

NAGPUR METRO RAIL CORPORATION LIMITED (NMRCL)

CORRIGENDUM-1 DATED 2/5/15 TO Tender Notice No : T-20150417-1

NAME OF WORK	CONSTRUCTION OF BRIDGES (INCLUDING RAIL-OVER-BRIDGE OVER CONCOR SIDING AT KHAPRI), RETAINING WALLS, BOUNDARY WALLS AND EARTHWORK IN DEPOT AND AT-GRADE SECTION BETWEEN CH 14200 - CH. 21604.5 IN AIRPORT-KHAPARI-MIHAN DEPOT SECTION ON NORTH – SOUTH CORRIDOR OF NAGPUR METRO RAIL PROJECT
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Note: This corrigendum contains two parts viz. 1) General Items and 2) Specific items raised by prospective bidders during pre-bid meeting.

1. GENERAL ITEMS

S NO	PART	SECTION	ITEM	PAGE/SEC	CLAUSE	ORIGINAL	AMENDED
1	PART 1	SECTION 3	EVALUATION AND QUALIFICATION CRITERIA	p.5/5	Clause 2.3.1	Note:- 1 & 2	Note no. 3 to be added: “3. For Sub –clause 2.3.1 Contracts of Similar Size and Nature a weightage of 5% (compounded annually from the date of completion of the work to the submission of the Bid) shall be given for equating the value of work of the previous years to the current year.”
2	PART 1	SECTION 4	VARIOUS FORMATS	p.4,11,12 and 15/30	Bidding Forms	“Stamp paper of the appropriate value”	Stamp paper of INR 500
3	PART 1	SECTION 4	VARIOUS FORMATS	p.27,28/30	FIN-3 and FIN-4	...(Similar works as per para 2.2.4 of Section 3)	References to para 2.2.4 of Section 3 on both the pages stand deleted.
4	PART 2	SECTION 5	SITE FACILITIES – CH. II	p.2-6/6	Clause 2,3,4,5,6	Different periods of maintenance/ provision of site facilities mentioned in respective clauses	All site facilities will be maintained/ provided for a period of 90 days after physical completion of work as certified by Engineer.
5	PART 2	SECTION 5	MATERIALS/SAMPLING & TESTING	p.6/174	Clause 1.1.13	...Samples of all materials proposed to be employed in the permanent works shall be submitted to the	...Samples of all materials proposed to be employed in the permanent works shall be submitted to the

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						Engineer at least 45 days in advance for approval before they are brought to the site...	Engineer at least 10 days in advance for approval before they are brought to the site...
6	PART 2	SECTION 5	MATERIALS/OTHER MATERIALS	p.8/174	Clause 1.1.19	...Wherever, no specific code of practice of IRS/IRC/IRC/BIS is applicable, the decision of Engineer shall be final and binding cost of the same will be...	...Wherever, no specific code of practice of IRS/IRC/IRC/BIS is applicable, the decision of Engineer shall be final and binding. Cost of the same will be...
7	PART 2	SECTION 5	BARRICADING	p.10/174	Carryover of Clause 1.1.21.5	<u>If the load testing is instructed on any ground other than mentioned in Para (i) to (vii) of clause 1.1.20.1 above, then the cost of the same shall be reimbursed if the test results are found to be satisfactory.</u>	<u>If the load testing is instructed on any ground other than mentioned in Para (i) to (vii) of clause 1.1.21.1 above, then the cost of the same shall be reimbursed if the test results are found to be satisfactory.</u>
					Clause 1.2.13	...The work covers barricading for the work done along the median, areas affecting road traffic shall be paid under schedule "B"...	...Barricading is not envisaged for this work. However, if specifically ordered by the Engineer for any exigencies, the payment for the same will be made separately.
					Clause 1.2.13 (ii)	However, actual numbers required will be as per	However, actual numbers required will be as per

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						approved plan by the Engineer and clearance from the traffic department, Kolkata.	approved plan by the Engineer and clearance from the traffic police department, Nagpur .
8	PART 2	SECTION 5	APPLICABLE CODES, STANDARDS.....	p.13/174	Clause 1.5, viii)	...NFPA 130 Standard for Fixed Guide way Systems: to be used for design relating to fire safety andNFPA 130 Standard for Fixed Guide way Systems And Passenger Rail Systems...
9	PART 2	SECTION 5	EARTHWORK	p.20/174	Clause 2.3	..The construction barricading / fence in general will have a maximum width of 10.0 m (outside to outside of barricading). This can be increased at specific locations with prior approval of Engineer.The Contractor shall submit method statements for approval of Engineer demonstrating how this will be achieved at site...	..The construction barricading / fence width will be decided in consultation with Engineer. The Contractor shall submit method statements for approval of Engineer demonstrating how this will be achieved at site...
10	PART 2	SECTION 5	COMPACTION	p.30/174	Clause 3.9 (5.0)	...The performance of vibrators shall suit the working conditions, and they shall generally not be less than 75mm diameter. The radius of influence shall ensure...	...The size of vibrators shall suit the working conditions and the size of structural member being concreted . The radius of influence shall ensure ...

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					Clause 3.9 (9.0)	The temperature of concrete shall not exceed 32 0C nor below 5 0C or the temperature stated in the table of Mixes whichever is the lower at the time of placing concrete. Also the maximum concrete temperature after placing shall not exceed temperature 50 0C or 30 0C...	The temperature of concrete shall not exceed 32 deg.C nor below 5 deg.C or the temperature stated in the table of Mixes whichever is the lower at the time of placing concrete. Also the maximum concrete temperature after placing shall not exceed temperature 50deg.C or 30 deg.C...
11	PART 2	SECTION 5	ADMIXTURES	p.39/174	Clause 3.21	-	New clause added: 3.21 Admixtures, Plasticizers, etc. may have to be used to delay setting time, improve slump etc. positively when transit mixers have to travel long distances. The type of admixtures/plasticizers and specifications to be used shall be got approved by NMRCL/Engineer beforehand. No extra payment shall be made for the use of such materials and it is deemed to be included in

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							the accepted rates.
12	PART 2	SECTION 5	MEASUREMENT	p.51/174	Clause 5.8	No payment shall be made for chairs/spacer bars, laps, butt welding wherever required as per Clause 5.4	No payment shall be made for chairs/spacer bars, laps, butt welding wherever required as per Clause 5.1
13	PART 2	SECTION 5	CAST IN SITU BORED PILES	p.74/174	Clause 8.4.2.c	When using bentonite mud, flushing shall be done with fresh bentonite slurry after lowering of reinforcement cage and tremie. The bottom of the hole shall be cleaned very carefully before concreting work is taken up. Cleaning / flushing methodology shall be submitted and got approved by the Engineer prior to commencement of piling.	Add following lines: As a substitute for Bentonite slurry, contractor may use Polymer approved by Employer as a drilling fluid. ex: chemical name – Sodium Polyacrylamide. The use of this keeps the site very tidy and not messy. However, nothing extra will be paid for use of such drilling fluid.
14	PART 2	SECTION 5	CONCRETEING	p.76/174	Clause 8.5(k)	...The top of concrete in pile shall be brought above the cut off level to remove all laitance & weak concrete and to ensure good concrete at cut-off level.	...The top of concrete in pile shall be brought above the cut off level to remove all laitance & weak concrete and to ensure good concrete at cut-off level. Nothing extra will be paid for concreting done above the COL nor for chipping

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							the pile to remove such concrete.
15	PART 2	SECTION 5	TESTING OF PILE	p.77/174	Clause 8.8	...The load tests shall be in accordance with the Indian Standard Code of Practice for Design and Construction of Pile Foundations IS 2911 (Part IV) Load Tests on Piles. For initial load test, test load will be 2.5 times the theoretical designed capacity of pile. For initial load...	...The load tests shall be in accordance with the Indian Standard Code of Practice for Design and Construction of Pile Foundations IS 2911 (Part IV) Load Tests on Piles. For initial load test, test load will be 2.5 times and for routine test, test load will be 1.5 times the theoretical designed capacity of pile. For initial load...
16	PART 2	SECTION 5	TESTING OF PILE	p.78/174	Clause 8.8 (Last para on p.78)	...As the work is to be carried out in urban areas, load test by kentledge method is not permitted...	...As the work is to be carried out in urban areas, load test by kentledge method is not permitted. However, in non-urban areas it may be permitted with prior approval of Engineer...
17	PART 2	SECTION 5	TERMINATION OF PILES IN ROCKS	p.80/174	Clause 8.13 (B)	For the purpose of socketing of end bearing pile in soft / hard rock, the following alternative criteria can be adopted to determine the soft/hard rock. a. Rock will qualify as	For the purpose of socketing of end bearing pile in soft / hard rock, the following alternative criteria can be adopted to determine the soft/hard rock. a. Rock will qualify as

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						<p>soft rock if RQD = 35% and core recovery=35% and core strength 35Mpa ~ 350T/M².</p> <p>b. Rock will qualify as hard rock if RQD =75% and core recovery =75% and core strength 50 Mpa and above i.e. more than 500 T/ M2</p>	<p>soft rock if RQD > 35% and core recovery >35% and core strength >35Mpa ~ 350T/M2.</p> <p>b. Rock will qualify as hard rock if RQD > 75% and core recovery >75% and core strength 50 Mpa and above i.e. more than 500 T/ M2</p>
18	PART 2	SECTION 5	LIST OF APPROVED MAKERS	p.109/174	Clause 9.5	The list of approved Makes / likely Suppliers for products and materials is given below. Decision of NMRCL's Engineer is final and binding on the Contractor. Other equivalent manufacturers can only be considered with prior approval of the Employer subject to testing of the material for equivalent specification and properties.	The list of approved Makes / likely Suppliers for products and materials is given below. Other equivalent manufacturers can only be considered with prior approval of the Employer subject to testing of the material for equivalent specification and properties. Decision of NMRCL's Engineer is final and binding on the Contractor.
				p.110/174	Clause 9.5	13. HDPE Sheathing-Rex Polyextrusion	13. HDPE Sheathing-Rex

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				p.111-114/174	Contd.	20. Testing Labs- Civil Aid, Karnataka Test house and Sriram Institute for Industrial Research, NTH Kolkata, Suprintendance Testing Lab Kolkata, IRC testing Lab Howrah, Omega Testing Lab Kolkata	Polyextrusion, Gwalior Polypipe Ltd, Kataria Sheathing 20. Testing labs- 1. VNIT, REGIONAL ENGINEERING COLLEGE, NAGPUR. 2. P.W.D., NAGPUR REGION, NAGPUR. 3. GOVT. POLYTECHNIC, SADR, NAGPUR. 4. GEOTECH SERVICES,X-18 , MIDC, Hingna Industrial estate, Nagpur 440016 5. GEOSYSTEM RESEARCH & CONSULTANTS INDIA PVT. LTD., M 1 & M2, Pushpkunj Commercial Complex, Central Bazaar Road, Nagpur. NOTE:- Min. 50% of testings should be conducted from the labs mentioned at sl. Nos.1 to 3 above.

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				p.114/174	Contd.- Note at the end of table	Table of Approved Vendors For Finishing Items List of approved makes /suppliers given in Technical specifications are for general guidance to the contractor. However, during execution of work if any suitable brand/make/supplier of requisite standard is available in the vicinity of execution, the contractor may procure the same with the prior approval of competent authority of NMRCL.	Table deleted List of approved makes /suppliers given in Technical specifications are for general guidance to the contractor. However, during execution of work if any suitable brand/make/supplier of requisite standard is available, the contractor may procure the same with the prior approval of competent authority of NMRCL.
19	PART 2	SECTION 5	TYPE OF CONSTRUCTION	p.115/174	Clause 10.1	The Box girder superstructure for most of the length shall be constructed by precast segmental construction with epoxy bonded joints. ...The governing weight of the segments will be of the order of 75 t.	Para not applicable
20	PART 2	SECTION 5	UP STANDS/ DOWN STANDS	p.123/174	Clause 10.7	-	New Clause added: 10.7 UP STANDS/DOWN

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							<p>STANDS</p> <p>Where the alignment is in grade, the girders are placed following the designed grades on the bearings. It is necessary to have a perfect seating of girders on the bearings to transmit the loads satisfactorily. This should be achieved by providing suitable concrete up stands/down stands in the pier segments.</p>
21	PART 2	SECTION 5	GUIDELINES FOR ERECTION METHODS	p.148/174	Clause 14.0 (C) 1.0	...The different types of superstructures erection systems fall into the following categories:	<p>...The different types of superstructures erection systems generally used are:</p> <ol style="list-style-type: none"> 1. Span by launching girder method (Overhead/ Underslung) 2. Crib & Crane Method 3. Goliath Gantry Method <p>Contractor may also develop his own scheme with approval of Engineer.</p>
22	PART 3	SECTION 6	THE ENGINEER	p.13/76	Clause 3.2	3.2 (d)-ii, iii, iv and 3.2 (e) and (f)	Deleted

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23	PART 3	SECTION 6	SITE DATA	p.21/76	Clause 4.9 (i)	<p>The Employer shall have made available to the Contractor with the Tender documents such relevant data in Employer’s possession on Geo technical data and sub-surface conditions. Such data provided by the Employer are for reference purposes only. The accuracy or reliability of the data/studies/reports and of any other information supplied at any time by the Employer or Engineer is only informative...</p> <p><i>...The Contractor shall separately carry out Geo Technical investigation, Site Survey and physical verification of the utilities in order to ascertain feasibility of the construction of the structures as indicated in</i></p>	<p>The Employer shall have made available to the Contractor with the Tender documents such relevant data in Employer’s possession and as available with the employer on Geo technical data and sub-surface conditions. Such data provided by the Employer are for reference purposes only. The accuracy or reliability of the data/studies/reports and of any other information supplied at any time by the Employer or Engineer is only informative and is not guaranteed...</p> <p><i>...The Contractor shall separately carry out Geo Technical investigation, Site Survey and physical verification of the utilities in order to ascertain feasibility of the construction of the structures as indicated in</i></p>

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						<i>the GAD and suggest any modifications to the GAD within the period stipulated in KD-1...</i>	<i>the GAD and suggest any modifications to the GAD within one month...</i>
24	PART 3	SECTION 6	PAYMENT INTERIM AND FINAL	p.53/76	Clause 11.4 b)	Balance 20% of the certified value of work done shall be made by the Employer within 12 working days (if the Certificate is received in forenoon) from the date of submission of Interim Certificate from Employer duly certified, after carrying out detailed checks.	Balance 20% of the certified value of work done shall be made by the Employer within 12 working days (if the Certificate is received in forenoon) from the date of submission of Interim Certificate by the Engineer duly certified, after carrying out detailed checks.
25	PART 3	SECTION 6	DELAYED PAYMENT	p.58/76	Clause 11.17	If the Contractor does not receive payment in the specified period, the Contractor shall be entitled to receive simple interest @7% (seven percent) per annum on the amount unpaid during the period of delay.	Deleted.
26	PART 3	SECTION 6	PRICE VARIATION	p.59-60/76	Clause 11.20	<p>“V = VI + Vs + Vc + Vf + Vm”</p> <p>“VI = Adjustment on account of labour component = p x R x (I to II)/lo”</p>	<p>“V = V₁ + Vs + Vf + Vm”</p> <p>“V₁ = Adjustment on account of labour component = p x R x (I₁ - I₀)/lo”</p>

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						<p>“to = Consumer Price Index for industrial workers, published by Ministry of labour & Employment, Govt. of India, as applicable to Nagpur area for the month in which the tender was opened.”</p> <p>“l = Average of monthly Consumer Price index for industrial workers published by Ministry of Labour & Employment, Govt. of India, as applicable to Nagpur area for the period of work under consideration.”</p> <p>R= Gross value of work done....under consideration, after</p>	<p>“lo = Consumer Price Index for industrial workers, published by Ministry of labour & Employment, Govt. of India, as applicable to Nagpur area for the month in which the tender was opened.”</p> <p>“li = Average of monthly Consumer Price index for industrial workers published by Ministry of Labour & Employment, Govt. of India, as applicable to Nagpur area for the period of work under consideration.”</p> <p>R= Gross value of work done....under consideration, after excluding payment made for cementas per SCH A, SECTION-IV, Sr No. 1and after excluding there from the cost of any materials....to the contractor.</p>

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						<p>excluding there from the cost of any materials....to the contractor.</p> <p>No Price Variation shall be paid on cement</p> <p>... Note: Responsibility of arranging the RBI Bulletins desired by the Employer or the Engineer shall rest with the Contract.</p>	<p>Price Variation on Cement shall be adjusted as under:</p> <p>{{(Unit Price of Cement on date of procurement - Unit Price of Cement on date of opening of tender) X QTY of cement} enhanced by ST, ED & VAT on date of opening of tender.</p> <p>For the purpose of calculation, Unit Price will be taken from Rates given by ACC Ltd, Chanda Cement Works, Chandrapur on INAM-PRO Portal regardless of actual place of purchase</p> <p>... Note: Responsibility of arranging the RBI Bulletins desired by the Employer or the Engineer shall rest with the Contractor.</p>
27	PART 3	SECTION 6	CONDITIONS LEADING TO TERMINATION OF	p.65/76	Clause 13.2.1 (last	...After termination, the Employer may complete	...After termination, the Employer may, in

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			CONTRACT		para)	the Works and/or arrange for any other entities to do so. The Employer and these entities may then use any Goods, Contractor's Documents and other design documents made by or on behalf of the Contractor...	whatever manner he deems fit , complete the Works and/or arrange for any other entities to do so. The decision of the employer is final and binding on the contractor in this respect. The Employer and these entities may then use any Goods, Contractor's Documents and other design documents made by or on behalf of the Contractor...
28	PART 3	SECTION 6	PAYMENT AFTER TERMINATION	p.65/76	Clause 13.2.3	...After a notice of termination under Sub-Clause 13.2.1 has taken effect, the Employer may: (a) the Retention Money deducted till date shall be forfeited...	...After a notice of termination under Sub-Clause 13.2.1 has taken effect, the Employer may: (a) forfeit the Retention Money deducted till date...
29	PART 3	SECTION 7	CONTRACT DATA	PART A	S No 17	Repayment rate of advance payment	Add following line at the end of data description: However deduction schedule shall follow Clause 11.2.5
30	PART 3	SECTION 7	CONTRACT DATA	PART A	S No 24	Data: Equal to 50% of Contract Price	Equal to 100% of Contract Price

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S NO	PART	SECTION	ITEM	PAGE/SEC	CLAUSE	ORIGINAL	AMENDED
31	PART 3	SECTION 7	SPECIAL CONDITIONS OF CONTRACT	PART B	SPECIFIC PROVISIONS	The bidder should.....document.	Line added at the end of paragraph: Notwithstanding the above provision, it is necessary and essential that cement being procured satisfies the specifications given in the Tender Document and this has to be ensured by the Contractor at all times.
32	PART 3	SECTION 8	SCHEDULE A, RATE SHEET	SECTION II	Item 2	Providing and layingand of shuttering, centring. in position cement concrete of specified proportion excluding cost of cement.	“Providing and laying ...and of shuttering, centering.” Extra words- “in position cement concrete of specified proportion excluding cost of cement.” Deleted.
33	PART 3	SECTION 8	SCHEDULE A, RATE SHEET	SECTION II	Item 4A	...and of approved quality cast in situ RCC box of size up to 5m....	Special condition added at the end of description: Item rate applicable even where size increases beyond 5m
34	PART 3	SECTION 8	SCHEDULE A, RATE SHEET	SECTION II	Item 6A	Providing and layingshall be paid extra. in Abutment, pier...engineer incharge.	“Providing and layingshall be paid extra.” Extra words- “in Abutment, pier...engineer

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S NO	PART	SECTION	ITEM	PAGE/SEC	CLAUSE	ORIGINAL	AMENDED
							incharge.” deleted.
35	PART 3	SECTION 8	SCHEDULE A, RATE SHEET	SECTION II	Item 7A	Precast RCC M25	Rate includes necessary provision for LOGO of Nagpur Metro on Precast panels.
36	PART 3	SECTION 8	SCHEDULE A, RATE SHEET	SECTION II	Item 11B	Centering and shuttering inclding strutting, propping etc. and removal of form for:In Bottom/top slab,sidewalls, toe wall and sumps haunch filling head walls or any other component.	Centering and shuttering including strutting, propping etc. and removal of form for Abutment, pier, wing walls and return walls
37	PART 3	SECTION 8	SCHEDULE A, RATE SHEET	SECTION II	Item 12B	Centering and shuttering inclding strutting, propping etc. and removal of form for:In Bottom/top slab,sidewalls, toe wall and sumps haunch filling head walls or any other component.	Centering and shuttering including strutting, propping etc. and removal of form for Abutment cap, Pier Cap, Inspection Platform & Pedestal over Pier cap, Fender wall , Diaphragm wall, etc
38	PART 3	SECTION 8	SCHEDULE A, RATE SHEET	SECTION II	Item 14	Providing and fixing...preparations, complete.	To be added at the end of description: for 80mm expansion.
39	PART 3	SECTION 8	SCHEDULE A, RATE SHEET	SECTION II	Item 17 A	Dry random rubble stone pitching.	Add note: Payment for cement shall be made extra.
40	PART 3	SECTION 8	SCHEDULE A, RATE SHEET	SECTION III	Item 2	Sr No. 2 is repeated	Item of “Providing and Fixing Concertina Coil Fencing” to be read at Sr No. 7
41	PART 3	SECTION 8	SCHEDULE A, RATE	SECTION	Item 5	“Conducting...engineer-	Delete word “paid” from

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S NO	PART	SECTION	ITEM	PAGE/SEC	CLAUSE	ORIGINAL	AMENDED
			SHEET	III		incharge”	last line in description
42	PART 3	SECTION 8	SCHEDULE A, RATE SHEET	SECTION III	6 A & B	Unit=KM	Unit=Cu. M
43	PART 3	SECTION 8	SCHEDULE A, RATE SHEET	SECTION IV	1	Note 2: The payment will be done for actual quantity used in work. Payment will be made as per standard consumption and according conditions of contract and standard specification.	Note 2: The payment will be done for actual consumed quantity or as per standard consumption/ design mix whichever is less.
44	DRAWINGS				TYPICAL SECTION OF PIER	Twin Pier, Size =1500	Drawing may be single or twin pier of circular shape
45	DRAWINGS						Additional drawings Annexure A1-A7 added for guidance

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2. SPECIFIC ITEMS RAISED BY PROSPECTIVE BIDDERS DURING PRE BID MEETING

S NO	ITEM	DECISION BY NMRCL
1	<p>Confirm that all consortium/Joint Venture members have not gone through CDR :- Yes or No.</p> <p>If answer is yes, then Bidder shall submit a certificate from its banker that the company is maintaining its Account as “Standard Account” as on March 31, 2015 etc.</p> <p>We shall be obliged for your kind consideration on above issue and request for change of CDR clause by issuing an amendment in this regard.</p>	<p>Ref.Section 1: Instruction to Bidders, p.5/17, Clause 4.4 b).</p> <p>Condition stands amended with following addition:</p> <p>“If the answer to Clause(b) of 4.4 is “Yes” then the bidder shall submit a certificate from its banker that the company is maintaining its account as “Standard Account” as on March 31, 2015, otherwise the bidder shall stand disqualified.”</p>
2	It is mentioned in NIT that for Bid Security DD amounting to Rs.40,000.00/- should be submitted along with Bid-Documents. We request that instead of DD of Rs.40,000,00/- Bank Guarantee for the same amount should be considered.	Not accepted. Tender conditions prevail.
3	As per Contract Data it is mentioned in Clause No.9 that Mobilization Advance will be given at the rate of interest 10%, It is requested that as we are utilizing the amount of Mobilization Advance for work itself, Advance should be given on interest free basis.	Not accepted. Tender conditions prevail.
4	As per Contract Data it is mentioned in Clause No.15 that Advance against Plant and Machinery is not applicable, it is requested that as we are utilizing amount of advance for work itself, Advance should be considered on interest free basis.	Not accepted. Tender conditions prevail.
5	As per Contract Data it is mentioned in clause No.16, Advance against Material is not applicable, it is requested that Advance for material should be considered on interest free basis.	<p>Not accepted. Tender conditions prevail.</p> <p>Tenderer may also refer PARTIII, SECTION 8, SCHEDULE A, RATE SHEET, Section-III, NS Items, Sr No 1 (Supply,</p>

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S NO	ITEM	DECISION BY NMRCL
		Cutting, Bending binding of reinforcement steel), Note 1 for release of 80% of payment against supply.
6	As per Work Requirement Technical Specification Clause 3.6 (Page No.27/174) the cement content in concrete shall not be less than 350 kg/cum for RCC work and 430 kg/cum for PSC work. Please clarify whether in RCC and PSC work cement content should be as per Mix Design or otherwise?	Cement content should be as per Mix Design subject to minimum requirement specified in tender conditions. Refer Sr No 43 of GENERAL ITEMS mentioned earlier in this corrigendum
7	As per Section 3 Evaluation and Qualification criteria Clause 2.3.1 (Page No.4/of 5) it is given that similar nature of work means, 'Any Civil Engineering work for Metro involving construction of Earth work RCC works and / or Prestresses Concrete Work'. In this respect we have worked for Metropolitan Transport Project Railways at Chennai amounting to Rs.75 crores. So, please clarify whether with this work can we quote (Copy of Completion Certificate enclosed).	Evaluation and Qualification criteria given in the tender conditions are clear and will prevail. Evaluation of individual certificates will be done after tender opening.
8	<p>Page-4 Section-3: CL 2.3.1</p> <p>Specific Construction Experience Key Experience</p> <p>i) Construction of Bridges involving PSC Girders of PSC quantity of 900 Cum in one contract during the last 5 years prior to the last stipulated date for submission of the bid. Works completed prior to the cutoff date shall not be considered.</p> <p>ii) Execution of 1,00,000 Cum earthwork/blanketing in one Contract during the last 5 years prior to the last stipulated date for submission of the Bid. Works completed prior to the cutoff date shall not be considered.</p> <p>Modification/Clarification Sought</p> <p>Please modify the clause as</p> <p>i) "Construction of Major Bridges completed in any civil engineering works in one contract during the last 5 years prior to the last stipulated date for submission of</p>	Key experience requirement given in tender conditions are clear and prevail. It may be noted that Key Experience may be in any civil engineering work and NOT NECESSARILY in SIMILAR WORKS as defined for contracts of similar size and nature.

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S NO	ITEM	DECISION BY NMRCL
	<p>the bid. Works completed prior to the cutoff date shall not be considered.</p> <p>ii) Please modify the clause as "Execution of 1,00,000 Cumearthwork/blanketing in any civilengineering works in one contractduring the last 5 years prior to the laststipulated date for submission of theBid. Works completed prior to thecutoff date shall not be considered.</p>	
9	<p>Page-4 Section-3: Cl.2.3.1 Contracts of Similar Size and Nature The bidder should have satisfactorily completed in his own name or proportionate share as a member of a Joint Venture, at least one similar work of minimum value of 5200 Lakhs OR at least two similar works each of minimum value of 3200 Lakhs during the last 5 Years prior to the last stipulated date for submission of the Bid. Works completed prior to the cutoff date shall not be considered.</p> <p>Similar Works Means:- Any Civil engineering works for Metro involving construction of Earth work, RCC Works and/or Prestressed Concrete Work.</p> <p>Modification/Clarification Sought</p> <p>Please modify the clause as:- The bidder should have satisfactorily completed in his own name or proportionate share as a member of a Joint Venture, at least one similar work of minimum value of 5200 Lakhs OR at least two similar works each of minimum value of 3200 Lakhs during the last 5 Years prior to the last stipulated date for submission of the Bid. Works completed prior to the cutoff date shall not be considered.</p> <p>Similar Works Means:- Any Civil engineering works involving construction of Earth work, RCC Works and/or Prestressed Concrete Work.</p>	<p>Not accepted. Tender conditions prevail.</p> <p>Similar work will mean Metro work as mentioned in tender document.</p>
10	Page-5 Section-3: Cl.2.4	Undertaking may be provided on

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S NO	ITEM	DECISION BY NMRCL
	<p>Personnel The bidder must give an undertaking to provide at least the personnel for the key position as given in Section 5: Works requirement, if he is awarded the contract:</p> <p>Modification/Clarification Sought Whether the Contractor has to provide an undertaking in stamp paper of Rs. 100/-duly notarized or in letter head of bidder. Further, the contractor has to submit any other/additional documents related with the personnel? Please confirm.</p>	bidder's letterhead.
11	<p>Page-5 Section-3: Cl.2.4</p> <p>Equipment The bidder must give an undertaking to provide at least the key equipment for execution of the work as given in section 5: Works Requirement, if he is awarded the contract:</p> <p>Modification/Clarification Sought Whether the Contractor has to provide an undertaking in stamp paper of Rs. 100/-duly notarized or in letter head of bidder. Further, the contractor has to submit any other/additional documents related with the equipments? Please confirm.</p>	Undertaking may be provided on bidder's letterhead.
12	<p>Cl. No. 2.3, Experience Pg. 4 of 5 of 'Section 3 : Evaluation and Qualification Criteria'</p> <p>Description Similar Works Means :-Any Civil Engineering works for Metro involving construction of Earth Work, RCC Works and/or Prestressed Concrete.</p> <p>Clarification Sought Please confirm whether bridges of ROBs on National Highways and critical river bridges experience of values mentioned will be considered or not?</p>	<p>Not accepted. Tender conditions will prevail.</p> <p>Similar work will mean Metro work as mentioned in tender document.</p>
13	<p>Cl. No. 2.3, Experience Pg. 4 of 5 of 'Section 3 : Evaluation and Qualification Criteria'</p> <p>Description (i) Construction of Bridges involving PSC Girders of PSC quantity of 900 CuM in one</p>	<p>Not accepted. Tender conditions prevail.</p> <p>It may be noted that Key Experience</p>

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S NO	ITEM	DECISION BY NMRCL
	<p>contract during the last 5 (five) years prior to the last stipulated date for submission of the bid. Works completed prior to the cut off date shall not be considered.</p> <p>(ii) Execution of 1,00,000CuM earthwork/blanketing in one contract during the last 5 (five) years prior to the last stipulated date for submission of Bid. Works completed prior to the cut off date shall not be considered.</p> <p>Clarification Sought You have mentioned the eligibility requirement to be achieved in one contract during last 5 years. Please consider the eligibility of achievement of quantities mentioned in clause 'in one year in various contracts' also.</p>	<p>requirement of PSC quantity and Earthwork/ Blanketing quantities need not be in the same “one contract”.</p>
14	<p>Form FIN-1 Financial Situation</p> <p>Description The Bidder shall attach copies of the following original documents with the form</p> <p>Copies of the audited balance sheets, including all related notes and income statements for the last three years as indicated above, complying with the following conditions.</p> <p>Clarification Sought It is not possible to submit original balance sheet. Only attested and notarized copy can be submitted.</p>	<p>As per tender document original balance sheet is not required. Copies of the original document as mentioned in FIN-1 may be submitted.</p>
15	<p>Form FIN-3 & FIN-4 Financial Situation</p> <p>Description Similar Works as per para 2.2.4 of Section 3) Contract.</p> <p>Clarification Sought We regret to inform you that we are unable to locate Para 2.2.4 anywhere in the Section -</p>	<p>Refer Sr No 3 of GENERAL ITEMS mentioned earlier in this corrigendum</p>

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S NO	ITEM	DECISION BY NMRCL
	III.	
16	Bridge GAD drawing for viaduct with RCC deck with superstructure is not uploaded. We request you to kindly upload the same.	Refer Sr No 45 of GENERAL ITEMS mentioned earlier in this corrigendum
17	We presume that retention money is acceptable in the form of BG. 50% of the same will be refunded after completion of the project and balance will be released after completion of DLP. Kindly confirm.	Refer Section 6, p.54/76, Clause 11.5 of tender document.
18	We request you to kindly reimburse / recover any variation in existing tax structure or imposition of new taxes coming into force after the due date of submission of tender.	Not accepted. Tender conditions will prevail.
19	We request you to kindly reduce the maximum ceiling of LD to 5%.	Not accepted. Tender conditions will prevail.
20	Tender stipulates that the CAR policy shall be equal to 50% of the contract price. It should be 100% of the contract price and valid upto completion of the project. Kindly clarify.	Refer Sr No 30 of GENERAL ITEMS mentioned earlier in this corrigendum
21	Tender stipulates that the enormous client facilities including offices, DG Sets, attendants, car, telephones, furniture etc. are to be maintained till the end of defect liability period. We request you to kindly accept the same till the completion of the project and oblige.	Refer Sr No 4 of GENERAL ITEMS mentioned earlier in this corrigendum
22	We request you to provide land for labor hutment nearby site at free of cost.	Not accepted
23	We request you to kindly obtain tree cutting permission from your end. Required <i>assistance</i> in liasoning will be provided by us.	Accepted.
24	Any delay in completion of project due to delay in handing over of site in phased manner will be attributable to you and we shall compensated suitably.	Not accepted. Tender conditions prevail.
25	We are of the opinion that the list of equipments stipulated in the tender are on higher side. We request you to reconsider the same.	Number of Trailers and Mobile cranes is reduced to 2 each. Other items are OK. Please also refer S No. 44 mentioned below.
26	As all the bridge GAD drawings are yet to be issued. It will take some more time \ ^ to study the tender documents and submit competitive offer. We request you to kindly extend the date of submission of tender by at least three weeks after issue of corrigendum and drawings.	Not accepted. Tender conditions will prevail. Please also refer Sr No 45 of GENERAL ITEMS mentioned earlier in this

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S NO	ITEM	DECISION BY NMRCL
		corrigendum
27	<p>Cl.2.3.1 of Eligibility Criteria on Page 4 of 5 of Section 3 - Contracts of Similar Size and Nature:</p> <p>In the above clause, it has been stipulated that the Bidder should have satisfactorily completed in his own name or proportionate share as a member of a Joint Venture, at least one similar work of minimum value of 5200 Lakhs OR at least two similar works each of minimum value of 3200 Lakhs during the last 5 (five) years prior to the last stipulated date for submission of the Bid. Further the similar work is defined as "Any Civil engineering works for Metro involving construction of Earth Work, RCC works and / or Pre-stressed Concrete Work".</p> <p>To have healthy competition in bidding for the project, the criteria shall be modified as under:</p> <p>The bidder should have satisfactorily completed in his own name or proportionate share as a member of a Joint Venture, at least one similar work of minimum value equivalent to 60% of estimated cost of the work OR at least two similar works each of minimum value equivalent to 40% of the estimated cost of the work OR at least three similar works each of minimum value equivalent to 25% of the estimated cost of the work during the last 5 (five) years prior to the last stipulated date for submission of the Bid</p> <p>Further, the definition of the similar work shall be modified to:</p> <p>"Any civil engineering work such as Bridge / Road Over Bridge / Railway Over Bridge, involving construction of Earth Work, RCC works and / or Pre-stressed Concrete Work".</p>	Not accepted. Tender conditions will prevail.
28	<p>Note 2 on Page 5 of 5 of Section 3 :</p> <p>In the above note it has been mentioned that for Sub-Clause 2.2.2 Average Annual Construction Turnover, the Bidder should submit actual construction turnover figures for the specified financial years. For Evaluation purposes the figures of previous years shall be</p>	Not accepted. Tender conditions prevail.

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S NO	ITEM	DECISION BY NMRCL
	<p>updated @ 5% per year compounded annually based on Rupee value to bring them to the level on the financial year 2013-14.</p> <p>It shall also be made applicable for the value of the similar works completed and Turnover as well as value of similar work shall be updated @ 10% per year compounded annually based on Rupee value to bring them to the level on the financial year 2014-15.</p>	
29	The Unit mentioned in BOQ Section-III: NS Items Sr. No. 6 B may please be clarified whether it is 50000X 10 KM or KM/CUM	Refer Sr No 42 of GENERAL ITEMS mentioned earlier in this corrigendum
30	How long NMRCL will take to hand over the entire work site, please mention the date & period	Refer Section 7: Special Conditions of Contract, Part-A, Contract Data, S No. 8
31	Time for completion of 15 months is inclusive of Monsoon?	Yes.
32	Will NMRCL provide land for setting up of casting yard and camps at free of cost?	<p>NMRCL will spare 2Ha area within the depot boundary wall at a nominal rent of Rs. 10/- per sqm per year.</p> <p>No land will be provided for setting up of labour camps.</p>
33	It is requested to fix a basic price for cement with a provision of escalation/ de-escalation.	Refer Sr No 26 of GENERAL ITEMS mentioned earlier in this corrigendum
34	Escalation/ de-escalation to be provided on monthly basis.	Refer Section 6, GCC, p.60,61/76 Clause 11.20.2
35	<p>Ref. eligibility: 2.2.1</p> <p>Balance sheets 2011-12, 2012, 2013-14 is asked for. To demonstrate current soundness, we may be allowed to submit provisional balance sheet for 2014-2015 to satisfy the condition.</p>	Not accepted. Tender conditions prevail.
36	<p>Ref. eligibility: 2.2.2</p> <p>Whether Turnover for 2014-2015 is acceptable for calculation of min. Av. Annual turnover?</p>	Tender conditions prevail.
37	<p>Contract of similar size & nature</p> <p>Ref. eligibility : 2.3.1</p> <p>In case of J. V., it is mentioned that "The bidder should have satisfactorily completed in this name or proportional share as a member of JV-</p> <p>(i) At least one similar work of min value of 52 Cr.</p>	Tender conditions prevail.

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S NO	ITEM	DECISION BY NMRCL
	<p align="center">OR</p> <p>(ii) At least Two similar work of min value of 32 Cr. It is mentioned in column as "All partners combined" Whether for two similar works proportional share of each member of JV shall the considered. Eligibility criteria as per Railways system may please be adopted.</p>	
38	Bore data: Incomplete, borelog data may be provided for all locations	Required information is given in tender document.
39	<p>ITB: Clause 4.4 a, Page 5</p> <p>Existing Provisions The Bidder ----- is to be produced."</p> <p>Suggested Provisions The clause should be modified as " The bidder / any member of a JV should not have been under blacklisting and or banned for business by any Central/State Govt, Central/State Govt PSU, ULBs or autonomous bodies etc as on the date of submission of bid." Please confirm.</p>	<p>Refer corresponding para of tender document.</p> <p>Exception proviso in the paragraph covers the case.</p>
40	<p>ITB: Clause 4.4 g, Page 5</p> <p>Existing Provisions "The Bidder ----- submission of bids."</p> <p>Suggested Provisions The whole clause may please be deleted.</p>	<p>Amended clause to be read as under:</p> <p>"The bidder or its constituents is having more than 10 litigation cases in court against arbitration award in the last 10 years prior to deadline for submission of bids"</p> <p>S No. 9 of corresponding Affidavit (Section 4: Bidding Forms, p.5/30) to be modified accordingly.</p>
41	<p>ITB: Clause 2.2.3, Page 3 of 5</p>	<p>Not accepted.</p> <p>Please note that Minimum average Net</p>

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S NO	ITEM	DECISION BY NMRCL
	<p>Existing Provisions Net Worth</p> <p>Suggested Provisions Request you to kindly allow Bankers Certificate of line of credit specifically for the project in case of non compliance in Net Worth Requirement as is being adopted in DMRC and Kochi Metro Rail. PI Confirm.</p>	Worth (Total Assets- Total Liabilities) should not be less than INR 24.00 crores during EACH of the last three financial years i.e. 2011-12, 2012-13, 2013-14.
42	<p>ITB: Clause 2.3.1, Page 4 of 5</p> <p>Existing Provisions Specific Construction Experience</p> <p>Suggested Provisions i) May we request you to kindly replace the cum quantity of PSC girder to No of spans with minimum length of Girders / Segmental construction. PI Confirm.</p>	<p>Not accepted.</p> <p>However bidder may submit requisite information proving calculations with supported drawings duly certified by the bidder.</p>
43	<p>Section 5: Works Requirement Clause 9, Personnel</p> <p>Kindly review the experience criteria for Project Manager and make it 10 years in place of 15 years and 2 years in place of 3 years keeping in mind the size and complexities of this mainly at Grade Metro section.</p> <p>Kindly review the experience criteria for Dy Project Manager and make it 7 years in place of 10 years and 1 year in place of 2 years keeping in mind the size and complexities of this mainly at Grade Metro section.</p>	Not accepted. Tender conditions prevail.
44	<p>Section 5: Works Requirement Clause 10, Equipment</p> <p>We do not see the requirement of Hydraulic Rig for piling at all. Please review.</p>	<p>Please read: “2 sets of complete piling equipment for under reamed piles” In place of: “piling rigs hydraulic (for dia of pile up to 1200mm)”</p>

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CORRIGENDUM-1 DATED 2/5/15 TO Tender Notice No : T-20150417-1

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S NO	ITEM	DECISION BY NMRCL
45	<p>Section 5: Works Requirement Clause 10, Equipment Review the requirement of trailers for carrying precast girders/segments as it appears on higher side for a 500 M ROB.</p> <p>Review the Mobile crane requirement as well as all this will unnecessarily lead to increase in price.</p>	Please refer S No. 25 mentioned above.
46	<p>Section 6: GCC 11.20 p.59/76</p> <p>Price Variation Please confirm that the basis of index as issued of DG CPWD for reinforcement bars would remain the same during the currency of the contract. If a new vendor is accepted by CPWD during the currency of the contract, the index falls down drastically whereas the prices of the vendors such as SAIL, TISCO, RINL remains firm and leads to the loss to the contractor affecting the project schedule.</p>	Tender conditions prevail.
47	<p>Section 6: GCC 11.20 p.59/76</p> <p>Deviation rates for extra/new items of work Please confirm that the computation of extra item rate analysis will incorporate the time effect and the total duration of execution of extra item for all the component such as Material, labour and plant and Machinery etc. as escalation is not payable for extra items and substituted items.</p>	Please refer clause 11.20.1 of Section 6-GCC
48	<p>Section 7: Special Conditions of Contract</p> <p>Retention Money Kindly review the retention clause as the same is not there DMRC, KMRC and LMRC as all these clauses will add to the cost only.</p>	Tender conditions prevail.
49	Kindly confirm to provide a land parcel of 5 Acres for Contractors office, Stores, Steel Yard, Casting yard etc at the nearby place to the site.	Please refer S No 32.
50	Temporary Barricading as an item is not mentioned at any place in the BOQ and therefore	Refer Sr No 7 of GENERAL ITEMS

NAGPUR METRO RAIL CORPORATION LIMITED (NMRCL)

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S NO	ITEM	DECISION BY NMRCL
	during the execution of the contract if the same is required, it will paid to the contractor as an extra item.	mentioned earlier in this corrigendum
51	Being an item rate contract, the As-built drawings submission should not be in Contractor's scope. Please confirm.	Please refer Clause 11.1.4-K-v of Section 5, p. 126/174. Tender conditions prevail.
52	<p>The standard practice of DMRC is to accept 5% PBG from the contractor within 28 days and thereafter no retention from Contractor's RA Bill.</p> <p>The 2.5% of PBG is refunded at the time of completion of the project and balance 2.5% is refunded after the Defect liability period. Request you to kindly adopt the same.</p>	<p>Tender conditions regarding Performance Security and Retention Money prevail.</p> <p>Release of Performance Security and Retention Money will be as per Clause 4.2.2, Section 6 of GCC (p. 17/76) and Clause 11.5, Section 6 of GCC (p.54/76)</p>

NAGPUR METRO RAIL CORPORATION LIMITED (NMRCL)

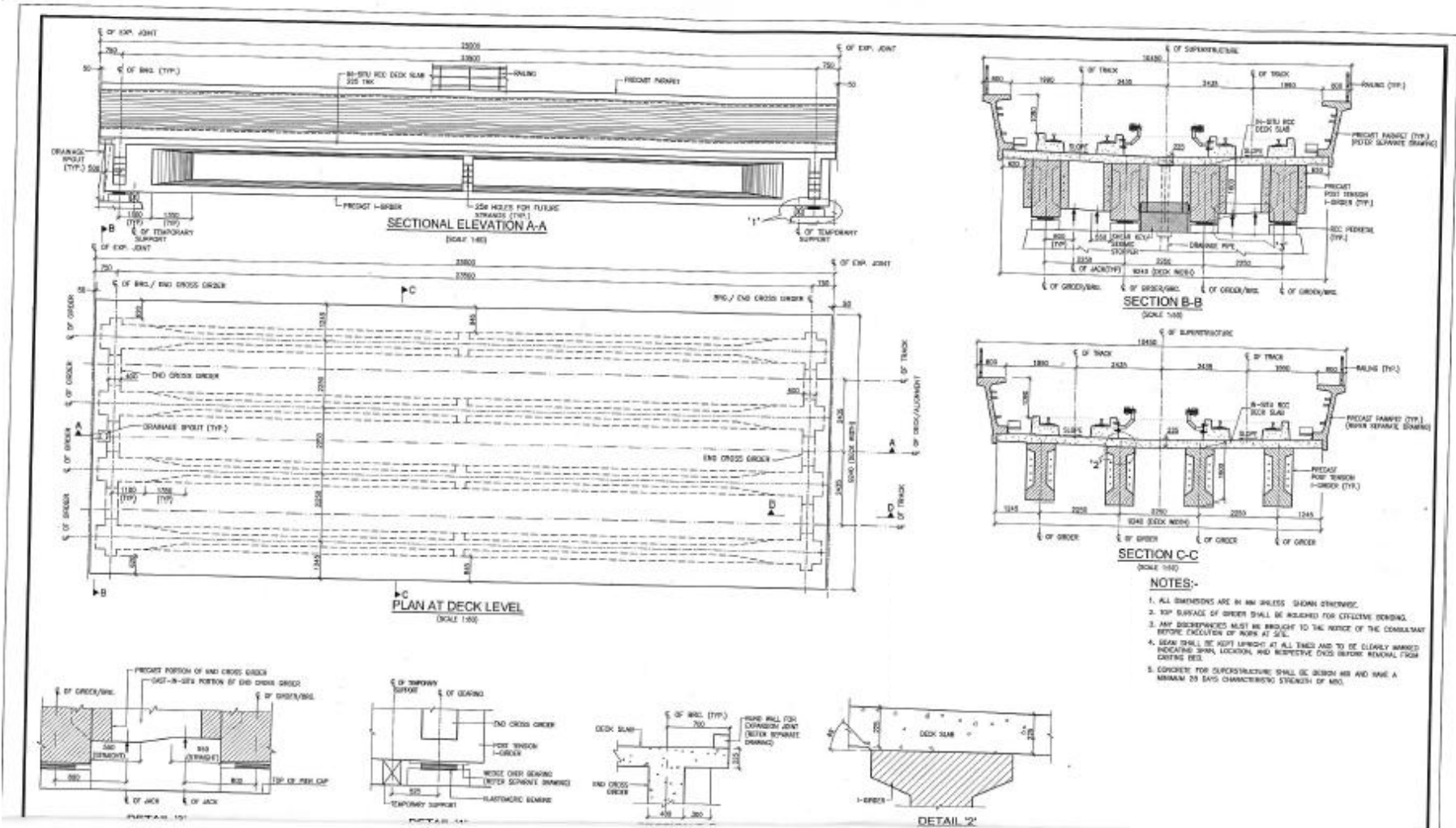
CORRIGENDUM-1 DATED 2/5/15 TO Tender Notice No : T-20150417-1

NAME OF WORK

CONSTRUCTION OF BRIDGES (INCLUDING RAIL-OVER-BRIDGE OVER CONCOR SIDING AT KHAPRI), RETAINING WALLS, BOUNDARY WALLS AND EARTHWORK IN DEPOT AND AT-GRADE SECTION BETWEEN CH 14200 - CH. 21604.5 IN AIRPORT-KHAPARI-MIHAN DEPOT SECTION ON NORTH – SOUTH CORRIDOR OF NAGPUR METRO RAIL PROJECT

Annexure A1

TYPICAL ARRANGEMENT OF I SECTION GIRDER USED IN VIADUCT



TENTATIVE DRAWING ONLY FOR TENDER PURPOSE

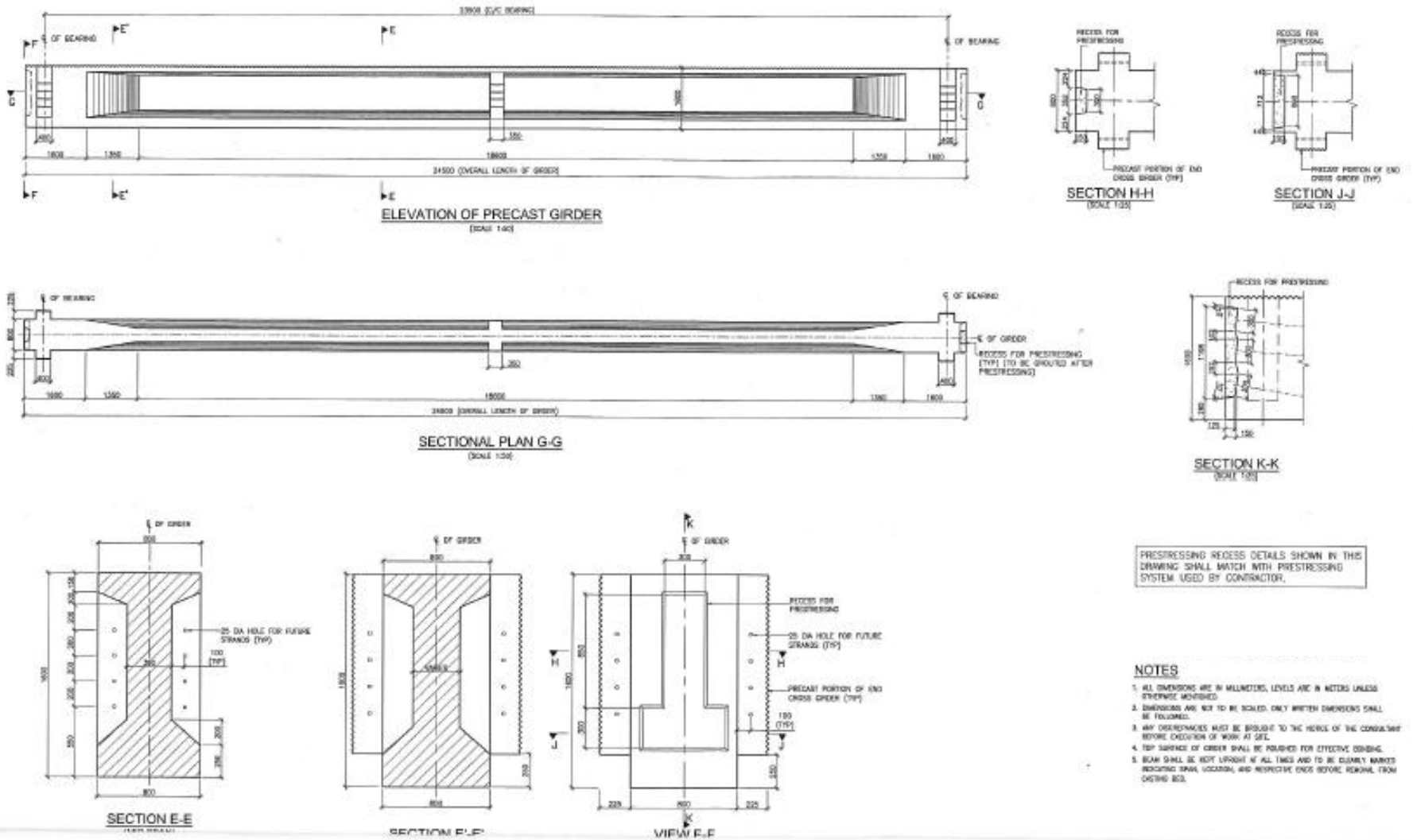
NAGPUR METRO RAIL CORPORATION LIMITED (NMRC)

CORRIGENDUM-1 DATED 2/5/15 TO Tender Notice No : T-20150417-1

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Annexure A2

TYPICAL ARRANGEMENT OF I SECTION GIRDER USED IN VIADUCT



TENTATIVE DRAWING ONLY FOR TENDER PURPOSE

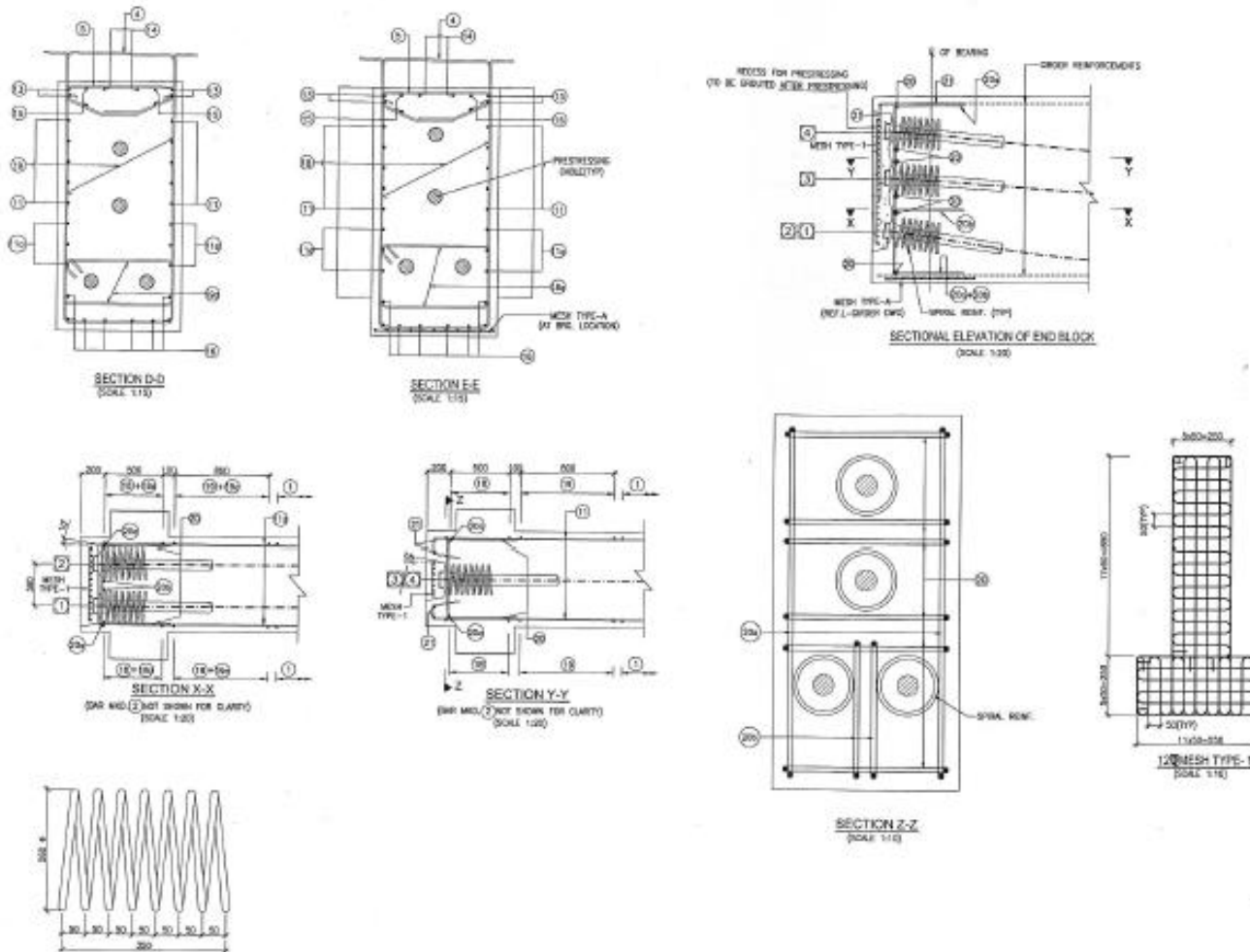
NAGPUR METRO RAIL CORPORATION LIMITED (NMRC)

CORRIGENDUM-1 DATED 2/5/15 TO Tender Notice No : T-20150417-1

NAME OF WORK	CONSTRUCTION OF BRIDGES (INCLUDING RAIL-OVER-BRIDGE OVER CONCOR SIDING AT KHAPRI), RETAINING WALLS, BOUNDARY WALLS AND EARTHWORK IN DEPOT AND AT-GRADE SECTION BETWEEN CH 14200 - CH. 21604.5 IN AIRPORT-KHAPARI-MIHAN DEPOT SECTION ON NORTH – SOUTH CORRIDOR OF NAGPUR METRO RAIL PROJECT
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Annexure A3

TYPICAL ARRANGEMENT OF I SECTION GIRDER USED IN VIADUCT



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE MENTIONED.
2. DONOT SCALE THE DRAWING DIMENSIONS SHOWN SHALL BE FOLLOWED.
3. ANY DISCREPANCY MUST BE BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE EXECUTION OF WORK AT SITE.
4. ANCHORAGE RECESSES SHALL BE SEALED WITH PROPRIETARY NON-SHRINK MORTAR. END FACES OF GIREDER TO BE COATED WITH TWO COATES OF EPOXY.

DIAMETER AND DIMENSIONS OF SPIRAL REINFORCEMENT SHALL BE CONFIRMED BY PRESTRESSING SYSTEM SUPPLIER

TENTATIVE DRAWING ONLY FOR TENDER PURPOSE

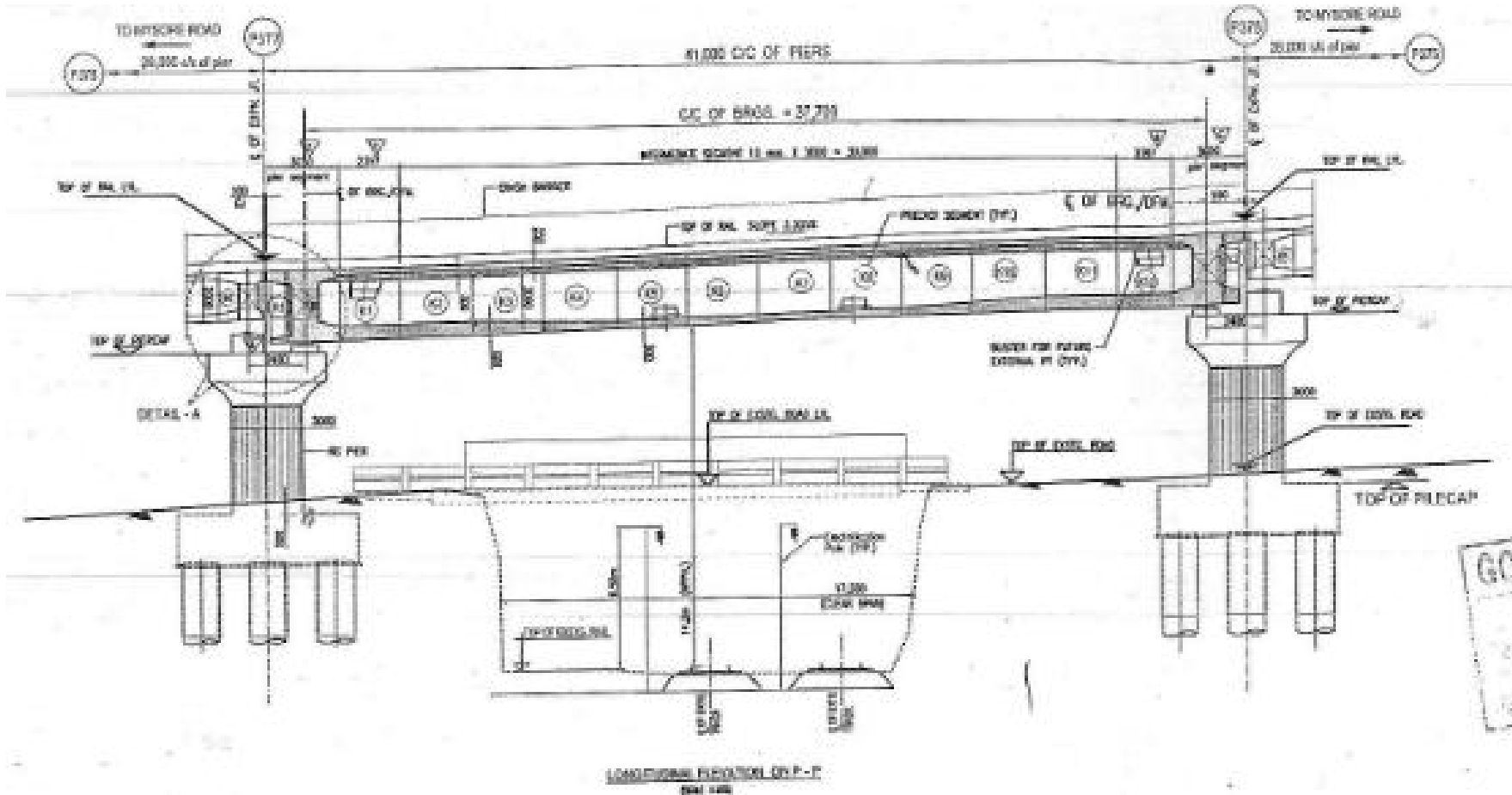
NAGPUR METRO RAIL CORPORATION LIMITED (NMRCL)

CORRIGENDUM-1 DATED 2/5/15 TO Tender Notice No : T-20150417-1

NAME OF WORK	CONSTRUCTION OF BRIDGES (INCLUDING RAIL-OVER-BRIDGE OVER CONCOR SIDING AT KHAPRI), RETAINING WALLS, BOUNDARY WALLS AND EARTHWORK IN DEPOT AND AT-GRADE SECTION BETWEEN CH 14200 - CH. 21604.5 IN AIRPORT-KHAPARI-MIHAN DEPOT SECTION ON NORTH – SOUTH CORRIDOR OF NAGPUR METRO RAIL PROJECT
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Annexure A4

TYPICAL ARRANGEMENT OF 41M BOX GIRDER USED IN VIADUCT



TENTATIVE DRAWING ONLY FOR TENDER PURPOSE

NAGPUR METRO RAIL CORPORATION LIMITED (NMRCL)

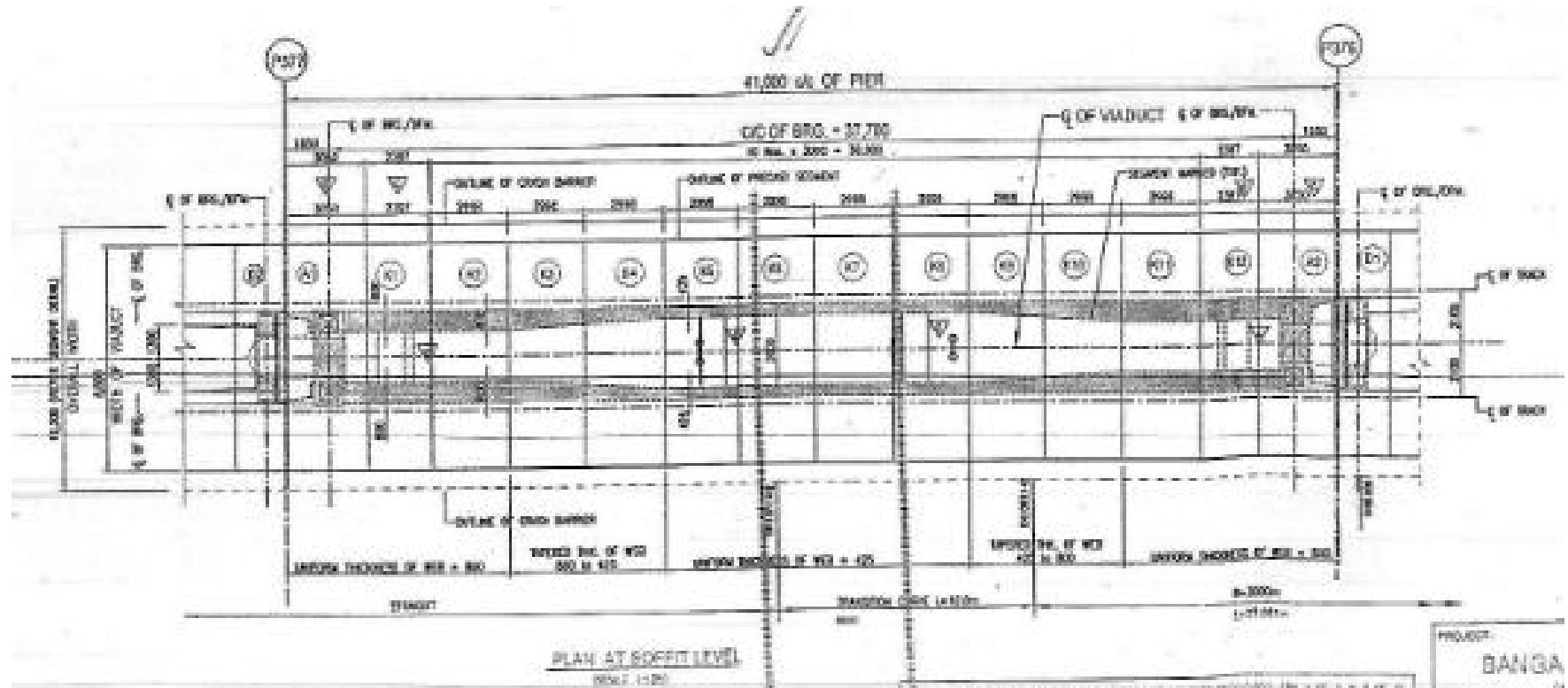
CORRIGENDUM-1 DATED 2/5/15 TO Tender Notice No : T-20150417-1

NAME OF WORK

CONSTRUCTION OF BRIDGES (INCLUDING RAIL-OVER-BRIDGE OVER CONCOR SIDING AT KHAPRI), RETAINING WALLS, BOUNDARY WALLS AND EARTHWORK IN DEPOT AND AT-GRADE SECTION BETWEEN CH 14200 - CH. 21604.5 IN AIRPORT-KHAPARI-MIHAN DEPOT SECTION ON NORTH – SOUTH CORRIDOR OF NAGPUR METRO RAIL PROJECT

Annexure A5

TYPICAL ARRANGEMENT OF 41M BOX GIRDER USED IN VIADUCT



TENTATIVE DRAWING ONLY FOR TENDER PURPOSE

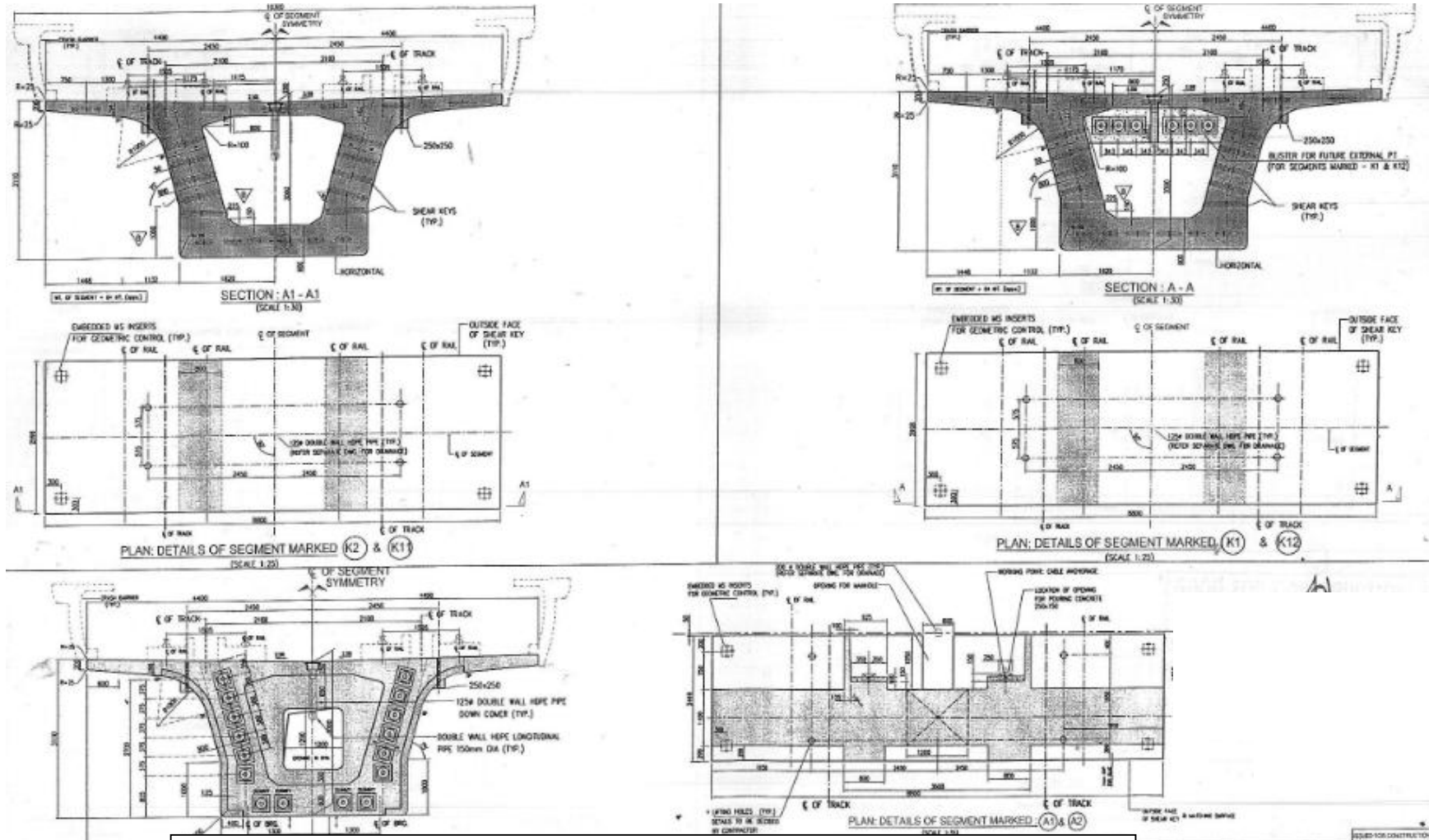
NAGPUR METRO RAIL CORPORATION LIMITED (NMRCL)

CORRIGENDUM-1 DATED 2/5/15 TO Tender Notice No : T-20150417-1

NAME OF WORK	CONSTRUCTION OF BRIDGES (INCLUDING RAIL-OVER-BRIDGE OVER CONCOR SIDING AT KHAPRI), RETAINING WALLS, BOUNDARY WALLS AND EARTHWORK IN DEPOT AND AT-GRADE SECTION BETWEEN CH 14200 - CH. 21604.5 IN AIRPORT-KHAPARI-MIHAN DEPOT SECTION ON NORTH – SOUTH CORRIDOR OF NAGPUR METRO RAIL PROJECT
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Annexure A6

TYPICAL ARRANGEMENT OF 41M BOX GIRDER USED IN VIADUCT



TNTATIVE DRAWING ONLY FOR TENDER PURPOSE

NAGPUR METRO RAIL CORPORATION LIMITED (NMRLC)	
CORRIGENDUM-1 DATED 2/5/15 TO Tender Notice No : T-20150417-1	
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Annexure A7

ALIGNMENT OF AT GRADE PORTION FROM CH 14200 TO CH 21604

