

NOIDA METRO RAIL CORPORATION

Pre-Bid Clarification

Dated- 16/10/2020

Sub:- Contract NGNC-01: Part Design and Construction of Elevated Viaduct and 5 elevated stations viz NOIDA SEC -122, NOIDA SEC-123, GR. NOIDA SEC-4, ECOTECH-12, GR. NOIDA SEC-2, (excluding Architectural finishing Works and PEB works of stations) from Chainage 0.00m to Chainage 9605m of Noida - Greater Noida Metro Rail Project.

Ref: - E-Tender No NMRC/Civil/NGNC/123R/2020

Pre -Bid Meeting: -09/10/2020, Noida Metro Rail Corporation (NMRC) Limited, Ganga Shopping Complex, Sector 29, Noida-201301

S.No	Query Raised By	Reference w.r.t RFP	Clarification Requested	Existing provision within RFP	Clarification/ Amendment by NMRC*
1	Sam (India) Built well Pvt. Ltd.	<u>Vol.3/Employers Requirements/ Appeendix2A/ Page -67</u>	To execute the Project timely, Bidder proposed to establish its Camp & Project office at near to the site, So the travel time can be reduces, For that we (Bidder) expect from the Employer that they should have provided the land nearby to the site if available to set up the Project office (Employer & Contractor Both), accommodation for bidder Labour and staff separately.	<u>Vol.3/Employers Requirements/ Appeendix2A/ Page -67</u> Works Area The employer will provide the work areas of Approx. 65000 sq.m. within 10 Km radius of work site as per availability for construction of precast elements of viaduct & stations & stacking Depot. In case the land at above-mentioned locations is not available, land at alternate location/locations will be provided within 25 km from site. All the work areas (land for Batching Plant & site office) are to be handed over back to the Employer within 2 months from the date of issue of Take over Certificate.	No change. As per Tender conditions.

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2	Sam (India) Built well Pvt. Ltd.	Vol.7/Geotechnical Report/ cl.10.4/ Page No 24 Vol.4/ODS & OCS/ cl.8.1.3/page146	As per Geotechnical Report, Page No 24, Its mentioned that, Ordinary Portland Cement Shall be used, Clause mentioned below, Since all the locations incorporated in this report does not consist of harmful chemicals, ordinary Portland cement may be used for all civil constructions. However in Design document ODSC page no 146 , Its mentioned that , In Clause 8.1.3 Materials , Cement, If the soil and groundwater conditions are found satisfactory on chemical testing in labs, Portland Slag Cement conforming to IS 455 shall be used in all foundations (including pile cap, open foundations, etc). We hereby request the client to please confirm which type of Cement we (Bidder) shall consider, as it's very important in our working calculations.	<u>Vol.7/Geotechnical Report/cl.10.4 /Page No 24</u> Since all the locations incorporated in this report does not consist of harmful chemicals, ordinary Portland cement may be used for all civil constructions. <u>Vol.4/ODS & OCS/cl.8.1.3/page146</u> Cement: The cement to be used for piling and all foundation work shall be conforming to following Indian Standard Specifications: If the soil and ground water conditions are found satisfactory on chemical testing in labs, Portland Slag Cement conforming to IS 455 shall be used in all foundations (including pile cap, open foundations, etc) + Cement shall be free from lumps and caking.	No change . As per Tender conditions(ODS & OCS).
3	Sam (India) Built well Pvt. Ltd	Vol.3/Employer Requirement's /cl.2.1.B.1/Page 22	As per Employer Requirement's point 2.1.1.B.1, it states that (ii) Design and construction of all track supporting structural works of station area from substructure to super structure (pile, pile cap, pier, pier cap, U girder/track slab etc) considering the load requirements of other station floors on central piers/track supporting piers. (iii) Structural Design of all station building, additional floors within station premises, Ground, Concourse, Platform, Property development, entry/exit structures, corridor, ancillary building i.e. Underground/surface water tank, Pump room & DG room, Lift shafts, escalator pits,	<u>Vol.3/Employer Requirement's/cl.2.1.B.1/ Page 22</u> (ii) Design and construction of all track supporting structural works of station area from substructure to super structure (pile, pile cap, pier, pier cap, U girder/track slab etc) considering the load requirements of other station floors on central piers/track supporting piers. (iii) Structural Design of all station building, additional floors within station premises, Ground, Concourse, Platform, Property development, entry/exit structures, corridor, ancillary building i.e. Underground/surface	No change. As per Tender conditions.

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			<p>staircases as shown in tender drawings.</p> <p>(iv) Design of Station building and PD areas of station structure including foundations/substructures, all floors of station building, connecting passage, entry/exit structures, staircases, Ancillary building, lift shafts, escalator pits, concourse, platform and floor above platform etc. The design of PD area is based on maximum FAR permissible in the station locations, by the local authorities.</p> <p>As Per Bidder understanding, we understand from the above clause that Structure work of Concourse slab, platform slab and for Additional floors or any structural work other than Viaduct (Track Supporting structural work) will be paid separately under Schedule- B & C of BOQ.</p>	<p>water tank, Pump room & DG room, Lift shafts, escalator pits, staircases as shown in tender drawings.</p> <p>(iv) Design of Station building and PD areas of station structure including foundations/substructures, all floors of station building, connecting passage, entry/exit structures, staircases, Ancillary building, lift shafts, escalator pits, concourse, platform and floor above platform etc. The design of PD area is based on maximum FAR permissible in the station locations, by the local authorities.</p>	
4	Sam (India) Built well Pvt. Ltd	<p>Vol.3/ Employer Requirement's /cl. 2.1. A.1 /Page 20</p> <p>Vol.3/ Employer Requirement's /cl. 2.1. A.3 /Page 20</p>	<p>Bidder hereby requests the client to please provide the detail of major utilities passing through the viaduct or station area, also explain who will be responsible for taking permission or diverging the HT lines (High tension electric lines) or major utility, if there is any.</p> <p>As, it's mentioned in Volume 3 Employer's Requirement, Point 2.1.A.1 & 2.1.A.3,</p> <p>2.1.A.1 There is possibility of some of the items not getting mentioned in the above list of works of viaduct. Contractors are requested to go through the tender drawings also in</p>	<p><u>Vol.3/ Employer Requirement's /cl. 2.1. A.1 / Page 20</u></p> <p>2.1. A.1 There is possibility of some of the items not getting mentioned in the above list of works of viaduct. Contractors are requested to go through the tender drawings also in details as the works listed in 2.1.A above as well as indicated in the tender drawings would be considered inclusive in the scope of work under lump sum quoted price. Employer decision shall be final in this regard in case of dispute. Some of the major utilities cannot be diverted. Contractor shall take into</p>	<p>No change.</p> <p>As per Tender conditions</p>

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			<p>details as the works listed in 2.1.A above as well as indicated in the tender drawings would be considered inclusive in the scope of work under lump sum quoted price. Employer decision shall be final in this regard in case of dispute. Some of the major utilities cannot be diverted. Contractor shall take into consideration the existence of these utilities and design the foundations at these locations accordingly, if required, the pile cap top level shall be fixed at the bottom of the utilities without any extra cost. This is the part of Lump sum quoted price. No payment shall however be made for supporting the utilities during course of work.</p> <p>2.1.A.3 - Though Alignment plans (both vertical and horizontal) are provided by the Employer to the Contractor. Contractor would however design the span configuration (only) based upon his proposal subject to obligatory requirements. Utility identification at all the foundation locations will be done by the Contractor before starting piling/excavation and in case utility(s) is encountered or obligatory requirements of Local Authorities are to be met out, the Contractor would modify the span configuration at such locations to save the utility(s) or to</p>	<p>consideration the existence of these utilities and design the foundations at these locations accordingly, if required, the pile cap top level shall be fixed at the bottom of the utilities without any extra cost. This is the part of Lump sum quoted price. No payment shall however be made for supporting the utilities during course of work.</p> <p><u>Vol.3/ Employer Requirement's /cl. 2.1. A.3 /Page 20</u></p> <p>2.1.A.3 The work content against the lump sum component of the work shall also include but not limited to the following:</p> <p>(i) Though Alignment plans (both vertical and horizontal) are provided by the Employer to the Contractor. Contractor would however design the span configuration (only) based upon his proposal subject to obligatory requirements. Utility identification at all the foundation locations will be done by the Contractor before starting piling/excavation and in case utility(s) is encountered or obligatory requirements of Local Authorities are to be met out, the Contractor would modify the span configuration at such locations to save the utility(s) or to meet out the obligatory requirements within the accepted price. The shifting of the utility(ies) would be</p>	

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			<p>meet out the obligatory requirements within the accepted price. The shifting of the utility(ies) would be undertaken only in exceptional circumstances where in the opinion of the Engineer no other option is available. Cost of such utility shifting except RCC drain will be paid separately under relevant item of BOQ. No claim as regard to delay on account of execution of utility diversion will be entertained. All temporary diversion of any utilities done to facilitate the construction activity shall also be the part of the lump sum quoted price. RCC drain will be encountered at most of the places which will be restored back with similar specification after casting of pile cap & cost of the same is included in lump sum quoted price. No payment shall however be made for supporting the utilities, carriage of excavated earth during execution of work</p>	<p>undertaken only in exceptional circumstances where in the opinion of the Engineer no other option is available. Cost of such utility shifting except RCC drain will be paid separately under relevant item of BOQ. No claim as regard to delay on account of execution of utility diversion will be entertained. All temporary diversion of any utilities done to facilitate the construction activity shall also be the part of the lump sum quoted price. RCC drain will be encountered at most of the places which will be restored back with similar specification after casting of pile cap & cost of the same is included in lump sum quoted price. No payment shall however be made for supporting the utilities, carriage of excavated earth during execution of work</p>	

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5	Sam (India) Built well Pvt. Ltd	Vol.3/Employer's Requirement/cl.2.1.B.1,(xiv), (xvi)/Page-23 Vol.3/Employer's Requirement/ cl.2.1.B.5/Page-24,25	(xiv) Design & Construction of Man holes, Sumps, drain, buttle flanges, sleeves as required for automation based water supply scheme in Ancillary Building for E&M works & finishing works in coordination with E&M & finishing contractors. (xvi) Foundations for the system equipment (water supply pumps, fire fighting pumps, DG, Panels) in co-ordination with various service/ system contractors/ finishing contractors engaged by NMRC With the above clause Bidder understands that the material of any kind of structural support inserted in foundation like Anchor bolts, Steel plate etc. shall be provided by either the Employer or Concern E & M Contractor. Bidder hereby also likes to mention that E&M contractor works should be awarded within construction period so they can verify the same and confirm the size and position of structural items with in construction period.	<u>Vol.3/Employer's Requirement/cl.2.1.B.1/ Page-23</u> (xiv) Design & Construction of Man holes, Sumps, drain, buttle flanges, sleeves as required for automation based water supply scheme in Ancillary Building for E&M works & finishing works in coordination with E&M & finishing contractors. (xvi) Foundations for the system equipment (water supply pumps, firefighting pumps, DG, Panels) in co-ordination with various service/ system contractors/ finishing contractors engaged by NMRC. <u>Vol.3/Employer's Requirement/cl.2.1.B.5/ Page-24,25</u> Inserts/bolts/Supports/Hangers for system contractors & finishing contractor. All system contractor's like OHE, Signalling etc. Structures are excluded from the scope of the work, but civil works required for fixing the structures such as strengthening of structures and providing inserts, bolts, supports, hangers are included. These shall be finalized and provided in co-ordination with the system Contractor & finishing contractor and the Engineer. The necessary coordination with system contractors, finishing contractor and engineer shall form a part of the work.	No change. As per Tender conditions.

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6	Sam (India) Built well Pvt. Ltd		Bidder also understand that we only need to provide the coordination services to the E & M contractor and other contractors till the completion of this contract, If after the completion we are required to provide the coordination services to the E & M works or other contractor the same cost shall be paid separately for such services.		No change. As per Tender conditions.
7	Sam (India) Built well Pvt. Ltd	Vol.3 Employer's Requirement/ cl. 2.2.1.3/Page-27 Vol.3 Employer's Requirement/ cl. 2.2.1.3/Page-27	<p>2.2.1.3 Interface with Elevator/escalator contractor</p> <p>(i) Providing Shaft structure</p> <p>(ii) Providing lifting beams at the top of shafts and sumps in pits</p> <p>(iii) Providing Head room structure</p> <p>(iv) Providing lifting hooks at the top of lift shafts and escalator as required.</p> <p>(v) Providing Intermediate support structures for escalators</p> <p>2.2.1.4 Interface with Traction Power Supply Contractor Civil Contractor shall construct appropriate passages/ trenches, ducts, cable shaft and also keep provision of crossing of various cables in the station along with walls, central column, under the platform in interface with Power Supply Contractor.</p> <p>(i) Civil Contractor shall coordinate with Power Supply Contractor in order to maintain specific Static and Dynamic clearances.</p> <p>(ii) Providing earthing arrangements in viaduct / U Girders, I-Girder, Pier, Pier caps,</p>	<p><u>Vol.3/Employer's Requirement/cl. 2.2.1.3/ Page-27</u></p> <p>2.2.1.3 Interface with Elevator/escalator contractor</p> <p>(i) Providing Shaft structure</p> <p>(ii) Providing lifting beams at the top of shafts and sumps in pits</p> <p>(iii) Providing Head room structure</p> <p>(iv) Providing lifting hooks at the top of lift shafts and escalator as required.</p> <p>(v) Providing Intermediate support structures for escalators</p> <p><u>Vol.3 Employer's Requirement/Cl. 2.2.1.4/Page-27</u></p> <p>2.2.1.4 Interface with Traction Power Supply Contractor Civil Contractor shall construct appropriate passages/ trenches, ducts, cable shaft and also keep provision of crossing of various cables in the station along with walls,</p>	<p>No change. As per Tender conditions.</p> <p>Both providing and placing in lumpsum scope</p>

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			<p>railing, Pile, Pile cap etc.</p> <p>(iii) Providing Anchors/ U shape bolts for OHE mast on viaduct.</p> <p>(iv) Cable support arrangement for carrying power and control cables on viaduct.</p> <p>(v) Providing opening in viaduct structure for passing cables etc.</p> <p>(vi) Connection of BEC, OPC, ITL etc as necessary to earth plate on parapet, girder, segment, piers etc to hand rail for earthing.</p> <p>(vii) Provision of canopy earthing.</p> <p>(viii) Providing OHE mast/anchors on external parapet at stations.</p> <p>(ix) Providing electrical and mechanical clearances for OHE.</p> <p>(x) Providing earthing connections.</p> <p>(xi) Auxiliary Substations/ASS Rooms.</p> <p>(xii) Providing of opening/ Cut-out in Platform slabs etc for cable entry and cable exit.</p> <p>Bidder hereby requests the client to please clarify the above works scope whether providing & placing both in the lump sum scope or only placing & coordination. Kindly confirm.</p>	<p>central column, under the platform in interface with Power Supply Contractor.</p> <p>(i) Civil Contractor shall coordinate with Power Supply Contractor in order to maintain specific Static and Dynamic clearances.</p> <p>(ii) Providing earthing arrangements in viaduct / U Girders, I-Girder, Pier, Pier caps, railing, Pile, Pile cap etc.</p> <p>(iii) Providing Anchors/ U shape bolts for OHE mast on viaduct.</p> <p>(iv) Cable support arrangement for carrying power and control cables on viaduct.</p> <p>(v) Providing opening in viaduct structure for passing cables etc.</p> <p>(vi) Connection of BEC, OPC, ITL etc as necessary to earth plate on parapet, girder, segment, piers etc to hand rail for earthing.</p> <p>(vii) Provision of canopy earthing.</p> <p>(viii) Providing OHE mast/anchors on external parapet at stations.</p> <p>(ix) Providing electrical and mechanical clearances for OHE.</p> <p>(x) Providing earthing connections.</p> <p>(xi) Auxiliary Substations/ASS Rooms.</p>	

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				(xii) Providing of opening/ Cut-out in Platform slabs etc for cable entry and cable exit.	
8	Sam (India) Built well Pvt. Ltd	Vol.3/ Employer's Requirement/ cl. 2.10 (iv)/Page-30	Masonry works with Autoclaved aerated cement (AAC) blocks at various level in the structures. The scaffolding/ other arrangements for masonry works, any other works etc. in station, entry/exit structures, corridors, ancillary buildings etc. are included in the lump sum schedule-A of BOQ. Bidder hereby request the client to please clarify the scope of work as only design part is need to be considered or masonry construction work also included in the scope of Lump Sum Schedule – A of BOQ.	<u>Vol.3/ Employer's Requirement/cl. 2.10 (iv)/Page-30</u> Masonry works with Autoclaved aerated cement (AAC) blocks at various level in the structures. The scaffolding/ other arrangements for masonry works, any other works etc. in station, entry/exit structures, corridors, ancillary buildings etc. are included in the lump sum schedule-A of BOQ.	No change. As per Tender conditions.
9	Sam (India) Built well Pvt. Ltd	Vol.3/ Employer's Requirement/ cl.5(iv)/Page-32 Vol 3/ Employer's Requirement/ 2.1.A(i),(xxv)/Page-17, Page-18	As Per Volume 3 Employer's Requirement, Point 5. Clearances, it's mentioned that, Construction limits: (a) The limits of land for the Works are shown in the Worksite Drawings. The Contractor shall design the Works to be contained totally within these limits, respecting the regulations concerning construction and property boundaries of the local authorities such as Noida / Greater Noida Authorities, Irrigation Department, Forest Department etc. In the event that the Contractor, having used its best endeavours, is unable to design the permanent works and utilities to be contained totally within these limits, then the Employer will obtain the necessary additional land or the Contractor may be	<u>Vol.3/Employer's Requirement/ cl.5(iv)/ Page-32</u> Construction limits: (a) The limits of land for the Works are shown on the Worksite Drawings. The Contractor shall design the Works to be contained totally within these limits, respecting the regulations concerning construction and property boundaries of the local authorities such as Noida / Greater Noida Authorities, Irrigation Department, Forest Department etc. In the event that the Contractor, having used its best endeavours, is unable to design the permanent works and utilities to be	No change. As per Tender conditions.

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			required to redesign the structure as instructed by Engineer Bidder hereby requests the client to please clarify the status for permanent structures, so that accordingly time frame and cost can be calculated.	contained totally within these limits, then the Employer will obtain the necessary additional land or the Contractor may be required to redesign the structure as instructed by Engineer <u>Vol.3/Employer's Requirement/ 2.1.A(i), (xxv)/Page-17, Page-18</u> 2.1.A(i) Detailed survey of alignment for execution of work 2.1.A(xxv) Detailed survey of the alignment for the viaduct, soil investigation, fixing span configuration avoiding shifting of utilities.	
10	Sam (India) Built well Pvt. Ltd	Vol 3/ Employer's Requirement/ cl.8(vii)/Operational Requirement/page-33	As Per Volume 3 Employer's Requirement, Point7 DURABILITY AND MAINTENANCE, It's mentioned that (i) The Permanent Works shall be designed and constructed such that, if maintained where length of the drainage is exceptionally long, the pumping system may be considered subject to approval of Employer. Installation of pumps is not in the scope of this contract. Bidder understands that if such conditions occurred the cost incurred shall be paid separately.	<u>Vol 3/ Employer's Requirement/ cl.8 (vii) / Operational Requirement/page-33</u> OPERATIONAL REQUIREMENTS (vii) Escalator pits shall be designed to enable drainage by gravity flow system. However, where length of the drainage is exceptionally long, the pumping system may be considered subject to approval of Employer. Installation of pumps is not in the scope of this contract.	No change. As per Tender conditions.
11	Sam (India) Built well Pvt. Ltd	Vol.3/Employer's requirement/ cl.2.1.A.3(xiii)/Page-21 Vol.5/Tender Drawings	Bidder hereby requests the client to please clear the doubt of bidder for temporary Barricading height requirement around casting yard and station buildings as in tender documents it's mentioned in Employer's requirement volume 3,	<u>Vol.3/Employer's requirement/ cl.2.1.A.3 (xiii) /Page-21</u> (xiii)The contractor shall have to provide barricading board as per the specification as provided in tender drawing at all the	No change. As per Tender conditions.

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			<p>NOTES (VIADUCT & STATIONS):- The contractor shall have to provide barricading board as per the specification as provided in tender drawing at all the land to be used for Construction Depot, store, site office & casting yard (And in Tender Drawings the height of barricading is 1 meter & 2 meter only). So as per Bidder understanding we understand that only one meter & two meter barricading is required only. But, As per NGT norms, it's necessary to provide 1/3rd of building height or 10 meter high temporary barricading around the construction site. Bidder hereby requests the client to please provide the satisfactory reply for the above doubt so that the same can be considered for costing.</p>	<p>land to be used for Construction Depot, store, site office & casting yard. The total working space within the barricading along the viaduct shall not be more than 8mt. Requirements of Safety, Health & Environment as specified in condition of contract on SHE.</p> <p>Vol.5/Tender Drawings</p>	
12	Sam (India) Built well Pvt. Ltd		<p>Bidder hereby also like to mentioned and request the client to consider to revise the estimated cost of tender amount as it is on very much lower side, It will kill the time to take necessary approvals / clearances from authorities before awarding, as the estimated cost of tender is approx. 30 – 35% below then the ongoing construction projects of DMRC in NCR, Hence bidder request the client to consider on the same and revise the estimated cost to avoid further delay.</p>		<p>No change. As per Tender conditions.</p>

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13	Sam (India) Built well Pvt. Ltd	Vol.3/Employer's requirement/ cl.2.1.A(v),(ix)/Page-17	Please clarify is it mandatory to follow the obligatory span arrangements and type & pier positions as per tender drawings Revised R1 or Bidder can change as per the actual site conditions.	<p><u>Vol.3/Employer's requirement/ cl.2.1.A(v),(ix)/ Page-17</u></p> <p>2.1.A (v) Design, construction & erection of special spans over Hindon river (if required). Type of bridge and method of construction shall be approved by NMRC prior to execution of work. This includes all temporary works such as shoring, staging, any other related works. Apart from special spans indicated in GAD, there may be requirement of additional special spans (i.e. span more than 37 m) as per the site conditions/ NMRC or civic requirement, which is also included in lum-sum price.</p> <p>2.1.A(ix) Standard spans for viaduct shall be 27 m Twin U-Girder Spans except obligatory spans/ special spans shown in GAD, However, in case of sharper radius, the span configuration shall be as per tender drawing and wide U-Girder may have to be used without any extra cost. The Span arrangements of Viaduct & viaducts in station have to be decided in such a way that pier locations do not disturb the road geometry, ROW, clear carriage width of roads, flow of nallah, utilities and traffic flow. The max. Cantilever permissible is 2.5m.</p>	No change. As per Tender conditions.
14	Sam (India) Built well Pvt. Ltd	Vol.5/Tender Drawings	Tender Drawing GAD of pier arrangement has been provided and it is design and construction contract . It is requested to	Vol..5/Tender Drawings	No change. As per Tender conditions

S.No	Query Raised By	Reference w.r.t RFP	Clarification Requested	Existing provision within RFP	Clarification/ Amendment by NMRC*
			allow that in tender stage contractors can modify minor alignment stage and accordingly portal arrangement with modified span length.		
15	SADBHAV ENGINEERING LIMITED	Vol.1/NIT/cl.1.1.3.1(v)a,2.1(e)/ Page-4, Page-13	The clause 1.1.3.1 v(a) of NIT including appendix 19 of FOT and clause 2.1 (e) of NIT under General Instructions are both conveying different stances on this issue of eligibility of bidder. It is requested to clarify which clause is taking precedence over the clause. If clause 2.1(e) of general instructions is taking precedence then please amend appendix 19 of FOT accordingly.	<p><u>Vol.1/NIT/cl.1.1.3.1(v)a/Page-4</u></p> <p>1.1.3.1 v(a) NMRC/ Any Other Metro Organisation (100% owned by Govt.)/ Ministry of Housing & Urban Affairs/ Order of Ministry of Commerce, applicable for all Ministries must not have banned business with the tenderer as on the date of tender submission. . The tenderer should submit undertaking to this effect in Appendix-19 of Form of Tender.</p> <p><u>Vol.1/NIT/cl. 2.1(e)/Page-13</u></p> <p>2.1 (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.</p>	No change. As per Tender conditions.
16	DILIP BUILDCON LIMITED	Vol.1/ NIT, cl. 1.1.2 key details/ Page -2	We assume that the last date 29.09.2020 given for submission of Tender Security is a typographical error. Please modify the date accordingly	<p><u>Vol.1/ NIT, cl. 1.1.2 key details/ Page -2</u></p> <p>Tender Security (in original) as per clause C18 of ITT shall be accepted only up to 29.09.2020 (latest by 15:00 hrs) and should be valid up to 31/04/2021 in the office of ED/NMRC at the address mentioned herein after.</p>	<p>Modified clause uploaded as Addendum, Page No.-2R</p> <p>Tender Security (in original) as per clause C18 of ITT shall be accepted only up to 29.10.2020 (latest by 15:00 hrs) and should be valid up to 31/04/2021 in the office of ED/NMRC at the address mentioned herein after.</p>

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17	DILIP BUILDCON LIMITED	Vol.3/Employer's requirement/ cl.2 / Page-16	Length given in vol.3, is not matching with volume-5, "GENERAL ALIGNMENT DRAWING", which is from 0+000 to 10+116.130, also refer clause- 2.1.A.1, page-20 which clearly state that tender drawings are also part of lump sum contract. Kindly clarify total length of viaduct and stations portion to be developed?	<u>Vol.3/Employer's requirement/cl.2/Page-16</u> Cl.2. SCOPE OF WORKS GENERAL Contract DC-01: Part Design and Construction of Elevated Viaduct and 5 elevated stations viz NOIDA SEC -122, NOIDA SEC-123, GR.NOIDA SEC-4, ECOTECH-12,GR.NOIDA SEC-2 , (excluding Architectural finishing Works and PEB works of stations) from Chainage 0.00 m to Chainage 9605 m of Noida -Greater Noida Metro Rail Project. The total length of viaduct and stations portion is 9605.00 mt.	No change. As per Tender conditions.
18	DILIP BUILDCON LIMITED	General	We request the Authority to please provide the KMZ file of the project alignment.	Vol.5/Tender Drawings	No change. As per Tender conditions.
19	DILIP BUILDCON LIMITED	Vol.1/NIT/cl.1.1.2 key details/ Page No.3	We Request the Authority to kindly extend the bid submission date by at least 20 days	<u>Vol.1/NIT/cl.1.1.2 key details/ Page No.3</u> Date & time of Submission of Tender online Tender submission end date: 31.10.2020 (1500 hrs).	No change. As per Tender conditions.
20	GR Infra Projects	Vol.1/ITT/cl. C12.1/Page-28	Please define the term "Shift supervisor" for the said project . Also, some of the staff shall be inducted after the bid becomes successful. Request to change this provision with an undertaking to be given by bidder for deploying desired number of supervisor & technical staff at site for execution of work as is general practice in other tenders.	<u>Vol.1/ITT/cl. C12.1/Page-28</u> C12. Staffing Schedule and Related Details C12.1 The Tenderer shall submit with his Tender (Appendix-7 of Form of Tender) 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. Details shall be included for all such personnel whether directly employed or engaged on a consultancy or advisory basis and whether associated with the design or the construction of the Works. The submission shall	No change. As per Tender conditions.

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				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 Annexure 3 and 4 of ITT.	
21	GR Infra Projects	Vol.1 /ITT/ Annexure 2, point 7/Page-43	More Details & clarity over shared access & shared areas with co-incident & adjacent work areas required to make logic diagrams. Also please share if some standard format of logic diagram is available with NMRC.	<u>Vol.1 /ITT/ Annexure 2, point 7/Page-43</u> 7) The Tenderer shall prepare logic diagrams providing the philosophy for shared access, shared areas with co-incident and adjacent work areas and submitted as part of his Tender. These logic diagrams shall be developed and submitted along with the Works Programmes as submitted during the course of the Works.	No change. As per Tender conditions.
22	GR Infra Projects	Vol.1/ITT/ Annexure 3 point no.5/Page-44	Total Length of Viaduct = 9.605Km Say 10Km 1 x 10 X 2 Shifts say 20 Nos 20 Nos for the said position is on higher side .Request you to kindly modify as "1No. per Km "	<u>Vol.1/ITT/ Annexure 3 point no.5/Page-44</u> Manager (Viaduct & Launching operations) - Min Requirement 1 per Km per Shift	No change. As per Tender conditions.
23	GR Infra Projects	Vol.1/ITT/ Annexure 3/Page-44	Please confirm, whether a bidder has to submit CV / Qualification / Experience all the project personnel as given in annexure 3 ie 71 nos at the tender stage. Request to change this provision with an undertaking to be given by bidder for deploying desired number of supervisor & technical staff at site for execution of work as is general practice in other tenders.	<u>Vol.1/ITT/ Annexure 3/Page-44</u>	No change. As per Tender conditions.
24	GR Infra Projects	Vol .2/GCC/ cl.2.2/ Page 14,15	1) We request the Authority to please provide the suitable cost compensation in addition to extension of time, in case the delay is due to reasons not attributable to the Contractor.	<u>Vol .2/GCC/ cl.2.2/ Page 14,15</u> 2.2 Access to and Possession of the Site The Employer shall grant the Contractor right of access to, and / or possession of, the Site	No change. As per Tender conditions.

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S.No	Query Raised By	Reference w.r.t RFP	Clarification Requested	Existing provision within RFP	Clarification/ Amendment by NMRC*
			2) Employer is requested to clarify the stages in which the Site/area of works will be made available to the Contractor and the relevant time frame of such access with regard to the date of commencement/Date of LOA.	progressively for the completion of Works. Such right and possession may not be exclusive to the Contractor. The Contractor will draw/modify the schedule for completion of Works according to progressive possession/right of such sites. If the Contractor suffers delay from failure on the part of the Employer to grant right of access to, or possession of the Site, the Contractor shall give notice to the Engineer in a period of 28 days of such occurrence. After receipt of such notice, the Engineer shall proceed to determine any extension of time to which the Contractor is entitled and shall notify the Contractor accordingly. For any such delay in handing over of site, Contractors will be entitled to only reasonable extension of time and no monetary claims, whatsoever shall be paid or entertained on this account.	
25	GR Infra Projects	Vol .2/GCC/Cl. 1.1.1.10/Page7	Employer is requested to define the meaning of indigenization programme and the extent of its implication on the Subject Project	<u>Vol .2/GCC/Cl. 1.1.1.10/Page7</u> 1.1.1.10 "Employer's Requirements" means the description of the scope, standard, design criteria, specifications, drawings, programme of work, indigenization programme (where applicable) as included in the Contract, and any alterations and modifications thereto in accordance with the Contract.	No change . As per Tender conditions.
26	GR Infra Projects	Vol. 2 /GCC/cl.2.1/Page-14	Employer is requested to provide the status of availability of the Site/area of works under the posession of the Client NMRC.	<u>Vol. 2 /GCC/cl.2.1/Page-14</u> 2.1 General Obligations The Employer shall provide the Site/area of works and shall pay the Contractor in accordance with the Contract.	No change . As per Tender conditions.

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27	GR Infra Projects	Vol .2/ GCC/cl. 2.4/Page-15	The said clause shall be deleted as it attracts conflict of interest during the execution phase, as introduction of new agency for any ancillary or related work may effect the progress of work assigned to Contracator and may raise to dispute between the agencies during coordination. The Contractor shall be provided with the first right of refusal to work on new/additional work upto the required completion of the project which might arise as a new unforeseen work during execution of work, so that pace of work should be maintained.	Vol .2/ GCC/cl. 2.4/Page-15 2.4 Assignment by the Employer The Employer shall be fully entitled without the consent of the Contractor, to assign the benefit of the part thereof and any interest therein or there under to any third Party.	No change . As per Tender conditions.
28	GR Infra Projects	Vol 2 /GCC/cl. 4.4a(i)/Page-20	Employer is requested to clarify the meaning and scope of such directives and also the mechanism to mitigate any additional financial implication which may arise due to such requirement . of integration of design.	<u>Vol.2 /GCC/cl. 4.4a(i)/Page-20</u> Facilities for and co- ordination with Others. 4.4(a) The Contractor shall take all reasonable steps to ensure that the Works are co-ordinated and integrated with the design, manufacture, installation execution and testing of such other Works and shall in particular (but without limitation): i.e comply with any direction which the Engineer may give for the integration of the design of the Works with the design of any other part of the Project;	No change . As per Tender conditions.
29	GR Infra Projects	Vol .2/ GCC/cl.8.3/Page-45	Employer is requested to Clarify the timelines for the Employer or the Engineer to hand over to the Contractor the Site necessary for execution of Works, or any part of the Works, or to give necessary notice to commence the Works, or to provide necessary Drawings or instructions or clarifications or to supply any material, Plant or Machinery, which under the	<u>Vol .2/ GCC/cl.8.3/Page-45</u> Delay 8.3 In case of delay on the part of the Contractor, the Contractor shall be liable to pay Liquidated Damages and any other compensation for the damages suffered by the Employer as per clause 8.5. This is without prejudice to the right of the Employer to rescind	No change . As per Tender conditions.

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S.No	Query Raised By	Reference w.r.t RFP	Clarification Requested	Existing provision within RFP	Clarification/ Amendment by NMRC*
			Contract. Also, The employer needs to specify the effect of failure of the employer/ engineer to provide these clearances/approvals/access as the contractor cannot be made to suffer for delay which are not in the purview of contractor.	the Contract. Failure or delay by the Employer or the Engineer, to hand over to the Contractor the Site necessary for execution of Works, or any part of the Works, or to give necessary notice to commence the Works, or to provide necessary Drawings or instructions or clarifications or to supply any material, Plant or Machinery, which under the Contract, is the responsibility of the Employer, shall in no way affect or vitiate the Contract or alter the character thereof; or entitle the Contractor to damages or compensation thereof but in any such case, the Engineer shall extend the time period for the completion of the Contract, as in his opinion is/are reasonable.	
30	GR Infra Projects	Vol.1/ITT/cl.A7.1/Page-20, 21 Vol.3/Employers Requirement/cl.2.1.A (xxvii)/Page-19	1) Please specify the Chainage/Stretch (km) which comes under Forest area(if any). 2) We request that the required permission from concerned authorities to be kept under the client scope .	<u>Vol.1/ITT/cl.A7.1/Page-20, 21</u> Site Visits A7.1 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. Vol.3 /Employers Requirement/cl.2.1.A (xxvii)/Page-19 Necessary permission/ NOC from the Railway/ Road/ Forest department and other concerned regulatory authorities for block and working in such locations. NMRC will facilitate for getting	No change . As per Tender conditions.

S.No	Query Raised By	Reference w.r.t RFP	Clarification Requested	Existing provision within RFP	Clarification/ Amendment by NMRC*
				them permission from concerned regulatory authorities for working in such locations.	
31	GR Infra Projects	Vol.3/Employers Requirement / 2.1.A (6)/Page-20	Please provide the location/chainage where this problem is envisaged	<u>Vol.3/Employers Requirement/2.1.A (6)/Page-20</u> NOTES (VIADUCT & STATIONS) In some stretches placing of heavy cranes for erection of U-girders is not possible and U – Girder launcher is to be used in such locations. Launcher and cranes are to be used for erection depending upon site conditions.	No change. As per Tender conditions.
32	GR Infra Projects	Vol.3/Employers Requirement/ cl.2.8/Page-29	We assume that the land for the disposal of C & D waste will be provided by NMRC free of cost . Please confirm.	<u>Vol .3/Employers Requirement/cl.2.8/Page-29</u> C&D Waste generated from construction depot, viaduct, station during construction to be transported to NMRC/any other processing plant only within 30 km lead from the site and cost of the same is also included in lump sum cost of schedule A.	No change. As per Tender conditions.
33	GR Infra Projects	Vol.3/ Employers Requirement/ cl. 2.10 (ix)/Page- 30,31 Vol.6/Tender Drawings	Utility Identification & permission for shifting of utilities may please be obtained from utility owner by the employer. Also please provide the details of Utilities and Utility Identification Report & Drawings.	<u>Vol.3/ Employers Requirement/ cl. 2.10 (ix) / Page- 30, 31</u> (ix) Utility identification at foundation locations will be done by the contractor and in case utility (ies) is encountered or obligatory requirement is to be met out; the contractor shall modify the span configuration at such location out of the standard span's configurations provided in the tender drawing to save the utility(ies) or to meet obligatory requirements within the accepted price. (h) NOC & Approval of schemes of Diversion of Utilities from the concerned regulatory / statutory / Local Authority is the responsibility of the Contractor and nothing extra is payable	No change. As per Tender conditions.

S.No	Query Raised By	Reference w.r.t RFP	Clarification Requested	Existing provision within RFP	Clarification/ Amendment by NMRC*
				<p>on this account.</p> <p>These are only indicative for one of the utility. Similarly, necessary precautions which are specified from time to time by the utility owning agencies shall also be ensured.</p> <p>Contractor should make his own survey for identification of underground/above ground utilities.</p>	



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34	GR Infra Projects	Vol.3/Employers Requirement/ cl.2.10 (ix)/Page-30,31	The liaison and approval for utility shifting from utility owning agencies shall please be provided by Client ,also it is requested to remove the diversion of utility from the contractor scope	<p><u>Vol.3/Employers Requirement/ cl.2.10 (ix)/ Page-30,31</u></p> <p>The utilities are to be diverted with proper liaison and approval of the utility owning agencies. The utilities which are not be diverted but require supporting, proper supporting is be done so that they are not damaged. Precautions to be taken while handling the utilities are mentioned as under:</p> <p>(a) Utilities must not be damaged at any cost. If due to some or the other reason, mishap occurs, it should be rectified immediately by the Contractor at his own cost under intimation of NMRC.</p> <p>(b) Till rectification of the damaged trunk sewers, the Contractor shall arrange alternate arrangement for sewer pumping and its disposal as per directions of Engineer or Utility owning agency at his own cost. The similar arrangement is done for other utilities also.</p> <p>(c) The manholes of Trunk/Sewers should not be covered under the foundation as these may create hindrances to the annual de-silting/cleaning of sewer lines.</p> <p>(d) Sufficient distance of foundation from outer edge of Trunk / Sewers is to be kept in view of further maintenance/Safety of Trunk /Sewers.</p> <p>(e) The covers of manholes be saved from heavy machinery movement to avoid any accident/Slippage of malba in manholes etc into the Trunk /Sewers lines which may cause blockage of lines. In case of damage of manhole cover & frame the same shall be replaced immediately by the Contractor at his own cost with similar specifications.</p> <p>(f) Manholes of the trunk sewer should be kept</p>	No change . As per Tender conditions.

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S.No	Query Raised By	Reference w.r.t RFP	Clarification Requested	Existing provision within RFP	Clarification/ Amendment by NMRC*
				<p>freely accessible for cleaning and removal of blockages and malba should not be dumped over these manholes.</p> <p>(g) Branch sewer connections which are connected with the trunk sewers should also be taken care of. If the same are damaged, the same should be restored immediately on priority.</p> <p>(h) NOC & Approval of schemes of Diversion of Utilities from the concerned regulatory / statutory / Local Authority is the responsibility of the Contractor and nothing extra is payable on this account.</p> <p>These are only indicative for one of the utility. Similarly, necessary precautions which are specified from time to time by the utility owning agencies shall also be ensured.</p> <p>Contractor should make his own survey for identification of underground/above ground utilities.</p>	
35	GR Infra Projects	Vol.3 /Employers Requirement/ cl. 8 (6)/Page-54	We request that the permission for tree Cutting from forest Department, cutting and removal of trees to be considered under the scope of Client. Also please provide the nos. and location of such trees which are being affected in project alignment.	<p><u>Vol.3/Employers Requirement/cl.8(6)/ Page - 54</u></p> <p>8. DAMAGE AND INTERFERENCE TREE</p> <p>(6) The felling of trees in the Noida/ Greater Noida/NCR Delhi is governed by the Govt. Preservation of Trees Act 1994. The Contractor is not permitted to cut any trees without the</p>	No change. As per Tender conditions.

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S.No	Query Raised By	Reference w.r.t RFP	Clarification Requested	Existing provision within RFP	Clarification/ Amendment by NMRC*
				permission of the Employer. The Employer has assessed the number of trees existing within the right-of-way and contractor has to arrange permission from Forest Department cutting back or removal of trees which are deemed to be affected by the right of way (ie. within the limits of permanent works) construction works. The trees requiring to be felled will be removed from ground level up by the Forest Department/ Noida-Greater Noida Authorities.	
36	GR Infra Projects	Vol .3/ Employers Requirement/ cl.14(8)/Page-65	Kindly provide approved location for Disposal of material for the purposes of estimation of transportation cost	<u>Vol .3/ Employers Requirement/ cl.14(8)/ Page-65</u> 14. MATERIALS (8) All excavated material, excluding waste material, polymer fluid and polymer contaminated material shall be disposed of at the appointed site only. This material shall be placed and compacted in accordance with the Construction Specification for Earth Works or as otherwise directed by the Engineer's Representative. The disposal of waste material, polymer fluid and material contaminated with polymer shall be the full responsibility of the Contractor and these materials shall be disposed of by the Contractor at an approved location. The dumping sites provided by the Employer shall not be used for disposal of waste material, polymer fluid or material contaminated with polymer.	No change. As per Tender conditions.
37	GR Infra Projects	Vol.5 /Tender Drawings	Request you to kindly mark the type of superstructure in Span Configuration Drawing.	Vol.5/Tender Drawings	No change. As per Tender conditions.
38	GR Infra Projects	Vol.5/Tender Drawings	Drawing No- NGNDD-01-LKT-NMRC-ST-03-CP-ST-3005 NGNDD-01-LKT-NMRC-ST-03-CP-ST-3006	Vol.5/Tender Drawings	No change. As per Tender conditions.

S.No	Query Raised By	Reference w.r.t RFP	Clarification Requested	Existing provision within RFP	Clarification/ Amendment by NMRC*
			NGNDD-01-LKT-NMRC-ST-03-CP-ST-3007 NGNDD-01-LKT-NMRC-ST-03-CP-ST-3008 NGNDD-01-LKT-NMRC-ST-03-CP-ST-3009 NGNDD-01-LKT-NMRC-ST-03-CP-ST-MISC-4002 NGNDD-01-LKT-NMRC-ST-03-CP-ST-MISC-4003 NGNDD-01-LKT-NMRC-ST-03-CP-ST-MISC-4006 Drawings listed are not readable. Please provide more readable drawings.		
39	GR Infra Projects	Vol.5/Tender Drawings	NGNDD-01-LKT-NMRC-ST-XX-TD-GR-AR-1001,1002,1003,1004,1005,1006,1007 There is no clarity in drawings for column details as well as type of superstructure i.e U/ π / I / T Girder at stations Please provide detail drawings for station.	Vol.5/Tender Drawings	No change. As per Tender conditions
40	GR Infra Projects	General	Land acquisition- Please provide land acquisition status for the project .Also specify, how much %ge of land is available? Please also define the time frame in which the entire land for the project shall be made available by the employer (NMRC).		No change. As per Tender conditions
41	GR Infra Projects	General	Bonus for early completion- The Authority is silent on the part of bonus payment for Early Completion of works. So we request you that in the event the Project Completion Date occurs prior to the Scheduled Completion Date, the Contractor shall be entitled to receive a payment of bonus being a standard practice in the construction industry. With respect to equitability to clause of Liquidated damages, we request you to		No change. As per Tender conditions

S.No	Query Raised By	Reference w.r.t RFP	Clarification Requested	Existing provision within RFP	Clarification/ Amendment by NMRC*
			kindly incorporate the clause of bonus for early completion.		
42	GR Infra Projects	General	Drone Survey- Kindly provide the Drone Survey for better understanding of the alignment as it is not possible to visit the Site in present COVID 19 pandemic Situation.		No change. As per Tender conditions
43	GR Infra Projects	General	Stacking of Segments in casting yard- Please specify the maximum tier of stacking allowable for Segments in casting yard.		No change. As per Tender conditions
44	GR Infra Projects	Vol.3/ Employers Requirement/ cl. 2.10 (ix) / Page- 30, 31	It is requested to give complete details of chartered utility along the project alignment.	<u>Vol.3/ Employers Requirement/ cl. 2.10 (ix) / Page- 31</u> Contractor should make his own survey for identification of underground/above ground utilities.	No change. As per Tender conditions
45	GR Infra Projects	General	Please provide the super structure details for non standard Spans (other than 27 m)		
46	GR Infra Projects	General	Kindly provide the following Drawings for the working:- 1) Concourse level plan at each station 2) Road level plan at each station 3) Platform Level Plan at each station 4) Detailed Station drawings 5) Drainage plan and drawing 6) Railing drawing 7) Parapet details (if I girder is present) 8) Hindon Special span		No change. As per Tender conditions
47	GR Infra Projects	Vol.1/NIT/ cl.1.1.2/Page-3	Tender submission end date: 31.10.2020 (1500 hrs).- Being a design and build contract, designing, preparation of BOQ, and most competitive bid requires considerable time	<u>Vol.1/NIT/ cl.1.1.2/Page-3</u> Date & time of Submission of Tender online- Tender submission end date: 31.10.2020 (1500 hrs).	No change. As per Tender conditions

S.No	Query Raised By	Reference w.r.t RFP	Clarification Requested	Existing provision within RFP	Clarification/ Amendment by NMRC*
			. We request to extend the Bid Submission by another 4 weeks.		
48	GR Infra Projects	Vol.1/NIT/ cl.1.1.2/Page-2	Completion period of the Work: 24 Months- Being a Design and Build contract preparation of design and drawings and its approval requires considerable time. We request you to consider project duration of 30Months.	<u>Vol.1/NIT/ cl.1.1.2/Page-2</u> Completion period of the Work-24 (Twenty four months)	No change. As per Tender conditions

Note: Addendum issued for NIT pages 2 3 & 6; Employer Requirements –Appendixes pages 69 & 70 and uploaded as 2R, 3R, 6R ,69R, 70R of respective documents.



V.V. REDDY
DGM/Civil



AVINASH KUMAR
DGM/RS & Elect./Ops.



RAJAN PRAKASH
DGM/Finance

Please Note – The above clarifications shall supersede to all the respective provision in the tender documents.

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