



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

**Contract NGNDD01: Engagement of Detailed Design Consultant (DDC) for Civil, Architectural and E & M Works of Noida-Greater Noida Metro Corridor from Sector – 51 Noida to Greater Noida Sector – 2, Consisting of 9.605 Km Viaduct including 5 elevated Stations.**

**CONTRACT NO: NGNDDC01**

**TENDER DOCUMENTS**

**VOLUME 3**

**Financial Package**

**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**

CONTRACT NO: NGNDD01

**Financial Package**  
**FORM OF TENDER**

To

**Noida Metro Rail Corporation Limited**  
Block –III, 3<sup>rd</sup> Floor, Ganga Shopping Complex,  
Sector 29, Noida -201301,  
Uttar Pradesh

GENTLEMEN

Having examined the Tender Documents for **Contract NGNDD01** as set out in your Notice of Invitation to Tender, Instructions to Tenderers, the Conditions of Contract and the matters set out in the tender documents, we undertake to provide detail design consultancy for the works prescribed in given scope of work and details given in tender documents at

**The Lump Sum Price of:**

**CONTRACT NO: NGNDD01 : Engagement of Detailed Design Consultant (DDC) for Civil, Architectural and E & M Works of Noida-Greater Noida Metro Corridor from Sector – 51 Noida to Greater Noida Sector – 2 ; consisting of 9.605 Km Viaduct including 5 Stations.**

Lumpsum quote for Engagement of Detailed Design Consultant (DDC) for Civil, Architectural and E & M Works of Noida-Greater Noida Metro Corridor from Sector – 51 Noida to Greater Noida Sector – 2 ; consisting of 9.605 Km Viaduct including 5 Stations.	Estimated Cost (INR): 2,76,00,000/-
Quoted % rate * in figures	
Quoted % rate * in words	

\*(Above/Below/Atpar)

NOTE: The amount quoted in words will be taken as final in case of any discrepancy between amount in figures and words.

Signature of Authorized Signatory  
on behalf of Tenderer

## Schedule 'A'

**NOTE: The lumpsum amount quoted in Indian Rupees and/or Foreign Currency by the tenderer shall be distributed in the manner specified in Column 3 of Schedule-A of Financial Package for the purpose of payment only.**

S. No.	Description of major items/portion of detailed design and consultancy works	Percentage distribution of the Lump Sum Price Quoted
(1)	(2)	(3)
1	a) Review of Alignment b) Preparations of all preliminary designs, conceptual plans. c) Preparation of Tender documents, BOQ, Cost Estimates, manuals essential to finalize tenders of Civil, E&M, Track, etc . Development of interface management scheme and value engineering etc. to be submitted and approved before issue of works contracts for viaducts, stations, etc. broadly covering all clauses under Scope of work for Civil and Architectural works	15%
2.	Proof checking of complete structural design civil of elevated/at grade stations, including all related submissions, value Engineering, reviews of design manual and all other items of Scope of Work till issue of completion certificate.	15%
3.	Proof checking of Detailed Structural Design (civil) of Viaduct and other related permanent or temporary structures of 'Design & Build Contracts' including all related submissions, value Engineering, reviews and all other items of Scope of Work till issue of completion certificate.	20%
4.	Detailed Architectural planning and design of all elevated/at grade stations, including traffic integration of stations /Interchange stations (if any)as per defined scope of work including all related submissions, value Engineering, reviews and all other items of Scope of Work till issue of completion certificate.	25%
5.	Designing of Building Services	25%
	(a) General review of alignment and preparations of detailed designs, conceptual plans, specifications, schedule of materials/BOQ (E&M, BMS, SCADA (automation system) Fire Fighting/Detection etc.) and all required drawings as defined in scope of work for	65% of item (5) against designing of Building Services for elevated/at grade stations as per schedule of payment

**Contract NGNDD01: Engagement of Detailed Design Consultant (DDC) for Civil, Architectural and E & M Works of Noida-Greater Noida Metro Corridor from Sector – 51 Noida to Greater Noida Sector – 2, Consisting of 9.605 Km Viaduct including 5 Elevated Stations**

	elevated/at grade stations.	
	(b) General review of alignment and preparations of detailed designs, conceptual plans, specifications, schedule of materials/BOQ (E&M, Fire Fighting/ Detection etc.) and all required drawings as defined in scope of work for viaduct and other buildings.	10% of item (5) against viaduct as per schedule of payment
	(c) Performing SES and CFD analysis as per the scope of work.	25% of item (5) against for the SES and CFD analysis as per Schedule of Payment
	<b>The Lump Sum Total</b> ( Sum of 1 to 5 above)	<b>100%</b>

- Payment will be made as per payment schedules as given in Financial Package.
- If our tender is accepted we will provide Performance Guarantee as stipulated in the tender documents.
- Unless and until a formal Agreement is prepared and executed this tender together with your Letter of Acceptance thereof shall form a binding Contract between us. We understand that you are not bound to accept the lowest or any tender you may receive and that tender may be accepted in whole or in part(s) as given under Schedule A.

Yours faithfully,

Signature of Authorized Signatory  
on behalf of tenderer (With Company Seal)

Full Name \_\_\_\_\_

Designation \_\_\_\_\_

Address \_\_\_\_\_

Note: If the Tenderer consists of more than one entity, they should also appear as signatories or they submit the POA in favour of authorized signatory on behalf of tenderer.

**SCHEDULE OF PAYMENTS**

NMRC shall make payments to the DDC based on the Stage Payments for each item of Schedule A, as approved and accepted by the Employer. The stage payments will be made on completion of the corresponding activities, after deducting Liquidated Damages, if any. For payment purpose the total lump sum price will be divided as indicated in respective tables below:-

**Payment Schedule of Item No. 1 of Schedule A**

<b>Activity to be Completed</b>	<b>Stage Payment in percentage of lump sum cost under Item No. 1(a) of Schedule A</b>	<b>Cumulative Payment</b>	<b>Progress Schedule (Weeks from Date of LOA)</b>	<b>Liquidated Damage to be imposed if yes</b>
1. (A) Delivery of Tender Drawings, BOQ, Cost Estimate and Specifications of Civil works contract. Review of Alignment and suggesting the best feasible and cost effective alignment for construction. (B) Approval of 3(A) above by NMRC	40%  20%	40%  60%	4  –	Yes  –
2. (A) Presentation of overall conceptual scheme of civil and architectural works in elevated/at grade stations, including interchange stations(if any) and complete programme schedule for drawing submission. (B) Approval of 1(A) above by NMRC	8%  4%	68%  72%	8  –	–  –
3. (A) Presentation of Design Alternatives and complete programme schedule. (B) Approval of 2(A) above by NMRC	4%  2%	76%  78%	10  –	Yes  –
4. (A) Submission of documents, model, etc. for obtaining approval from local authorities. (B) Approval of 4(A) above by local authority	15%  7%	93%  100%	20  –	Yes  –

**Payment shall be made on Pro-rata basis.**

Signature of Authorized Signatory on behalf of tenderer (With Company Seal)

**Payment Schedule of Item No. 2 of Schedule A**

<b>Activity to be completed</b>	<b>Stage Payment in percentage of lump sum cost under Item No. 2 of Schedule A</b>	<b>Cumulative Payment</b>	<b>Progress Schedule (Weeks from Date of LOA)</b>	<b>Liquidated Damage to be imposed if yes</b>
1. (A) Submission of General Arrangement Drawings for elevated/at grade stations.	20%	20%	20	Yes
(B) Approval of 1(A) above by NMRC  <i><b>(Payment of 1A &amp; 1B will be made on pro-rata basis @ per station)</b></i>	10%	30%	–	–
2. (A) Proof Checking of Structural design and drawings for elevated stations.	40%	70%	25	Yes
(B) Approval of 2(A) above by NMRC  <i><b>(Payment of 1A &amp; 1B will be made on pro-rata basis @ per station)</b></i>	10%	80%	–	–
3. Interface & Support Activities civil during construction phase (to be paid annually @ 5% per year) including review and changes as per scope of work	12%	92%	-	-
4. Preparation & Certification of “As-Built” drawings/deemed “As-Built” drawings	8%	100%	-	-

**Payment shall be made on Pro-rata basis.**

Signature of Authorized Signatory on behalf of tenderer (With Company Seal)

**Payment Schedule of Item No. 3 of Schedule A**

<b>Activity to be completed</b>	<b>Stage Payment in percentage of lump sum cost under Item No. 3 of Schedule A</b>	<b>Cumulative Payment</b>	<b>Progress Schedule (Weeks from Date of receiving Design)</b>	<b>Liquidated Damage to be imposed if yes</b>
1. (A) Proof checking of structural designs and scheme of construction suggested by the contractor and NMRC for Viaduct (substructure and superstructure).	60%	60%	2	Yes
(B) Approval of 1(A) above by NMRC	25%	85%	-	-
2. Interface & Support Activities civil during construction phase (to be paid annually @ 5% per year) including review and changes as per scope of work	10%	95%	-	-
3 Preparation & Certification of "As-Built" drawings/deemed "As-Built" drawings	5%	100%	-	-

**Payment shall be made on Pro-rata basis.**

Signature of Authorized Signatory on behalf of tenderer (With Company Seal)

**Payment Schedule of Item No. 4 of Schedule A**

<b>Activity to be Completed</b>	<b>Stage Payment in percentage of lump sum cost under Item No. 4 of Schedule A</b>	<b>Cumulative Payment</b>	<b>Progress Schedule (Weeks from Date of Letter of Acceptance)</b>	<b>Liquidated Damage to be imposed if yes</b>
1. (A) Detailed Architectural design of elevated Stations and Submission of Detailed Architectural General Arrangement Drawings for elevated stations.  (B) Approval of 1(A) above by NMRC  <i><b>(Payment of 1A &amp; 1B will be made on pro rata basis @ per station)</b></i>	50%	50%	15	Yes
	22%	72%	-	-
2. (A) Submission of Traffic Integration scheme of new stations with existing stations in operation or other mode mode of transport.  (B) Approval of 2(A) above by NMRC	8%	80%	15	Yes
	4%	84%	-	-
3. Interface & Support Activities civil during construction phase (to be paid annually) including review and changes as per scope of work (@ 2.5% per year).	10%	94%	-	-
4 Preparation & Certification of "As-Built" drawings/deemed "As-Built" drawings	6%	100%	-	-

**Payment shall be made on Pro-rata basis.**

Signature of Authorized Signatory on behalf of tenderer (With Company Seal)



**Item 5 (a) SCHEDULE OF PAYMENTS**

**(65% of item No. 5)**

S.No	Activity Completed	Stage Payment as Percentage of Accepted Price	Cumulative Payment	Progress Schedule (Weeks from Issue of Letter of Acceptance)	Liquidated Damage to be imposed if yes
01	Presentation of Overall Conceptual scheme and Delivery of Preliminary Design Submission including Load Schedules etc.	15%	15%	15	Yes
02	Approval of Design Submission by NMRC	5%	20%	18	-
03	Final Design Submission	10 %	30 %	20	-
04	Submission of Documents, Models etc to local authorities such as DFS etc, for their approval	5%	35%	18	-
05	Approval of Final Design by NMRC	5 %	40 %	24	-
06	Delivery of Tender Drawings, BOQ and Cost Estimates.	10%	50%	36	Yes
07	Issue of Construction reference Drawings (CRD)	7%	57%	44	-
08	Issue of No Objection Certificate to CRD by NMRC	3%	60%	46	-
09	Issue of Combined Services Drawings (CSD)	7%	67%	48	-
10	Issue of No Objection Certificate to CSD by NMRC	3%	70%	50	-
11	Issue of Structural Electrical and Mechanical (SEM) and Structural Opening Drawings including wall cutout drawings.	7%	77%	60	Yes
12	Issue of No Objection Certificate to SEM, SOD and Wall cut out drawings by NMRC	3%	80%	64	-
13	Interaction for explanation of Design basis, codes followed, reports & calculations performed using presentations, handouts, site visits & hands on experience on software utilization for NMRC personnel.	5%	85%	-	-
14	Construction Support Activities including attending various Site meetings, coordination, review of shop/working drawings of the contractor's and modifications to CRD/ SEM/ CSD and other drawings as required	10%	95%	-	-
15	Checking of As-built drawings prepared by the Contractor and Submission of Final Revisions of All Documents as "Originals" and Design Report	5%	100%	-	-

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Signature of Authorized Signatory on behalf of tenderer (With Company Seal)

**Item 5 (b) SCHEDULE OF PAYMENTS (15% of item No. 5)**

S.No	Activity Completed	Stage Payment as Percentage of Accepted Price	Cumulative Payment	Progress Schedule (Weeks from Issue of Letter of Acceptance)	Liquidated Damage to be imposed if yes
01	Presentation of Overall Conceptual scheme and Delivery of Preliminary Design Submission including Load Schedules etc.	15%	15%	15	Yes
02	Approval of Design Submission by NMRC	5%	20%	18	-
03	Final Design Submission	10 %	30 %	20	-
04	Submission of Documents, Models etc to local authorities such as DFS etc, for their approval	5%	35%	18	-
05	Approval of Final Design by NMRC	5 %	40 %	24	-
06	Delivery of Tender Drawings, BOQ and Cost Estimates.	10%	50%	36	Yes
07	Issue of Construction reference Drawings (CRD)	7%	57%	44	-
08	Issue of No Objection Certificate to CRD by NMRC	3%	60%	46	-
09	Issue of Combined Services Drawings (CSD)	7%	67%	48	-
10	Issue of No Objection Certificate to CSD by NMRC	3%	70%	50	-
11	Issue of Structural Electrical and Mechanical (SEM) and Structural Opening Drawings including wall cutout drawings.	7%	77%	60	Yes
12	Issue of No Objection Certificate to SEM, SOD and Wall cut out drawings by NMRC	3%	80%	64	-
13	Interaction for explanation of Design basis, codes followed, reports & calculations performed using presentations, handouts, site visits & hands on experience on software utilization for NMRC personnel.	5%	85%	-	-
14	Construction Support Activities including attending various Site meetings, coordination, review of shop/working drawings of the contractor's and modifications to CRD/ SEM/ CSD and other drawings as required	10%	95%	-	-
15	Checking of As-built drawings prepared by the Contractor and Submission of Final Revisions of All Documents as "Originals" and Design Report	5%	100%	-	-

Signature of Authorized Signatory on behalf of tenderer (With Company Seal)

**Item 5 (c) SCHEDULE OF PAYMENTS (SES and CFD Analysis) (20% of item No. 5)**

<b>S. No</b>	<b>Activity Completed</b>	<b>Stage Payment of Lump Sum (% age of total Price)</b>	<b>Cumulative Payment of Lump Sum (% age of total Price)</b>	<b>Progress Schedule (Weeks from Issue of Letter of Acceptance)</b>	<b>Liquidated Damage to be imposed if yes</b>
01	Submission of Final Design Data	25%	25%	10	Yes
02	Submission of Draft Final SES Report	25%	50%	20	
03	Submission of Draft Final CFD Report	30%	80%	20	Yes
04	Issue of Final SES Report	5%	85%	28	-
05	Issue of Final CFD Report	5%	90%	24	-
06	Approval of Final SES & CFD Report	10%	100%	36	-

Signature of Authorized Signatory on behalf of tenderer (With Company Seal)

**ANNEXURE - 8A**

**PROFORMA FOR STATEMENT OF MINOR DEVIATIONS**

(Refer Clause 2.2.1 and 3.2 of ITT)

1. The following are the particulars of minor deviations from the requirements of the Tender Document:

Sr. No	Clause	Deviations	Price adjustment for each deviation/s

**Note:**

1. The Tenderer shall indicate price adjustment against each deviation in Annexure 8A of BOQ. This price is the price which the tenderer shall reduced from this tender price if deviation(s) is/are accepted by the Employer.
2. Where there is no deviation, the statement should be returned duly signed with an endorsement indicating 'No Deviations'. In case, Performa of deviations is not submitted or submitted as blank, it will be construed that the tenderer has not proposed any deviations from tender documents.
3. If the tenderer proposes deviations in tender documents, and/or any other terms and conditions of the tender, other than in this Annexure, it will have no effect.

**Signature of authorized signatory  
On behalf of Tenderer**