accepted a contract by the Contractor for the execution and completion of these Works.

The Employer and the Contractor agree as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract documents referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement -

### Reference:

- (i) Tender No. .... Dated .....
- (ii) Bid Documents duly accepted and submitted by ..... dated .....
- (iii) The Bidding Documents which include all the Sections specified below:
  - a. Section 1: General Information
  - b. Section 2: Terms of Reference
  - c. Section 3: Instructions to Bidders
  - d. Section 4: Qualification, Evaluation and Selection Process
  - e. Section 5: Special Conditions of Contract
  - f. Section 6: Technical Specifications
  - g. Section 7: Draft Contract Agreement
  - h. Section 8: Appendix and Forms
  - i. General Conditions of Contract (GCC)
  - j. Safety, Health and Environment Management (SHE)
  - k. Amendment/ Modification, if any
- (iv) Notice of Award ( ..... ) issued by NMRC
- (v) Letter of Acceptance of NOA (.....) given by ..... to NMRC
- (vi) Any other admitted correspondence documents between NMRC and the Bidder.

**3. Duration of Contract**

The Corporation intends to appoint a Contractor to NMRC for a period of 3 (Three) years.

**4. Price Schedule**

NMRC shall consider the following Total Contract Price, as quoted by the Contractor as part of financial bid.

5. The courts at District Gautam Budh Nagar, Uttar Pradesh shall have the exclusive jurisdiction to try all disputes arising out of this agreement between the parties.

6. In consideration of the payments to be made by the Employer to the Contractor as specified in this Agreement, the Contractor hereby covenants with the Employer to execute the Works and to remedy defects therein in conformity in all respects with the provisions of the Contract and Notice of Award issued. **"Any conditions, deviation, assumption, exclusion, suggestion of alternative clauses, request of amendments in conditions & specifications of work submitted by bidders along with his Technical Bid or Financial bid, which is different from the Tender Document, Corrigendum, Addendum uploaded by NMRC on the E-Tender Portal (<http://etender.up.nic.in>) or [www.nmrcnoida.com](http://www.nmrcnoida.com) and any other correspondence in this regard, shall not be treated as a part of the contract Agreement & shall not be binding upon NMRC in anyway whatsoever at any stage of work during execution or thereafter."**

7. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract and NOA.

IN WITNESS where of the parties hereto have caused this Agreement to be executed in accordance with the laws of India on the day, month and year specified above.

For and on behalf of the Contractor  
Signature of the authorized official

For and on behalf of the Employer  
Signature of the authorized official

**Name of the official**

**Name of the official**

Stamp/Seal of the contractor

Stamp/Seal of the Employer

In the presence of:

In the presence of:

Sign of Witness 1 \_\_\_\_\_

Sign of Witness 1 \_\_\_\_\_

Name \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**RFP for Annual Maintenance contract for Track of N-GN corridor and Metro Depot.**

Sign of Witness 2\_\_\_\_\_

Sign of Witness 2\_\_\_\_\_

Name\_\_\_\_\_

Name\_\_\_\_\_

Address\_\_\_\_\_

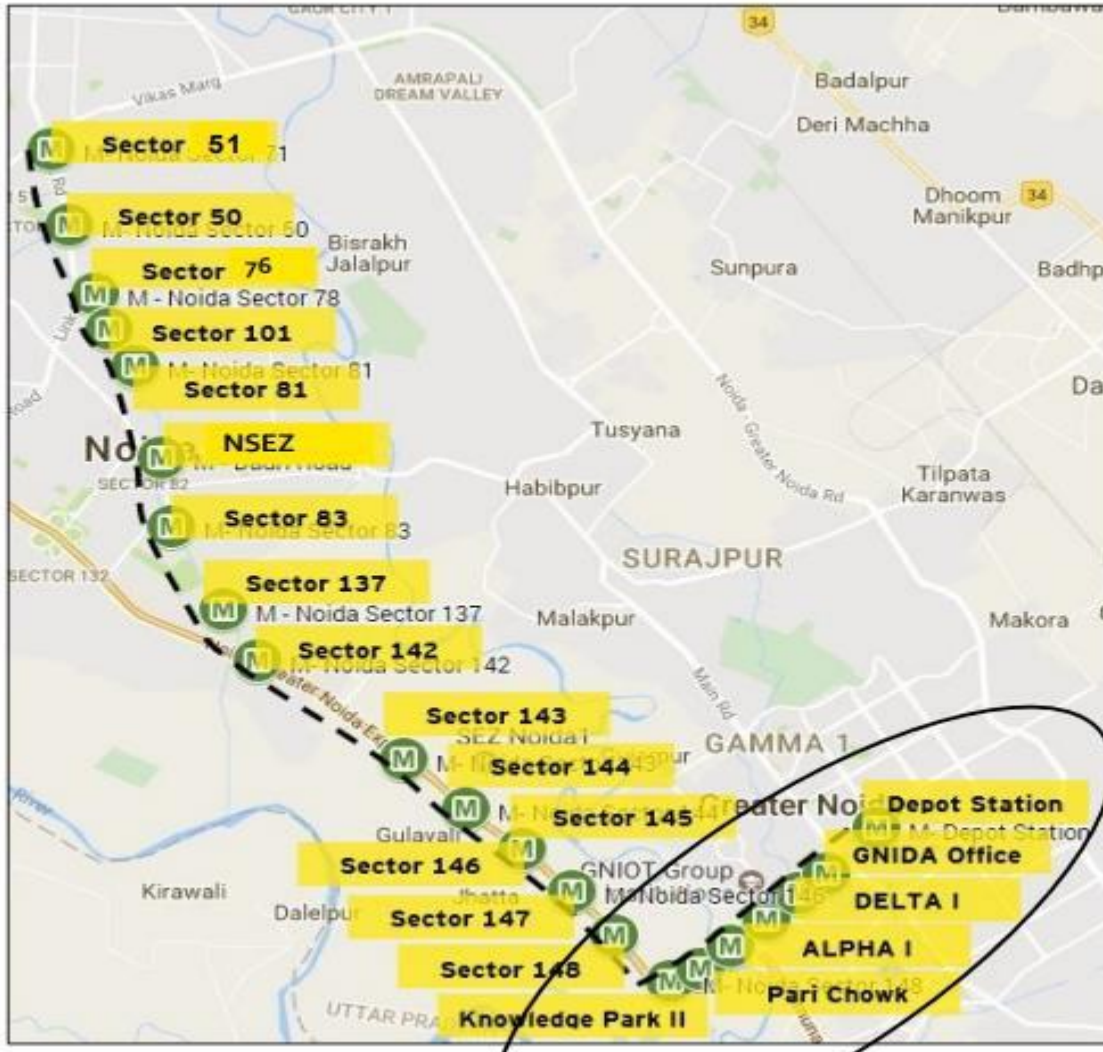
Address\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## 9. Section 9: Appendix and Forms of Tender

### 9.1. Appendix 1: Metro Alignment



Please Note: The map shown above is indicative (not to scale)

**RFP for Annual Maintenance contract for Track of N-GN corridor and Metro Depot.**

<b>S.NO.</b>	<b>Name of the Station</b>
1.	Sector - 51
2.	Sector - 50
3.	Sector - 76
4.	Sector - 101
5.	Sector - 81
6.	NSEZ
7.	Sector - 83
8.	Sector - 137
9.	Sector - 142
10.	Sector - 143
11.	Sector - 144
12.	Sector - 145
13.	Sector - 146
14.	Sector - 147
15.	Sector - 148
16.	Knowledge Park II
17.	Pari Chowk
18.	Alpha - 1
19.	Delta - 1
20.	GNIDA Office
21.	Depot Station
22.	Depot

## **9.2. Appendix 2: Quality Assurance**

The Contractor shall implement a Project Quality Management Plan in accordance with ISO9001 "Quality System - Model for Quality Assurance in Design/Development, Production, Installation and Servicing" to ensure that all materials, workmanship, plant and equipment supplied and work done under the contract meets the requirements of the contract. This plan shall apply to all activities related to the quality of items, including designing, purchasing, inspecting, handling, assembling, testing, storing, and shipping of materials and equipment and different elements of maintenance work and installations of system components.

The Quality Plan to be prepared by the Contractor and submitted to the Engineer shall follow the requirements of ISO 9000 and address each element therein.

Registration of the Contractor's organization, or subcontractors or sub-consultants is not required for this Project but the Project Quality Management Plan as submitted shall meet the intent of the ISO 9000 requirement in that there is a comprehensive and documented approach to achieving the project quality requirements.

### **Quality Assurance Management Plan**

The Project Quality Management Plan (PQMP) shall as a minimum address the quality system elements as required by ISO 9001, generally noting the applicability to the Contractor's Works Programme for the Project. Procedures or Quality Plans to be prepared by others (Suppliers, Subcontractors, and Sub-consultants) and their incorporation in the overall PQMP shall be identified.

The Contractor shall provide and maintain a Quality Assurance Plan (QA) to regulate methods, procedures, and processes to ensure compliance with the Contract requirements. The QA Plan, including QA written procedures, shall be submitted to the Engineer for his review.

Adequate records shall be maintained in a readily retrievable manner to provide documented evidence of quality monitoring and accountability. These records shall be available to Employer at all times during the term of the Contract and during the Defects Liability Period and for a five year period thereafter.

The Plan shall identify:

- a. Design Process: that control, check and verify the accuracy, completeness and integration of the design shall be performed by certified personnel and in accordance with documented procedure that have the written consent of the Engineer.
- b. Special Processes: that control or verify quality shall be performed by certified personnel and in accordance with documented procedures that have the written consent of the Engineer;
- c. Identification and Inspection Status: a system for identifying the progressive inspection status of equipment, materials, components, subassemblies, and assemblies as to their acceptance, rejection, or non-inspection shall be maintained;
- d. Handling, Storage, and Delivery: provide for adequate work, surveillance and inspection instructions.
- e. The Plan shall ensure that conditions adverse to quality such as failures, malfunctions, deficiencies, deviations, and defects in materials and equipment shall be promptly identified and corrected.
- f. The Plan shall provide for establishing, and maintaining an effective and positive system for controlling non-conforming material including procedures for the identification, segregation, and disposal of all

non-conforming material. Dispositions for the use or repair of nonconforming materials shall require the Engineers consent.

**Plan Implementation and Verification**

The Plan shall clearly define the QA Organization. Management responsibility for the QA shall be set forth on the Contractor's policy and organization chart. The Plan shall define the requirements for QA personnel, their skills and training. Records of personnel certifications shall be maintained and monitored by the QA personnel. These records shall be made available to the Engineer for review, upon request.

The QA operations shall be subject to the Engineers, Employer or Employer's authorized representative's verification at any time, including: surveillance of the operations to determine that practices, methods and procedures of the plan are being properly applied; inspection to measure quality of items to be offered for acceptance; and audits to ensure compliance with the Contract documents.

The contractor's Quality Audit Schedule shall be submitted to the Engineer for consent every three months or more frequently as required.

The results of Quality Audits shall be summarized in the Contractor's monthly reports.

The Contractor shall provide all necessary access, assistance and facilities to enable the Engineer to carry out on-site and off-site surveillance of Quality Assurance Audits to verify that the quality system which has the consent of the Engineer is being implemented fully and properly.



### **9.3. Form 1: Letter of Proposal Submission**

[Location, Date]

To

GM (Technical)  
Noida Metro Rail Corporation (NMRC) Limited  
Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29,  
Noida -201301  
District Gautam Budh Nagar, Uttar Pradesh

**Subject: Annual Maintenance contract for Track of N-GN corridor and Metro Depot.**

Dear Sir,

We, the undersigned, offer to provide Annual Maintenance contract for Track of N-GN corridor and Metro Depot in accordance with your RFP Document dated [ Insert Date] and our Proposal. We are hereby submitting our Technical and Financial Proposal. We confirm that we have read the RFP Document in totality and abide by the terms and conditions stated in the document.

We acknowledge that we have

- Studied and analyzed and satisfied ourselves about all the requirements of the tender including but not limited to market and market conditions
- Carefully assessed the commerciality of Project and that we will be fully responsible for all its assessment in this regard.
- Seen / visited / assessed the potential locations and fully understand and comprehend the technical, financial, commercial and investment requirements.

We have filled the complete information correctly in **Form 21**.

We hereby declare that all the information and statements made in this Proposal are true and accept that any misinterpretation contained in it may lead to our disqualification. Our Proposal is binding upon us.

We understand you are not bound to accept any Bid you receive.

\_\_\_\_\_  
Yours Sincerely,

Authorized Signature [In full and initials]:

Name and Title of Signatory:

Name and address of Firm:

**9.4. Form 2: Firm Details**

1.	<p><b>Title and name of the Project:</b></p> <p><b>Annual Maintenance contract for Track of N-GN corridor and Metro Depot.</b></p>
2.	<p>State the structure of the Bidder's organization (Bidders to complete/delete as appropriate)</p> <p>Sole Bidder</p>
3.	<p>For Bidders 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, proprietorship, etc.) .....</p> <p>Registered address: .....</p> <p>Year of incorporation.....</p> <p>Principal place of business: .....</p> <p>Contact person: .....</p> <p>Contact person's title: .....</p> <p>Address, telephone, facsimile number and e-mail ID of contact person: ..... ..... .....</p>
4.	<p>Employees Provident Fund No. (attach documentary proof) -</p>
5.	<p>Employees State Insurance Acts in India No. (attach documentary proof) -</p>
6.	<p>GST Registration No. (attach documentary proof) -</p>
7.	<p>PAN (attach documentary proof) -</p>

### 9.5. Form 3: Capability Statement

It is Compulsory for the bidder to fill this statement and the bidder must upload those document that support this statement

Tender Reference No: \_\_\_\_\_

Name of Work: \_\_\_\_\_

Name of Bidder: \_\_\_\_\_

<u>S.No.</u>	<u>ELIGIBILITY CRITERIA</u>	<u>(To be filled by the Bidder)</u>
1	Sole proprietorship, registered partnership firm, public limited company, private limited company can submit the Bid. The firms and the companies should be registered in India.	Yes/ No
2	<p>The Bidder should have a minimum experience of having satisfactorily completed similar works during last 7 (seven) years period ending last day of month previous to the one in which the bids are invited should be eitherof the following</p> <ul style="list-style-type: none"> <li>i. One similar completed work costing not less than the amount equal to <b>Rs. 1.94 Crore (Rupees One Crore Ninety Four Lakh only)</b> or</li> <li>ii. Two similar completed works each costing not less than the amount equal to <b>Rs. 1.21 Crore (Rupees One Crore Twenty One Lakh only)</b> or</li> <li>iii. Three similar completed works each costing not less than the amount equal to <b>Rs. 97.02 Lakh (Rupees Ninety Seven Lakh Two Thousand only)</b></li> </ul>	

**RFP for Annual Maintenance contract for Track of N-GN corridor and Metro Depot.**

<b>S.No.</b>	<b>ELIGIBILITY CRITERIA</b>	<b>(To be filled by the Bidder)</b>													
3	The Bidder should have in the last 3 (three) Financial Years preceding the Bid Due Date -  i. Minimum average annual turnover of <b>Rs. 64.68 Lakh (Rupees Sixty Four Lakh Sixty Eight Thousand only)</b>	<table border="1"> <tr> <td data-bbox="707 280 906 347">Year</td> <td data-bbox="906 280 1114 347">T/O</td> </tr> <tr> <td data-bbox="707 347 906 414">2021-22</td> <td data-bbox="906 347 1114 414"></td> </tr> <tr> <td data-bbox="707 414 906 481">2020-21</td> <td data-bbox="906 414 1114 481"></td> </tr> <tr> <td data-bbox="707 481 906 548">2019-20</td> <td data-bbox="906 481 1114 548"></td> </tr> <tr> <td data-bbox="707 548 906 631">Avg T/O</td> <td data-bbox="906 548 1114 631"></td> </tr> </table>	Year	T/O	2021-22		2020-21		2019-20		Avg T/O				
Year	T/O														
2021-22															
2020-21															
2019-20															
Avg T/O															
4	Liquidity – Net current assets from balance sheet of last year audited <b>Rs. 11.55 Lakh</b> to meet cash flow for this contract														
5	The Bidder should have minimum Net Worth of greater than <b>16.17 Lakh</b> in audited Financial Year.														
6	The Bidder should have Positive Profit before Tax in at least 2 (two) years, out of the last 5 (Five) Financial Years	<table border="1"> <tr> <td data-bbox="707 896 906 952">FY 2021-22</td> <td data-bbox="906 896 1114 952"></td> </tr> <tr> <td data-bbox="707 952 906 1008">FY 2020-21</td> <td data-bbox="906 952 1114 1008"></td> </tr> <tr> <td data-bbox="707 1008 906 1064">FY 2019-20</td> <td data-bbox="906 1008 1114 1064"></td> </tr> <tr> <td data-bbox="707 1064 906 1120">FY 2018-19</td> <td data-bbox="906 1064 1114 1120"></td> </tr> <tr> <td data-bbox="707 1120 906 1176">FY 2017-18</td> <td data-bbox="906 1120 1114 1176"></td> </tr> <tr> <td data-bbox="707 1176 906 1276">Total</td> <td data-bbox="906 1176 1114 1276"></td> </tr> </table>	FY 2021-22		FY 2020-21		FY 2019-20		FY 2018-19		FY 2017-18		Total		
FY 2021-22															
FY 2020-21															
FY 2019-20															
FY 2018-19															
FY 2017-18															
Total															
7	The Bidder must have either the Registered Office or the functional Branch Office located in Delhi NCR Noida, Greater Noida.														
8	The Bidder should be registered with the Goods and Services Tax Authorities.														
9	The Bidder should not have been blacklisted/ banned/ declared ineligible for corrupt and fraudulent practices by the Government of India/ any State Government/ Government Agency and Supreme court and contracts have been terminated/ foreclosed by any company / department due to non- fulfillment of Contractual obligation in last 5 (five) financial years.														

### 9.6. Form 4: Work Experience

The following format shall be used for statement of experience of Bidder:

SN	Similar Contract description	Contract Identification Number	Award date & Completion date	Employer's Name, address, telephone number, e-mail etc	Role in contract		If in JV/consortium then % participation	Completion cost	Value of similar work in completed work
					Individual	JV/ Consortium			
1									
2									
3									
4									
Add required number of rows									

#### Authorized signatory

**Name:**

**Date:**

**Name of the Bidder with seal**

#### NOTE:

- 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
- The tenderer shall upload details of work executed by them in the prescribed format for the works to be considered for qualification of work experience criteria. Documentary proof such as completion certificates from the client clearly indicating the nature/scope of work, actual completion cost and actual date of completion for such work should be uploaded. In case work is executed for private client documentary proof such as copy of work order, Bill of quantities, Bill wise details of payment received certified by CA, TDS certificates for all the payments received, copy of final/ last bill paid by the client should be uploaded. The offers submitted without this documentary proof will not be evaluated.
- Value of successfully completed portion of any ongoing work up to the last day of the previous month of tender submission will also be considered for qualification of work experience criteria.
- For completed works, value of work done shall be updated to the last day of the previous month of tender submission 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.
- 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. This is to be substantiated with documentary evidence.
- If the above work(s) comprise(s) other works also, then client's certificate clearly indicating the amount of work done in respect of the "similar work" shall be furnished by the tenderer in support of work experience along-with their tender submissions.

### 9.7. Form 5: Financial Capability Details

**RFP for Annual Maintenance contract for Track of N-GN corridor and Metro Depot.**

Bidder should submit their financial details as per the following:

This is to certify that the Average Annual Turnover, Liquidity, Net Worth & Profitability of M/s

.....

having registered office at .....

....., as applicable, is as below:

S.No.	Financial year	Name of the Bidder	Average Annual Turnover
1.	2019-20		
2.	2020-21		
3.	2021-22		
	Average Annual Turnover		

S.No.	Financial year	Name of the Bidder	Liquidity

S.No.	Financial year	Name of the Bidder	Net worth

S.No.	Financial year	Name of the Bidder	Profitability
1.			
2.			
3.			
4.			
5.			

**Certificate of the Chartered Accountants/Statutory Auditors**

Based on Audited Accounts and other relevant documents of \_\_\_\_\_(Name of Bidder), we M/s \_\_\_\_\_, Chartered Accountants/ Statutory Auditors, certify that the above information pertaining to FY 2019-20, 2020-21 and FY 2021-22 is correct.

Signature and Seal of  
Chartered Accountants/Statutory Auditors  
(With membership no. & UDIN No.)

**Authorised Signatory**

**(Name & Designation of Authorised Signatory)**

*In case the Financial Statements for the latest financial year are not audited and therefore the Bidder cannot make it available, the Bidder shall give an undertaking to this effect and the statutory auditor/charted accountant shall certify the same. In such a case, the Bidder shall provide the Audited Financial Statements for 2 (two) years preceding the year for which the Audited Financial Statement is*

*not being provided. Also, pertaining to latest financial year, the bidder shall submit an affidavit certifying that "The Annual Accounts have not been audited so far. We are submitting the CA certified provisional accounts,*

***RFP for Annual Maintenance contract for Track of N-GN corridor and Metro Depot.***

*which shall be substantiated by the Audited Accounts, when prepared.”*

**NOTE:**

1. All such documents reflect the financial data of the bidder and not that of sister or parent company.
2. The financial data in above prescribed format shall be certified by CA/ Company Auditor under his signature and stamp in original along with membership no. & UDIN no.
3. The Bidder shall provide the audited annual financial statements as required.

**9.8. Form 6: Memorandum**

**Name of Work: Annual Maintenance contract for Track of N-GN corridor and Metro Depot.**

I/We agree to keep the quoted rate open for acceptance for 180 days from the due date of submission thereof and not make any modification in its terms and conditions.

I/We hereby declare that I/We shall treat the quotation documents, drawings and other records connected with the works as secret/ confidential documents and shall not communicate information derived there from to any person other than the information in any manner prejudicial to the safety of NMRC.

\_\_\_\_\_  
Signature of the bidder with seal

Dated:

Witness:

Address:

Occupation



**9.9. Form 7: Undertaking**

I confirm that We (Tenderer), \_\_\_\_\_

- a. Have not been banned /declared ineligible for corrupt and fraudulent practices by any government/government-undertaking/ semi-government/ govt.-controlled institutions, any court of law having jurisdiction in India for the past 5 (five) years.
- b. Do not have any pending litigation & non-performing contracts during last 5 (five) years. Further, has not been barred by any government/government-undertaking/ semi-government/ govt.-controlled institutions
- c. Have not abandoned any work in last 5 (five) years.
- d. Have not delayed in similar work completion during orders executed in last 5 (five) years.
- e. Do not ever been terminated due to poor performance.
- f. Have not suffered Bankruptcy/ insolvency in last 5 (five) years.
- g. Have not been blacklisted/debarred by any organization.
- h. Have not been be involved in any illegal activity and/or has not been charge sheeted for any criminal act during the last 5 (five) years.
- i. Have not submitted any misleading information in the Bid.
- j. Are financially sound to perform the work.

**Authorized signatory**

**Name:**

**Date:**

**Name of the Bidder with seal**

**9.10. Form 8: Power of Attorney**

**(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution.)**

**Power of Attorney to be provided by the Bidding Company in favour of its representative as evidence of authorized signatory's authority.**

Know all men by these presents, We .....(name and address of the registered office of the Bidding Company) do hereby constitute, appoint and authorize Mr./Ms.....(name and residential address) who is presently employed with us and holding the position of \_\_\_\_\_, as our Attorney to do in our name and our behalf all or any of the acts, deeds or things necessary or incidental to submission of our Bid for **Annual Maintenance contract for Track of N-GN corridor and Metro Depot**". in response to the RFP Document dated \_\_\_\_\_ issued by Noida Metro Rail Corporation ("NMRC" or "the Corporation"), including signing and submission of the Bid and all other documents related to the Bid, including but not limited to undertakings, letters, certificates, acceptances, clarifications, guarantees or any other document which the Corporation may require us to submit. The aforesaid Attorney is further authorized for making representations to the NMRC or any other authority, and providing information / responses to the NMRC, representing us in all matters before the NMRC, and generally dealing with the Corporation in all matters in connection with our Bid till the completion of the bidding process as per the terms of the RFP Document and further till the Contract is entered into with the NMRC and thereafter till the expiry of the Contract.

We hereby agree to ratify all acts, deeds and things done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall be binding on us and shall always be deemed to have been done by us.

All the terms used herein but not defined shall have the meaning ascribed to such terms under the RFP Document.

Signed by the within named  
.....[Insert the name of the executants company]  
through the hand of  
Mr. ....  
duly authorized by the Board to issue such Power of Attorney  
Dated this ..... day of .....

Accepted  
.....  
Signature of Attorney  
(Name, designation and address of the Attorney)

Attested  
.....  
(Signature of the executant)  
(Name, designation and address of the executant)

.....  
Signature and stamp of Notary of the place of execution

**RFP for Annual Maintenance contract for Track of N-GN corridor and Metro Depot.**

Common seal of ..... has been affixed in my/our presence pursuant to Board of Director's Resolution dated.....

**WITNESS**

1. ....  
(Signature)  
Name .....
  
- Designation.....
2. ....  
(Signature)  
Name .....
  
- Designation.....

**Notes:**

- (1) The mode of execution of the power of attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and the same should be under common seal of the executant affixed in accordance with the applicable procedure. Further, the person whose signatures are to be provided on the power of attorney shall be duly authorized by the executant(s) in this regard.
- (2) In the event, power of attorney has been executed outside India, the same needs to be duly notarized by a notary public of the jurisdiction where it is executed.
- (3) Also, wherever required, the executant(s) should submit for verification the extract of the charter documents and documents such as a board resolution / power of attorney, in favour of the person executing this power of attorney for delegation of power hereunder on behalf of the executant(s).

**9.11. Form 9: Bid Capacity Information**

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 and email	Contract Value In Rupees Equivalent (Give only the value of work assigned to the applicant(s))	Value of balance work yet to be done in Rupee equivalent as on last day of the previous month of tender submission	Date of Completion as per Contract Agreement	Expected Completion Date	Delay if any, with reason	Value of work to be done during next 36 months with effect from the first day of the month of tender submission
<b>Total</b>							

S.No.	Financial year	Total Value of Works done as per audited financial statements
1		
2		
3		

Bid Capacity (Bidder shall calculate, mention his bid capacity and enclose the supporting calculation)

A = Rs. ....

N = ..... years

B = Rs. ....

Assessed available bid capacity =  $2 * A * N - B$

**Certificate of the Chartered Accountants / Company Auditor**

We, M/s \_\_\_\_\_, Chartered Accountants/ Company Auditors, certify that the above information is correct.

Name of Chartered Accountants / Company Auditor

Signature and Seal of Chartered Accountants/ Company Auditor

Membership Number & UDIN No. of Chartered Accountants/ Company Auditor

**Authorised Signatory**

**(Name & Designation of Authorised Signatory)**

**NOTE:**

1. The financial data in above prescribed format shall be certified by Chartered Accountant/ Company Auditor in original under his signature & stamp along with audited financial statements
2. Value of existing commitments for on-going works during period of 36 months w.e.f. from the first day of the month of tender submission has to be uploaded by the tenderer in Form. These data shall be certified by the Chartered Accountant with his stamp and signature in original with membership number.





**9.14. Form 12: Undertaking pertaining to Personnel**

- We confirm to deploy Project Personnel required to achieve progress of work as per approved construction of work program and conditions mentioned in the tender document.
- We confirm to deploy man power requirement of SHE Organization as required under Conditions of contract on Safety and Health for civil works of O&M wing and confirm to deploy man power over and above the minimum numbers, if the work requires.
- The contractor shall deploy resources as per the mentioned minimum requirement in the tender and also confirm to deploy manpower over and above the minimum numbers indicated above, if the work requires so.
- These minimum resources are as per the requirements of the various activities at different stages of works. All resources need not to be mobilised simultaneously, resources as per the requirement of various stages of works shall be mobilised in accordance with the instructions of the Engineer. The decision of the Engineer shall be final and bonding.
- The performance of project personal deployed will be evaluated periodically by Employer during the contract period. In case the performance of any of the personnel is not satisfactory, the contractor shall replace them with good personnel immediately as per the directions of the Engineer.

**Date:**

**Signature with Stamp/Seal**



**9.15. Form 13: Resources proposed for the O&M - Plant & Equipment**

1. We hereby confirm to deploy the minimum resources as per mentioned minimum requirement in the tender document.
2. We further confirm that we shall only mobilize “Truck Transmission type” Pick and Carry HydraCrane – 2nd Generation models, wherever Hydra Cranes will be required.
3. We confirm that the age of the following Construction Plant & Machinery has been restricted by NMRC as given below. If any of these machinery is used by us at the site, the machinery shall abide by the following age restrictions :

S.No	Construction Plant & Machinery	Maximum Permissible Age	No. of Equipment
1	JCB/3 <sup>rd</sup> Generation hydra	10 years	1
2	Concrete Mixer	5 years	1
3	Mini Truck/ Tempo	10 years	1
4	Welding Plant	10 years	1
5	Pneumatic Hammer	10 years	1

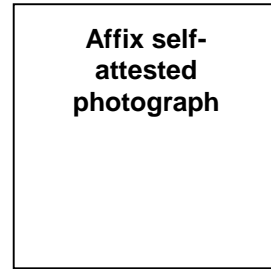
Note: These resources are for peak period of each activity. All plants and equipments need not to be mobilized simultaneously, plants and equipment's as required as per the progress of the work shall be brought at site in advance as directed by the Engineer-in-Charge.

4. We confirm to deploy resources as per the above-mentioned minimum requirement and also confirm to deploy plants & equipments over and above the minimum numbers indicated above, if the work requires so.
5. Hiring of Cranes shall be as per approved by Engineer-in-Charge. Third party certification of cranes, competency certification of the operators etc. would be required before grant of approval.

**Date:**

**Signature with Stamp/Seal**

9.16. Form 14: Proposed Personnel



**NAME** : .....

**EMPLOYEE ID** : .....

**FATHER'S NAME** : .....

**DATE OF BIRTH** : .....

**PERMANENT ADDRESS** : .....

.....

**RESIDENTIAL ADDRESS** : .....

.....

**MARITAL STATUS** : .....

**EDUCATIONAL QUALIFICATION** : .....

**TECHNICAL QUALIFICATION** : .....

**EXPERIENCE** : .....

**LANGUAGE KNOWN** : .....

**NATIONALITY** : .....

**CATEGORY** : .....

**DATE:** .....

**PLACE:** .....



**SIGNATURE**

(To be filled by contractor)

**Attested by authorised person:**

**Note:** A staffing schedule containing the names, qualifications, professional experience and corporate affiliation of all proposed management personnel (above the level of shift supervisor) and specialists for this work. The submission shall include a provisional management structure and organisation chart showing areas of responsibility, relative seniorities and lines of reporting. The proposed staffing plan shall be in conformity with the "Clause 4.3 – Personnel" of tender document.

**9.17. Form 15: Obligation/ Compliance to be ensured by Contractor**

Sl. No.	Items	Compliance of Contractor (To be filled by contractor)	
		Yes	No
1	License for employing contract labour		
2	Compliance of minimum wages Act by payment of wage on 7th of every month through Bank or in the presence of nominated representative of employer (NMRC Supervisor/manager)		
3 (a)	Compliance of provision of ESI & EPF Act		
3 (b)	Ensure treatment in ESI hospital in case of accident/injuries suffered in performance of work and compensation under ESI Act.		
4	Send Accident report to Regional Labour Commissioner (RLC) & ESI authorities.		
5	Observance of working hours, weekly rest and overtime payments as per minimum wages Act-1948.		

Note: - A Non-filling or "No" by contractor will lead to non-eligibility for contractor in further tendering process.

S.N	Description	Reference Clause	Requirement
i	Latest "date for commencement" of the Works	Clause 8.1 of the GCC	Date given in NOA or Employer's Notice to Proceed
ii	Liquidated Damages	Clause 8.5 of the GCC	(i) 0.015% of contract price per day of delay in completion of whole work. (ii) Total maximum limit of LD including sums payable by the employer to designated contractors is 15% as mentioned in GCC.
iii	Insurance for workers/ employees	Clause 15.4 of the GCC	All of the contractor's employees shall have to be covered under ESI and ECA as per Special conditions of contract.
iv	Insurance cover for Contractor's All Risk and other requirements as specified in the GCC	Clause 15 of the GCC	<b>100%</b> of the Total Contract Price.
v	Amount of Third Party Insurance	Clause 15.3 of the GCC	INR 0.75 Million for any one incident, with no. of incidents unlimited.
vi	Period in which all insurances have to be effected	Clause 15.5 of the GCC	Within 1 week from the "date of commencement"

Signature of authorized signatory of Tenderer

**9.18. Form 16: Proforma for Clarifications / Amendments on the RFP**

<b>Sl. No.</b>	<b>Document</b>	<b>Clause No. and Existing Provision</b>	<b>Clarification required</b>	<b>Suggested Text for the Amendment</b>	<b>Rationale for the Clarification or Amendment</b>

**Authorized signatory**

**Name:**

**Date:**

**Name of the Bidder with seal**

**9.19. Form 17: Bid Offer/ BOQ (Format)**

To

Executive Director

Noida Metro Rail Corporation (NMRC) Limited

Block-III, 3<sup>rd</sup> Floor, Ganga Shopping Complex

Noida -201301,

District Gautam Budh Nagar, Uttar Pradesh

***THIS FORM IS NOT TO BE FILLED. THE BIDDERS ARE REQUIRED TO FILL THE FINANCIAL PROPOSAL IN XLS FORMAT AFTER DOWNLOADING THE FORM FROM THE E-PROCUREMENT WEBSITE FOR THIS TENDER DOCUMENT***

**Sub: Annual Maintenance contract for Track of N-GN corridor and Metro Depot.**

Dear Sir,

I/we have read and examined the RFP document, general terms and conditions.

I/we hereby quote for the Total Price for Annual Maintenance contract for Track of N-GN corridor and Metro Depot as specified below, payable by NMRC.

## Price Schedule

### Track AMC for N-GN Corridor and Metro Depot

S. No.	Item	Unit	Rate	Qty.	Amount
1	DSR 2021	Lump sum	600000	1.00	600000
<b>Total Amount of schedule 'A'</b>					<b>600000</b>
1(A)	Transportation of rail panel/Crossing/Switch from depot to main line including placing on dip lorry, loading and unloading with all tools and plant on trolley and helping hand with hydra as per direction of engineer in-charge.				
(i)	Transportation upto 12 km	Per job	20,203.29	36	727318.44
(ii)	Extra for transportation from more than 12 Km	Per job	13480.80	24	323539.20
2	Rail Replacement at main line/Depot on viaduct/At grade including refixing and fixing of track fittings with his own T&P and machine as per direction of engineer in-charge.	Mtr.	898.53	260	233617.80
3	Crossing replacement with all pads and plates at main line/Depot on viaduct/At grade with all T&P as per direction of engineer in-charge	No.	16173.60	4	64694.4
4	Half set of switch replacement at mainline/Depot on viaduct/At grade including replacement of required fittings with own T&P as per direction of engineer in-charge.	No.	29378.40	4	117513.60
5	Complete pad replacement of single crossing including lead portion and back of crossing portion upto 10 Mtr each side with all T&P As per direction of engineer in-charge.	No.	18249.60	2	36499.2
6	Complete pad replacement of half set switch including lead portion and ahead of SRJ upto 10 Mtr each side including track lifting, ballast opening and refilling as per direction of engineer in charge.	No.	27640.80	2	55281.60

**RFP for Annual Maintenance contract for Track of N-GN corridor and Metro Depot.**

7	Thorough attention of track fittings including replacement of track fittings if required as per direction of engineer in-charge.	Mtr. Rail	10.60	72000	763200.00
8	Providing and laying of micro concrete for repair of small damaged patches in RCC plinth of track including providing and installing of Form work of appropriate size and design as per direction of engineer in-charge.	Kg	271.95	855	232517.25
9	Core cutting and removing of broken anchor bolt and grouting of new anchor bolt with EP75 or equivalent grout as per direction of engineer in-charge.	No.	4350.00	10	43500.00
10	Cutting of old dry grease on curves & turnouts including collection and disposal of old dry grease as per direction of engineer in-charge.	Mtr. Rail	3.14	30000	94200.00
11	Picking up of slacks as directed by engineer in-charge and when required with contractors tools and plant.				
(i)	In day shift				
(a)	Plain sleepers	No.	52.91	5000.00	264550.00
(b)	Point and crossing sleepers	No.	58.19	6000.00	349140.00
12	Through cleaning of track beds, track side area & drains of viaduct excluding station platform location by brush, broom etc as required and disposal of rubbish, much etc out of via-duct to the dumping ground approved by noida and greater noida authority with contractors labor has to be done by contractor with material tools and plant complete. The work has to bed one once in 30 days interval or as per direction of engineer in-charge.				

**RFP for Annual Maintenance contract for Track of N-GN corridor and Metro Depot.**

(a)	Viaduct (double line track)	Mtr.	7.55	1050048 M	7927862.4
13	Greasing of gauge face of running rails in curve, T/Rail, check rail, nose of crossing in main line/Depot by Servo Gem RR3 or equivalent grease with contractors labour, materials, tools etc. care should be taken during greasing that no grease should become to contact of rail table as per direction of engineer in charge.				
13(A)	In day shift		0.87	46980	40872.60
13(B)	in night shift and traffic block	Mtr.	1.06	392000	415520.00
14	Greasing of ERC clips with contractors labour, grease and tools as per direction of engineer in charge.	Mtr.			
(a)	In day shift		7.71	30800	237468.00
15	Dressing and boxing of shoulder ballast (one side) as per LWR Profile as per direction of engineer in-charge.	No.			
(a)	In day shift		21.66	20000	433200.00
16	Toe load measurement of tension clamps and ERC by ITI qualified personnel proficient. Device and other equipments shall be provided by NMRC which shall be returned in good condition after the work as per direction of engineer in-charge.	Meter			
(a)	ERC Clip		55.42	350	19397



**RFP for Annual Maintenance contract for Track of N-GN corridor and Metro Depot.**

(b)	336 fastening system	No.	45.78	3000	137340.00
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17	Patrolling of Track by trained and qualified man power having minimum qualification of ITI with 3 years experience or retired railway track personnel. The patrolling shall be carried out with contractors own light arrangement, tools and equipment and shall be carried out weekly or as per direction of Engineer in-charge.	Meter track	0.66	216000	142560.00
18	Supply of Hydra/JCB as and when required as per direction of engineer in charge.	Per hours	882.84	250	220710
19	Transportation of rail (18m/13m) Switches/Crossing on trailer including loading unloading and stacking etc. as per direction of engineer in-charge.	Per Trip (30MT.in one Trip)	87508.00	6	525048
20	Cleaning/Cutting & disposal of heavy grasses, bushes etc. on the cess and slope area on both side of a long track this works include,1) cleaning jungle including uprooting of rank vegetation grass, bushes wood distance of 50 m outside of the periphery of the area cleaned. 2) Providing unskilled labor for disposal of grass up to 4 km outside the periphery of NMRC as per direction of engineer in-charge.				
(a)	In Depot	Per100S QM	803.88	1200	964656
21	Station marking on curves, turnouts AT welds during day and night time as per direction of engineer in charge.	Nos.	154.50	7100	1096950.00

**RFP for Annual Maintenance contract for Track of N-GN corridor and Metro Depot.**

22	Strengthening of existing RCC pedestal of second drive arrangement of 1:9 Ballastless Turnout including required number of 10 mm reinforcement bars as shear connectors as per direction of engineer in-charge.				
(a)	With M-30 grade cement concrete and providing 20 nos. of 10 mm dia steel shear connectors.	No	4363.47	12	52361.64

(b)	With epoxy base grout material sikadur-53 or contexture EP75 for casting and Ep10 for filling crack sand holes and providing 20 no's of 10 mm dia steel shear connectors.	No	23999.09	6	143994.54
23	Repair and filling of RCC plinth using conbextra EP 75 of make FOSROC or equivalent including providing and installing of suitable form work as per direction of engineer in-charge.	Ltr.	222.71	50	11135.50
24	Providing and injecting epoxy based grout material conbextra EP10of M/s Forsook or equivalent in the RCC plinth of track. The epoxy grout shall be injected under the pressure as per site requirement with the help of suitable pressure grouting machine during non traffic hours.	Ltr.	2977.47	15	44662.05
25	Gauge correction of track by using eccentrics bush as per the site requirement and as per direction of engineer in-charge	Per Mtr . Rail	111.29	2000	222580.00
<b>Total Amount of schedule 'B'</b>					<b>15941889.22</b>

**RFP for Annual Maintenance contract for Track of N-GN corridor and Metro Depot.**

1	Providing of Trained and qualified track personnel for 8hr shift having minimum qualification ITI for carried out various inspections of track such as curves, turnout etc. or any other track maintenance activities in day & night shift in main line and Depots as per requirement of Engineer in-charge.				
(a)	In day shift	each	795.00	500	397500.00
(b)	In Night shift and traffic block	each	795.00	2100	1669500.00
2	Providing of work man proficient in track works for 8hr shift as per requirement of engineer in-charge.				

(i)	In day shift	each	654.00	1500	981000.00
(ii)	In night shift and traffic block	each	654.00	2100	1373400.00
<b>Total Amount of schedule 'C'</b>					<b>4421400.00</b>
	<b>Schedule - D (Welding)</b>				
1	Alumino Thermo Weld 1080 HH 60 Kg rail (Auto tap) including all machines T&P and consumable with proper finishing and good in USFD testing.	Nos.	12874.44	100	1287444.00

**RFP for Annual Maintenance contract for Track of N-GN corridor and Metro Depot.**

2	Painting of rail at station at viaduct portion with anti corrosive bitumen black paint as per IS:9862:1981 after cleaning and rubbing of rails with wire brush including re fixing & fixing of fittings as per direction of site in-charge . With contractor own labour & materials.	Track m	330.11	6000	1980660.00
3	Complete I/R for cutting of rails 60KG HH or 60KG 90UTS in track during day and night in traffic block or in case as specified by engineer in-charge. Equipments like machine, High speed Haskin blade/dies cutter and disc for cutting of rails will be arranged by contractor. Three cut shall be made perfectly square to the entire satisfaction of site in charge.	Each cut	118.19	200	23638.00
<b>Total Amount of schedule 'D'</b>					<b>3291742.00</b>
<b>Grand Total of Schedule - A, Schedule -B, Schedule -C, Schedule D</b>					<b>2,42,55,031.22/-</b>

**Please Note:**

1. The Bidder with the lowest quoted cost for Annual Maintenance contract for Track of N-GN corridor and Metro Depot in the financial quote (L1 bidder) shall be selected for the award of contract.
2. The Bidder shall be required to quote the percentage in the BOQ.
3. It will be deemed to include all Taxes including GST, Duties, Octroi, Royalty etc, cost of all plants, labour, supervision, materials, transport, all temporary works, erection, maintenance, utility identification, contractor's profit and establishment/ overheads, together with preparation of design and drawings, all general risks, insurance liabilities, compliance of labour laws and obligations set out or implied in the contracts.
4. The work executed against the BOQ items in would be paid on measurement basis.
5. The Contractor may raise their 'On Account' payments on monthly basis as per the status of work on the last day of the respective month.
6. The Financial Bid submitted is unconditional and fulfills all the requirements of the TOR Document.
7. We have completely read and understood the Bid Document. The Financial Tender submitted is unconditional and fulfils all the requirements of the Tender Document.
8. Our Financial Proposal shall be binding upon us subject to the modifications resulting from contract negotiations, up to expiration of the validity period of the Proposal. We understand you are not bound to accept any Proposal you receive.

---

Signature and Name of the Authorized Person

---

NAME OF THE BIDDER AND SEAL



**9.20. Form 18: Undertaking as per Clause 4.1b of RFP**

**(to be submitted by each member of the JV/Consortium separately)**

(i) We do hereby undertake that following is the list of all the on-going track Engineering works & completed works awarded by NMRC/ any Central / State government department / public sector undertaking / other government entity or local body of value more than 40% of cost of work within last one year (from the last day of the previous month of tender submission)

**Applicant’s legal name .....** **Date.....**  
**JV/Consortium Member’s legal name..... Page ..... Of..... Pages**

S.no.	Contract No. & Name of Work	Name of Employer / Client	Name of the contractor including constituent members in case of JV/Consortium	Performance of work.	Performance based on
				* Satisfactory/unsatisfactory	*Client’s certificate/ Undertaking by
1					
2					
Add required number of rows					

\* Strikethrough whichever is not applicable.

(ii) We also do hereby undertake that the performance of works has been indicated above for all the works which are either based on client/Employer certificate or our undertaking. We also understand that NMRC at its sole discretion may get performance of any such work, for which undertaking of satisfactory performance has been given by us, directly from the Client / Employer for the Works listed above and if performance from Client / Employer for such work is found to be unsatisfactory, we shall be considered non-complaint to the tender condition.

**Note:**

- a) The tenderer may either submit satisfactory performance Certificate issued by the Client / Employer for the works or give an undertaking regarding satisfactory performance of the work with respect to completion of work/execution of work (for on-going works) failing which their tender s u b m i s i o n s h a l l not be evaluated and the tenderer shall be considered n o n -responsive and non-compliant to the tender conditions. In case of non-submission of either satisfactory performance Certificate from Client / Employer or undertaking of satisfactory performance of any of the above work, the performance of such work shall be treated as unsatisfactory while evaluating the overall performance of tenderer in terms of Note (b) below.
- b) If the tenderer has reported four or less number of works in the Form 18 then there should not be any unsatisfactory performance in any of the works of tenderer. Otherwise, the tenderer shall be considered ineligible for participating in tender process. In other cases, if the Overall Performance of tenderer in more than 20% of the works reported in the Form 18 (rounding off to the nearest lower whole number) is unsatisfactory, the tenderer including the constituent ‘substantial member(s)’ of JV/Consortium shall be considered ineligible for participating in tender process and they shall be considered ineligible applicants in terms Clause 4.1 of RFP.

**RFP for Annual Maintenance contract for Track of N-GN corridor and Metro Depot.**

- c) If there are any adverse remarks in the client's completion/performance certificate, the same shall be examined during technical evaluation.
- d) If there is any misrepresentation of facts with regards to performance in any of the works reported above, the same will be considered as "fraudulent Practice" under clause 4.33.1a (ii) of GCC and the tender submission of such tenderers will be rejected besides taking further action as per Clause 4.33.1a (vi) (a) & 13.2.1 of GCC.
- e) The undertaking shall be signed by authorized signatory of the tenderer.

Stamp & Signature of Authorized Signatory

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Example:

Works reported in the F	0-4	5	6	7	8	9	10	14
No. of unsatisfactory works acceptable	Nil	1	1	1	2	2	2	3



### **9.21. Form 19: Undertaking as per Clause 4.12 of RFP**

We hereby jointly and severally certify in accordance with clause 9.a' of the Order no. P- 45021/2/2017-PP (BE-11) of Ministry of Commerce and Industry. Department for Promotion of Industry and Internal Trade (DPIIT) {formerly Department of Industrial Policy and Promotion (DIPP), Government of India dated 28.05.2018 that the item offered meets the minimum local content of atleast 90%. The details including name of vendor, location and percentage of local content is enclosed as Form 20.

We acknowledge that false declaration by the tenderer regarding local value addition including payments to be made to their vendors for local value addition shall be treated as a fraudulent practice under GCC clause 4.33.1 (a) (i) of this tender for which the tenderer or its successors can be debarred for a period up to three years along with such other actions as may be permissible under the law.

In cases of procurement for a value in excess of Rs. 10 crores, we also undertake to submit a certificate from statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content, in accordance with clause '9.b' of the Order no. P-45021/2/2017-PP (BE-II) of Ministry of Commerce and Industry. Department for Promotion of Industry and Internal Trade (DPIT) {formerly Department of Industrial Policy and Promotion (DIPP)}. Government of India dated 28.05.2018, after Completion of works to the Engineer.

### **STAMP & SIGNATURE OF AUTHORISED SIGNATORY**

#### **Note**

1. This appendix need to be submitted only if bidder wants to avail the purchase Preference as specified in Clause of 000.
2. The undertaking shall be signed by authorized signatory of the tenderer. In case of JV/Consortium by the authorized signatory of the constituent members counter signed by the authorized signatory of tenderer.

**9.22. Form 20: List of goods, works or services tentatively proposed to be offered with local value addition**

Deleted

### 9.23. Form 21: Bid Details

The following list is intended to help the tenderers in submitting offer which are complete. An incomplete offer is liable to be rejected. Tenderers are advised to go through the list carefully and take necessary action.

S.No.	Particulars	Attached Yes / No / Not Applicable	Page no. (Mandatory)
1	Bid Processing Fees		
2	Earnest Money Deposit		
3	Form 1: Letter of Proposal Submission		
4	Form 2: Firm Details		
5	Form 3: Capability Statement		
6	Form 4: Work Experience		
7	Form 5: Financial Capability Details		
8	Form 6: Memorandum		
9	Form 7: Undertaking		
10	Form 8: Power of Attorney		
11	Form 9: Bid Capacity Information		
12	Form 10: Salable Form for Tender Document		
13	Form 11: Declaration of Refund of Earnest Money		
14	Form 12: Undertaking pertaining to Personnel		
15	Form 13: Resources proposed for the O&M - Plant & Equipment		
16	Form 14: Proposed Personnel		
17	Form 15: Obligation/ Compliance to be ensured by Contractor		
18	Form 16: Performa for Clarifications / Amendments on the RFP		
19	Form 17: Bid Offer/ BOQ		
20	Form 18: Undertaking as per clause 4.1b of RFP		
21	Form 19: Undertaking as per clause 4.12 of RFP		
22	Form 20: Deleted		
23	Form 21: Bid Details		
24	Statutory proof of existence as the legal entity		
25	PAN certificate as per legal entity		
26	A copy of the Audited balance sheets and Profit and Loss Statements for the last 3 (three) financial years		
27	Self attested copy of ITR		
28	Copy of GST registration certificate, EPF, ESI		
29	Any other document asked by the Employer if submitted, specify the documents Or Any other document which the Tenderer considers relevant		