

**Corrigendum No.4****I. Corrigendum in Technical BID Packet A –**

S.N O	CHAPTER /PARA NO.& PAGE NO OF THIS TENDER DOCUMENT	DESCRIPTION /HEADING REQUIRING CORRECTION	DETAILS AS PUBLISHED	DETAILS MODIFIED
1.	Part I General Important instructions to bidders (ITB) Para 7at page 4	Para 7	Tenderer should submit the Tender Document cost and original EMD in Chief Project Manager-Vadodara's Office on/or before date <b>07.06.2017 up to 13.00 hrs.</b> duly mentioning the tender reference on the envelope. Scanned copy of Tender Document cost, EMD to be submitted with online tender. In case Tender Document cost, original EMD not received by the date <b>07.06.2017 up to 13.00 hrs</b> offer will be summarily rejected.	Tenderer should submit the Tender Document cost and original EMD in Chief Project Manager-Vadodara's Office on/or before date <b>07.06.2017 up to 13.00 hrs.</b> duly mentioning the tender reference on the envelope. Scanned copy of Tender Document cost, EMD to be submitted with online tender. In case Tender Document cost, original EMD not received by the date <b>07.06.2017 up to 13.00 hrs</b> offer will be summarily rejected.
2	Part I General Important instructions to bidders (ITB) Para 8 at page 4	Para 8	The following statutory documents are to be submitted in physical form on/or before the date <b>07.06.2017 up to 13.00 hrs</b> in enclosed envelope duly mentioning the tender reference, Otherwise, the offer of the tender shall be considered as invalid offer.	The following statutory documents are to be submitted in physical form on/or before the date <b>07.06.2017 up to 13.00 hrs</b> in enclosed envelope duly mentioning the tender reference, Otherwise, the offer of the tender shall be considered as invalid offer
3	Part I General Important instructions to bidders (ITB) Para 20 at page 7	First sentence of "Bid submission process" of Para 20	The tender documents i.e. Technical Bid and Financial Bid with statutory documents should be submitted through online mode in website <a href="http://www.tenderwizard.com/DFCCIL">www.tenderwizard.com/DFCCIL</a> only. Upto11.00Hrs on <b>29.05.2017</b> . The " <b>Packet - A (TECHNICAL BID)</b> " will be opened at <b>15.00Hrs</b> on <b>07.06.2017</b> .	The tender documents i.e. Technical Bid and Financial Bid with statutory documents should be submitted through online mode in website <a href="http://www.tenderwizard.com/DFCCIL">www.tenderwizard.com/DFCCIL</a> only. Upto15.00Hrs on <b>02.06.2017</b> . The " <b>Packet - A (TECHNICAL BID)</b> " will be opened at <b>15.00Hrs</b> on <b>07.06.2017</b> .

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4	Part I General Important instructions to bidders (ITB) Para 20.3 at page 8	First Sentence of Para 20.3	The Bidder should submit the original EMD, Tender Document Fees in <b>Chief Project Manager/Vadodara's Office up to 13.00hrs on 07.06.2017.</b>	The Bidder should submit the original EMD, Tender Document Fees in <b>Chief Project Manager/Vadodara's Office up to 13.00hrs on 07.06.2017.</b>
5	Part I General Important instructions to bidders (ITB) Para 20.4 at page 8	Para 20.4	Tenderer should submit the originals of statutory documents and other documents in Chief Project Manager/ <b>Vadodara's Office up to 13.00 hrs on 07.06.2017.</b>	Tenderer should submit the originals of statutory documents and other documents in Chief Project Manager/ <b>Vadodara's Office up to 13.00 hrs on 07.06.2017.</b>
6	Part I General Important instructions to bidders (ITB) Para 21 at page 8	First sentence of "Opening of The Tender "	The "Packet-A (TECHNICAL BID)" will be opened online at <b>15.00Hrs on 07.06.2017</b> at the address mentioned in "Notice Inviting tender "and read out in the presence of such tenderer(s) as is/ are present.	The "Packet-A (TECHNICAL BID)" will be opened online at <b>15.00Hrs on 07.06.2017</b> at the address mentioned in "Notice Inviting tender "and read out in the presence of such tenderer(s) as is/ are present.
7	Part I – Chapter I para 1.1.3 at page 11		The Tender document can be downloaded from DFCCIL's website <a href="http://www.dfccil.gov.in">www.dfccil.gov.in</a> , <a href="http://www.tenderwizard.com/DFCCIL">www.tenderwizard.com/DFCCIL</a> and Central Procurement Portal, <a href="http://eprocure.gov.in">eprocure.gov.in</a> . <b>from 16.00 hrs on 17.04.2017 to 13.00 hrs on 29.05.2017.</b>	The Tender document can be downloaded from DFCCIL's website <a href="http://www.dfccil.gov.in">www.dfccil.gov.in</a> , <a href="http://www.tenderwizard.com/DFCCIL">www.tenderwizard.com/DFCCIL</a> and Central Procurement Portal, <a href="http://eprocure.gov.in">eprocure.gov.in</a> . <b>from 16.00 hrs on 17.04.2017 to 13.00 hrs on 02.06.2017.</b>
8	Part I – Chapter I para 1.1.4 at page 11	First sentence of para 1.1.4	DFCCIL may issue addendum(s)/corrigendum(s) to the tender documents. In such case, the addendum(s)/corrigendum(s) shall be issued and placed on website <a href="http://www.dfccil.gov.in">www.dfccil.gov.in</a> , <a href="http://www.tenderwizard.com/DFCCIL">www.tenderwizard.com/DFCCIL</a> and <a href="http://portal.eprocure.gov.in">central procurement portal.eprocure.gov.in</a> up to 20.05.2017.	DFCCIL may issue addendum(s)/corrigendum(s) to the tender documents. In such case, the addendum(s)/corrigendum(s) shall be issued and placed on website <a href="http://www.dfccil.gov.in">www.dfccil.gov.in</a> , <a href="http://www.tenderwizard.com/DFCCIL">www.tenderwizard.com/DFCCIL</a> and <a href="http://portal.eprocure.gov.in">central procurement portal.eprocure.gov.in</a> up to 31.05.2017.

S.N O	CHAPTER /PARA NO.& PAGE NO OF THIS TENDER DOCUMENT	DESCRIPTION /HEADING REQUIRING CORRECTION	DETAILS AS PUBLISHED	DETAILS MODIFIED
9	Details of Time Schedule- part I chapter II General Information Data Sheet at page-15	Documents download/ date (Online) Sell	<b>From 17.04.2017 at 16.00 Hrs. To 29.05.2017 at 13.00 Hrs.</b>	<b>From 17.04.2017 at 16.00 Hrs. To 02.06.2017 at 13.00 Hrs.</b>
10		Bid submission Last date (Online)	<b>29.05.2017 up to 15.00 Hrs.</b>	<b>02.06.2017 up to 15.00 Hrs.</b>
11		Last date of submission of originals of statutory documents i.e. EMD & Tender Document Charge	<b>07.06.2017 up to 13.00 Hrs.</b>	<b>07.06.2017 up to 13.00 Hrs.</b>
12		Bid Opening date & Time (online)	<b>07.06.2017 at 15.00 Hrs.</b>	<b>07.06.2017 at 15.00 Hrs.</b>
13	PART- Chapter-III- Preamble & General Instruction to Tenderers at Page 22	I- Last Para of Sub heading " (B) Form of Tender"	<b>Any tender received through online e-tender later than the time and date of submission of tenders i.e. 15.00 hrs on 29.05.2017 shall be rejected and unopened</b>	<b>Any tender received through online e-tender later than the time and date of submission of tenders i.e. 15.00 hrs on 02.06.2017 shall be rejected and unopened</b>
14	PART- Chapter-III- Preamble & General Instruction to Tenderers para 1.3.4.4 at Page 24	I- Third & Fifth sentence of Para 1.3.4.4 of Sub heading "cost of tender documents downloaded from internet.	Tenderer should submit the Tender Document cost in physical form in Chief Project Manager/Vadodara's Office on/or before date 07.06.2017 up to 13.00 hrs duly mentioning the tender reference on the envelope. <b>Scanned copy of Tender Document cost, EMD to be submitted with online tender.</b> In case tender document cost & original EMD not received by the date 07.06.2017 up to 13.00 hrs, offer will be summarily rejected.	Tenderer should submit the Tender Document cost in physical form in Chief Project Manager/Vadodara's Office on/or before date 07.06.2017 up to 13.00 hrs duly mentioning the tender reference on the envelope. <b>Scanned copy of Tender Document cost, EMD to be submitted with online tender.</b> In case tender document cost & original EMD not received by the date 07.06.2017 up to 13.00 hrs, offer will be summarily rejected.
14	PART- Chapter-III- Preamble & General Instruction to Tenderers, Para 1.3.4.6 at Page 25	I- Last Sentence of Para 1.3.4.6	EMD, Tender Fee and other statutory documents received after 13.00 hrs on 07.06.2017 shall not be considered. EMD, Tender Fee and other statutory documents delivered or sent otherwise will be at the risk of the tenderers.	EMD, Tender Fee and other statutory documents received after <b>13.00 hrs on 07.06.2017</b> shall not be considered. EMD, Tender Fee and other statutory documents delivered or sent otherwise will be at the risk of the tenderers.

S.N O	CHAPTER /PARA NO.& PAGE NO OF THIS TENDER DOCUMENT	DESCRIPTION /HEADING REQUIRING CORRECTION	DETAILS AS PUBLISHED	DETAILS MODIFIED
15	PART-I- Chapter- III- Preamble & General Instruction to Tenderers, Para 1.3.5 at Page 27	First Line sub para (a) of Para 1.3.5 – “Opening of Tenders”	Tender will be opened on line at 15.00 hrs on 07.06.2017,	Tender will be opened on line at 15.00hrs on 07.06.2017,
16	PART- I- Chapter-III- Preamble & General Instruction to Tenderers, Para 1.3.5 at Page 27	First sentence of Sub para (b) of Para 1.3.5- “Opening of Tender”	The outer sealed covers EMD, Tender Fee, Form 1,2A, 2B and 2C with other statutory documents shall be opened <b>at 15.00 hrs on 07.06.2017.</b>	The outer sealed covers EMD, Tender Fee, Form 1,2A, 2B and 2C with other statutory documents shall be opened <b>at</b> <b>15.00 hrs on 07.06.2017.</b>
17	PART- I- Chapter-III- Preamble & General Instruction to Tenderers, Para 1.3.8 at Page 31	Last Line of sub para (f) of Para 1.3.8 – “Earnest Money”	.... on or before 13.00 hrs on 07.06.2017.	..... on or before <b>13.00 hrs on</b> <b>07.06.2017.</b>

**I. Corrigendum in Financial BID Packet B –**

DATE & TIME SCHEDULE		
Details of Time Schedule	Dates Published Earlier	Dates Extended
Documents download/Sell date (Online)	<b>From 17.04.2017 at 16.00 Hrs. To 29.05.2017 at 11.00 Hrs.</b>	<b>From 17.04.2017 at 16.00 Hrs. To 02.06.2017 at 13.00 Hrs.</b>
Bid submission Last date (Online)	<b>29.05.2017 up to 15.00 Hrs.</b>	<b>02.06.2017 up to 15.00 Hrs.</b>
Last date of submission of originals of statutory documents i.e. EMD & Tender Document Charge	<b>07.06.2017 up to 13.00 Hrs.</b>	<b>07.06.2017 up to 13.00 Hrs.</b>
Bid Opening date & Time (online)	<b>07.06.2017 at 15.00 Hrs.</b>	<b>07.06.2017 at 15.00 Hrs.</b>

**II. Corrigendum in Financial BID Packet B –****e-Tender No. BRC/EN/ROB/LC-153 Dated.15.04.2017**

Sub Heading Under Schedule -1 (of Financial Bid Packet -B Page No.6)- "SCHEDULE OF PRICES & TOTAL PRICES" shall Be Replaced with "SCHEDULE OF QUANTITIES & TOTAL PRICE"

**SCHEDULE-A :**

Following Corrigendum are made in the Schedule-A at page 6 to 12 of Financial Bid Packet - B of this tender.

S.NO	ITEM NO	SUB HEAD OF SCHEDULE REQUIRING CORRECTION	DETAILS AS PUBLISHED	DETAILS MODIFIED
1.	26B004E Sr No 14	Item No	26B004E	26B004B
2.		Item of Work	Earth work for embankment including breaking clods dressing with all lead and lift and including watering, rolling and consolidation of subgrade in layers at O.M.C. to required dry density including filling depression which occur during process using vibratory roller 8 T to 10T (from borrow area within 5km lead)	Earth work for embankment <b>with soil having CBR-7</b> including breaking clods dressing with all lead and lift and including watering, rolling and consolidation of subgrade in layers at O.M.C. to required dry density including filling depression which occur during process using vibratory roller 8 T to 10T (from borrow area within 5km lead)

**SCHEDULE-B :**

Following Corrigendum are made in the Schedule-B. at page 13 to 18 of Financial Bid Packet -B of this tender.

S.NO	ITEM NO	SUB HEAD OF SCHEDULE REQUIRING CORRECTION	DETAILS AS PUBLISHED	DETAILS MODIFIED
1.	NS/03 At Sr.3	Item of Work	Providing and casting in situ controlled cement concrete <b>M-35 for RCC bored pile from 1.20 m. dia. using Tremie Pipe</b> including necessary flushing, dewatering, formwork, mixing in mechanised batch mix plant, transporting, compacting, and finishing including all leads & lifts with all labour, material, machinery, all lead, lift etc. complete as per specification, drawing and/or as directed by the Engineer.	Providing and casting in situ controlled cement concrete <b>M-35 for RCC bored pile from 1.20 m. dia. using Tremie Pipe</b> including necessary flushing, dewatering, formwork, mixing in mechanised batch mix plant, transporting, compacting, and finishing including all leads & lifts with all labour, material, machinery, all lead, lift etc. complete as per specification, drawing and/or as directed by the Engineer. (Reinforcement shall be paid separately)
2.	NS/04 At Sr.4	Item of Work	Providing and casting in-situ controlled cement concrete of <b>M35 grade for RCC work for Pile cap ,pier, abutment, RCC Stair Case &amp; retaining walls foundations</b> with 20/40mm down coarse aggregate of the required size for any depth including dewatering, scaffolding centring, shuttering, mixing, placing in position, consolidating with mechanical vibrators, curing, de shuttering carefully, making good the damages, fixing embedment, inserts, pockets, wherever necessary as per specification and drawing.	Providing and casting in-situ controlled <b>cement concrete of M35 grade for RCC work for Open Foundation, Pile cap in Pier/Abutment and RCC Stair Case</b> for any depth/ height including dewatering, scaffolding centring, shuttering, mixing in mechanised batch mix plant, transporting, placing in position, consolidating with mechanical vibrators, finishing, curing, de-shuttering carefully, making good the damages, fixing embedment, inserts, pockets wherever necessary etc. with all labour, material, machinery, all lead, lift etc. complete as per specification, drawing and/or as directed by the Engineer. (Reinforcement shall be paid separately)

S.NO	ITEM NO	SUB HEAD OF SCHEDULE REQUIRING CORRECTION	DETAILS AS PUBLISHED	DETAILS MODIFIED
3.	NS/05 At.Sr.5	Item of Work	Providing and casting in situ controlled cement <b>M35 for RCC work in piers and abutment return wall</b> as per drawing including centring shuttering scaffolding where necessary laying vibrating curing and finishing complete. A) height from 0.0 to 5.0 m	Providing and casting in situ controlled <b>cement M35 for RCC work in piers, abutment and return wall</b> including scaffolding centring, shuttering, mixing in mechanised batch mix plant, transporting, placing in position, consolidating with mechanical vibrators, finishing, curing, de-shuttering carefully, making good the damages, fixing embedment, inserts, pockets wherever necessary etc. with all labour, material, machinery, all lead, lift etc. complete as per specification, drawing and/or as directed by the Engineer. A) height from <b>0.0 to 5.0 m</b> (Reinforcement shall be paid separately)
4.	NS/06 At Sr. 6	Item of Work	Providing and casting in situ controlled cement <b>M35 for RCC work in piers and abutment return wall</b> as per drawing including centring shuttering scaffolding where necessary laying vibrating curing and finishing complete. A) height from 5m to 10.0 m	Providing and casting in situ controlled <b>cement concrete M35 for RCC work in piers, abutment and return walls</b> including scaffolding centring, shuttering, mixing in mechanised batch mix plant, transporting, placing in position, consolidating with mechanical vibrators, finishing, curing, de-shuttering carefully, making good the damages, fixing embedment, inserts, pockets wherever necessary etc. with all labour, material, machinery, all lead, lift etc. complete as per specification, drawing and/or as directed by the Engineer. A) height from <b>5m to 10.0 m</b> (Reinforcement shall be paid separately)
5.	NS/07 at Sr 7.	Total quantity	1070.1	1066
		Amount in Rs	4341145.297	4324516.82
		Item of Work	Providing and casting in situ controlled cement concrete <b>M35 for RCC works on pier cap abutment cap and dirt wall</b> including controlled cement concrete or pedestals of	Providing and casting in situ controlled <b>cement concrete M35 for RCC works on pier cap, abutment cap and dirt wall</b> including scaffolding centring, shuttering, mixing in

S.NO	ITEM NO	SUB HEAD OF SCHEDULE REQUIRING CORRECTION	DETAILS AS PUBLISHED	DETAILS MODIFIED
			required drawings, centring shuttering, scaffolding wherever necessary laying vibrating curing and finishing complete.	mechanised batch mix plant, transporting, placing in position, consolidating with mechanical vibrators, finishing, curing, de-shuttering carefully, making good the damages, fixing embedment, inserts, pockets wherever necessary etc. with all labour, material, machinery, all lead, lift etc. complete as per specification, drawing and/or as directed by the Engineer. (Reinforcement shall be paid separately)
12.	NS/08 At Sr 8.	Total Quantity	28	32.1
		Amount in Rs	127039.416	145641.552
13.		Item of Work	providing and casting in situ controlled cement concrete <b>M35 for RCC works on pier cap abutment cap and dirt wall</b> including controlled cement concrete or pedestals of required drawings, centring shuttering, scaffolding wherever necessary laying vibrating curing and finishing complete.	Providing and casting in situ controlled cement <b>M40 for RCC works for Pedestals, seismic arresters on pier cap/ abutment cap</b> including scaffolding centring, shuttering, mixing in mechanised batch mix plant, transporting, placing in position, consolidating with mechanical vibrators, finishing, curing, de-shuttering carefully, making good the damages, fixing embedment, inserts, pockets wherever necessary etc. with all labour, material, machinery, all lead, lift etc. complete as per specification, drawing and/or as directed by the Engineer. (Reinforcement shall be paid separately)
14.	NS/09 At Sr.9	Total Quantity	3045	3268
		Amount in Rs	13491384.06	14479429.56
15.		Item of Work	Providing and casting in situ controlled cement concrete <b>M-35 for R.C.C. work in superstructure</b> including centring, shuttering scaffolding, ramming, vibrating curing and finishing complete. <b>(A) T-Beam and Deck slab type of superstructure. (II) Main and cross Girder.</b>	Providing and casting in situ controlled cement <b>concrete M-35 for R.C.C. work in superstructure</b> including scaffolding centring, shuttering, mixing in mechanised batch mix plant, transporting, placing in position, consolidating with mechanical vibrators, finishing, curing, de-shuttering carefully,



S.NO	ITEM NO	SUB HEAD OF SCHEDULE REQUIRING CORRECTION	DETAILS AS PUBLISHED	DETAILS MODIFIED
				making good the damages, fixing embedment, inserts, pockets wherever necessary etc. with all labour, material, machinery, all lead, lift etc. complete as per specification, drawing and/or as directed by the Engineer. <b>(A) T-Beam and Deck slab type of superstructure. (II) Main and cross Girder</b> (Reinforcement shall be paid separately)
16.	NS/10 At Sr.10	Rate	3991.22	4111.31
		Total quantity	254	99.992
		Amount	1013769.118	411098.11
17.		Item of Work	Providing and casting in-situ controlled cement <b>concrete of M-35 grade</b> with minimum cement content 420kg/cum without admixture as per IS-456-2000, reinforcement cement concrete with 20mm downgraded crushed stone aggregates of required size in super structure for <b>approach slab</b> including required formwork, shuttering and supporting arrangement (excluding cost of reinforcement) and transporting concrete from batching plant by transit mixture placing it in position, compacting with needle vibrator including curing with all labour, material, machinery all lead, lift etc. complete as per drawing and technical specification of MORTH & as directed by Engineer In charge.	Providing and casting in-situ controlled cement <b>concrete of M-30 grade</b> with minimum cement content 420kg/cum without admixture as per IS-456-2000, reinforcement cement concrete with 20mm downgraded crushed stone aggregates of required size in super structure <b>for approach slab and wearing coat</b> including required formwork, shuttering and supporting arrangement and transporting concrete from batching plant by transit mixture placing it in position, compacting with needle vibrator including curing with all labour, material, machinery, all lead, lift etc. complete as per drawing and technical specification of MORTH & as directed by Engineer. (Reinforcement shall be paid separately)
	NS/11 At Sr. 11	Rate	4111.31	4050.10
		Total quantity	95	1608
		Amount in Rs	390574.07	6512560.80
18.	NS/12 At Sr.12	Rate	4050.10	182.81
		Total quantity	1608	16638.45
		Amount in Rs	6512560.8	3041675.04
19.	NS/13 At Sr.13	Rate	182.81	9065.76
		Total quantity	16682	217.2
		Amount in Rs	3049636.42	1969083.072
20.	NS/14 At Sr.14	Rate	9065.76	3884.16

S.NO	ITEM NO	SUB HEAD OF SCHEDULE REQUIRING CORRECTION	DETAILS AS PUBLISHED	DETAILS MODIFIED
	NS/14 At Sr. 14	Total quantity	217.2	0.12
		Amount in Rs	1969083.07	466.10
21.	NS/15 At Sr.15	Rate	3884.16	5836.25
		Total quantity	0.12	3688
		Amount in Rs	466.09884	21524090
22.	NS/16	Rate	5836.25	878.70
23.	At Sr.16	Total Quantity	3688	6982.26
24.		Amount in Rs.	21524107.33	6135311.86
25.	NS/17	Rate	878.70	953.44
26.	At Sr.17	Total Quantity	6982.26	5342.19
27.		Amount in Rs.	6135311.862	5093457.63
28.	NS/18	Rate	953.44	20.81
	At Sr.18	Total Quantity	5342.19	24131.05
		Amount in Rs.	5093457.634	502167.06
29.	NS/19	Rate	20.81	1996.77
30.	At Sr.19	Total Quantity	24130.95	3566
31.		Amount in Rs.	502068.545	7120481.82
32.	NS/20	Rate	1996.77	2209.88
33.	At Sr. 20	Total Quantity	3566	2017
34.		Amount in Rs.	7120481.82	4457327.96
35.	NS/21	Rate	2209.88	3884.16
	At Sr. 21	Total Quantity	2017	2.8592
		Amount in Rs.	4457327.96	1105.59
36.	NS/22 At Sr. 22	Rate	3991.22	379.76
		Total Quantity	0	3833
		Amount in Rs.	0	1455620.28
37.	NS/23 At Sr. 23	Rate	379.76	615.09
		Total Quantity	3833	13703
		Amount in Rs.	1455620	8428578.27
38.	NS/24	Rate	615.09	103.02
39.	At Sr. 24	Total Quantity	13703	6647
40.		Amount in Rs.	8428578.27	684773.94

**SCHEDULE-C :**

Following Corrigendum are made in the Schedule-C at page 19 to 20 of Financial Bid Packet -B of this tender.

S.NO	ITEM NO	SUB HEAD OF SCHEDULE REQUIRING CORRECTION	DETAILS AS PUBLISHED	DETAILS MODIFIED
1.	27047A At Sr.3	Rate	38660.78	38606.24
2.		Total Quantity	290.60	290.7
3.		Amount in Rs	11234822.67	11222833.97
4.	27109 At Sr.4	Total Quantity	84.01	166.17
5.		Amount in Rs	3828775.912	75733237.63
6.		Item of Work	Providing and fixing in position Fe steel bar reinforcement of steel bar reinforcement of steel grade Fe-500 TMT including cutting, bending, hooking and tying and welding etc., complete as per detailed drawing and specifications. (A) Abutment Cap and Dirt wall (B) Abutment Pier & Retaining Wall	Providing and fixing in position Fe steel bar reinforcement of steel bar reinforcement of steel grade Fe-500 TMT including cutting, bending, hooking and tying and welding etc., complete as per detailed drawing and specifications. (A) Pier (B) Abutment (C) Return wall etc.
7.	27111	Rate	45576.25	45575.24
8.	At Sr.5	Total Quantity	304.80	222.91
9.		Amount in Rs	13891641	10159176.75
10		Item of Work	Providing and fixing in position Fe steel bar reinforcement of steel bar reinforcement of steel grade Fe-500 TMT including cutting, bending, hooking and tying and welding etc., complete as per detailed drawing and specifications. (A) Pier cap (B) Abutment Cap (C) Pedestal & Seismic Arrester	Providing and fixing in position Fe steel bar reinforcement of steel bar reinforcement of steel grade Fe-500 TMT including cutting, bending, hooking and tying and welding etc., complete as per detailed drawing and specifications. (A) Pier cap (B) Abutment Cap & Dirt wall (C) Pedestal & Seismic Arrester
11.	27115 At Sr.6	Item of Work	Providing and fixing in position Fe steel bar reinforcement of steel bar reinforcement of steel grade Fe-500 TMT including cutting, bending, hooking and tying and welding etc., complete as per detailed drawing and specifications. (B) T. Beam and slab type of (i) Deck slab superstructure. (ii) Main and cross girder.	Providing and fixing in position Fe steel bar reinforcement of steel bar reinforcement of steel grade Fe-500 TMT including cutting, bending, hooking and tying and welding etc., complete as per detailed drawing and specifications. (B) T. Beam and slab type of (i) Deck slab superstructure. (ii) Main and cross girder. (iii) Wearing Coat (iv) Crash Barrier
12.		Total Quantity	9.8	9.7998
13.		Amount in Rs	434126.28	434117.42
14.	27123 At Sr. 7	Item of Work	Providing and fixing in position steel bar reinforcement For Approach slab of steel grade	Providing and fixing in position steel bar reinforcement For Approach slab, Foot Path Slab

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			FE-500 D (TMT) including cutting, bending, hooking, tying, welding etc. complete as per detailed drawing and specification.	& Railing etc. of steel grade FE-500 D (TMT) including cutting, bending, hooking, tying, welding etc. complete as per detailed drawing and specification.

**Note: No Correction in Schedule D (page no.21 to 24), Schedule E (page no. 25 to 26) & Schedule F (page no. 27) of Financial Bid Packet -B of this tender.**

Above correction have been incorporated in Schedule A (at page 6 to 12), Schedule B (at page 13 to 18) & Schedule C (at page 19 to 20) as appropriate and this has been inserted in the tender document by replacing the earlier uncorrected respective schedules of Financial Bid Packet -B of this tender. There is **No Correction in Schedule D (page no. 21 to 24), Schedule E (page no. 25 to 26) & Schedule F (page no. 27) of Financial Bid Packet -B of this tender.** It shall be referred as it is.

The Corrected Schedule A, B & C are as under which replaces the earlier Schedule A (at page 6 to 12), Schedule B (at page 13 to 19) & Schedule C (at page 20 to 21) of Financial Bid Packet -B of this tender:

**Revised Schedule of Approximate quantities****Schedule "A"**

**Construction of 2- Lane Road Over Bridge in lieu of existing L.C- 153 at Rly Km 281/28-30 (DFCC CH - 28413.151 of section - 4 of DFCC) between station Kim and Sayan of W. Rly route & JNPT (Mumbai) - Dadri(Delhi) WDFC route**

SN	Item No.	Total Quantity	Item of work	Rate	Unit	Amount in Rs
1	27007A	8425	Excavation for foundation in sand, gravel, clay soft soils and Murom etc. Including shoring, strutting dewatering as necessary and disposing of the excavated stuff as directed. A) Depth upto 3m and lead up to 100m for 10 Cum	318.15	Cum	2680413.75
2	DSR 2014 Item 2.33		Felling trees of the girth (measured at a height of 1 m above ground (level), Including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material. Beyond			
2 (i)		2	30cm girth up to & including 60cm girth	198.67	Each	397.334
2 (ii)		2	60cm girth up to & including 120cm girth	879.81	Each	1759.622
2 (iii)		2	120cm girth up to & including 240cm girth	4069.34	Each	8138.681
3	27039	3638	Empty boring through all sorts of strata for providing 1.20m dia RCC bored piles to required depth including flushing necessary casting pipe with all plants and equipment as required as per detailed specifications for Abutment and Piers (Excluding Concrete & Reinforcement).	3361.28	Rmt	12228336.64
4	14023	3020	Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30cm length,30cm height and 15cm thick of M250 grade concrete as per approved design and including excavation for fixing in proper line and level, filling the joint with C:M 1:3 (1cement:3 fine sand) etc. complete.	239.37	Rmt	722897.4
5	27001A	173.3	Chipping and dressing of the RCC piles up to cut off level (min 1 D) including cleaning of reinforcement and removal of dismantled materials etc for providing pile caps as directed by Engineer and as per specification for 1000 mm & 1200 mm.	577.72	Cum	100118.876
6	26161	987.66	Road marking with hot applied thermoplastic compound with reflectorizing glass beads on road surface providing and laying hot applied thermoplastic compound 2.5 CM thick including reflectorizing glass bends @ 250 gms /sq mt area thickness of surface applied glass bend as per IRC -35 the finished surface to be level uniform and free from streaks and holes.	298.96	Sqm	295270.834

7	26163	2902	Supplying and fixing cat eye (stimsonite) made out from Acrylic styrene- acrylonitrile of high impact polystyrenes fitted with moulded of methacrylate reflector cube corner reflector design filled with tightly adhering potting compound as per ASTM D-788 size 11.5 x 7 x 1.60 cm.	375.72	Each	1090339.44
8	27050A	0	Providing and laying weep hole in abutments, and returns by using AC pipe of 100 mm dia. Including laying in proper grade and jointing the completed as per detailed specification.	53.93	Each	0
9	27072	2709503	Providing and Fixing in position fully moulded restrained elastomeric bearings as per detailed drawings.	1.11	Cum	3010257.833
10	27101A	2	Providing and fixing marble slab including engraving and painting complete.(A) size 75 cm x 60 cm x 4 cm	955.46	No.	1910.92
11	27098A	41	Providing, fabricating and fixing in position GI Drainage Spout arrangements having 100 mm dia. Pipe B class with necessary bend, fixing to GI chamber, GI grating, providing and applying one coat of primer & two coat of anticorrosive paint, etc. complete as per drawing and as per specifications.	506.01	No.	20746.41
12	M664	200	providing and fixing 100 dia runner and down take GI pipe to drain water from drainage spout with necessary fixtures including cost of all materials, labours, bends, fixtures, specials etc. Complete as per drawing and Sp. And as per direction of engineer.	808.00	RMT	161600
13	26008	4942	Box cutting the road surface to proper slope and camber for making a base for road work including removing the excavated stuff and depositing on the road side slope as directed up to 50 m lead.	66.16	cum	326938.01
14	26B004E	6038.03	Earth work for embankment including breaking clods dressing with all lead and lift and including watering, rolling and consolidation of subgrade in layers at O.M.C. to required dry density including filling depressing which occur during process using vibratory roller 8 T to 10T ( from borrow area within 5km lead)	243.41	Cum	1469716.882
15	26048	4	Providing & fixing ordinary Kilometre stone of precast C.C. 1:2:4 including necessary reinforcement as per I.R.C. type design in C.C. 1:4:8 including letter & paints etc. complete (For N.H., S.H. & M.D.R.)	842.34	Each	3369.36
16	26089EA	20	Supplying and fixing reinforced concrete heavy duty non pressure pipes with collars for culverts carrying heavy traffic as per IS 458-1991 specifications including setting the pipes in C.M. 1:2 watering and laying (to level slopes ) of class NP3 of internal diameters (v) 900mm dia (more than 10 ton)	2097.77	Rmt	41955.4

17	26101B	4	Providing and fixing village name boards made from 2mm aluminium sheet; size 90x 60cms. rectangle as per the design of IRC-67-2015 pre-treated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorized with retro reflective sheeting as per latest MOST Specifications; 3.1m long (2 Nos) stand post and frame fabricated from suitable size iron angle of 50 x 50 x 5mm; painted with best quality epoxy coatings in black and white bends the details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x60cms for each leg. including excavation curing etc. complete under the supervision of engineer (B) High intensity Grade	4163.22	No.	16652.88
18	26092A	2	Providing and fixing Cautionary Sign Board made out of 2mm aluminium sheet, size 90 x 90 cms equilateral triangle, as per the design of IRC-67-2015. Pre-treated with phosphating process and acid etching coated with one coat of epoxy primer and two coats of best quality epoxy paint, reflectorized with retro reflective sheeting as per the latest M.O.S.T. specification, 3.1 Mt. long stand post and frame fabricated from suitable size iron angle of 35 x 35 x 3 mm, 75 x 75 x 6 mm; painted with best quality epoxy coating in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60 cms for each leg, including excavation curing etc. complete under the supervision of Engineer-In-Charge (A) Engineer grade.	3182.51	No.	6365.02
19	26092B	4	Providing and fixing Cautionary Sign Board made out of 2mm aluminium sheet, size 90 x 90 cms equilateral triangle, as per the design of IRC-67-2015. Pre-treated with phosphating process and acid etching coated with one coat of epoxy primer and two coats of best quality epoxy paint, reflectorized with retro reflective sheeting as per the latest M.O.S.T. specification, 3.1 Mt. long stand post and frame fabricated from suitable size iron angle of 35 x 35 x 3 mm, 75 x 75 x 6 mm; painted with best quality epoxy coating in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60 cms for each leg, including excavation curing etc. complete under the supervision of Engineer-In-Charge (B) High Intensity grade.	3272.40	No.	13089.6

20	26103B	8	Providing and fixing sign boards made from 2mm aluminium sheet; size 100x 100cms. as per the design given by engineer in charge pre-treated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorized with retro reflective sheeting as per latest MOST Specifications; 3.1m long (2 Nos) stand post and frame fabricated from suitable size iron angle of 35 x 35 x 3mm & 50 x 50 x 5mm 75 x 75 x 6mm ; painted with best quality epoxy coatings in black and white bends the details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x60cms for each leg. including excavation curing etc. complete under the supervision of engineer (B) High intensity Grade	6618.53	No.	52948.24
21	26098A	2	Providing and fixing Junction Board made out of 2mm aluminium sheet, size 244 x 122 cms rectangle, as per the design of IRC-67-2015. Pre-treated with phosphating process and acid etching coated with one coat of epoxy primer and two coats of best quality epoxy paint, reflectorized with retro reflective sheeting as per the latest M.O.S.T. specification, Letters and numerals should be as per IRC-30-1968. 3.1 Mt. long (2 nos.) stand post and frame fabricated from suitable size iron angle of 50 x 50 x 5 mm, 75 x 75 x 6 mm; painted with best quality epoxy coating in black and white bends. The details of symbol or inscription/ numerals for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60 cms for each leg, including excavation curing etc. complete under the supervision of Engineer-In-Charge (A) Engineer grade.	12274.53	No.	24549.06
22	14006A	127	Providing and laying chequered terrazzo tiles 22mm thick for R.C.C Staircase with marble chips of size up to 6mm in floors on 25mm thick bed of lime mortar 1:1.5 (1 - lime putty : 1.5 coarse sand) or C.M. 1:6 jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing & polishing complete. (A) Light shades using white cement.	475.71	Sqm	60415.17
23	M942	88	Providing and fixing 50 mm Dia UPVC pipe for entry cable pipe.	133.32	Rmt	11732.16
24	27100A	168	Providing PVC 100 mm diameter water spouts including necessary iron grating as per drawing.	187.86	Each	31560.48



25	26117C	1.8	Clearing and grubbing site/road/land including uprooting all vegetation, grass, bush shrubs, saplings and trees with girth, removal of stumps of trees of girth of all sizes including removing stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable materials as directed by Engineer with all leads and lifts etc. complete as per specification before commencement and after completion of the work.	32056.39	Ha	57701.502
26	27087	3	Providing Vertical Joints-pre moulded asphalt filler joints as per drawings (A) 12 mm	733.26	sq.m	2199.78
27	11012	372	Providing and fixing MS round holding down or Anchor bolts (J type) with nuts and washer plates complete.	40.00	kg	14878.512
28	11001A	2.91	Structural Steel: Base plate of 220 x 220 x 12 mm thick with adjustment of hole. MS plate 6mm thick 20mm wide 150mm long including welding to the base plate all complete.	6027.68	Qui	17540.549
29	23067	2132	Providing, laying and jointing in true line and level 110 diameter UPVC (Type B) conforming to IS 13592:1992 with one end plain and other end socketed with rubber ring & fitting conforming to IS 14735:1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with lubricant, pipe shall be fixed on wall using of PVC clamp of size 110 mm diameter x 149mm length x145mm height at every 2000 mm centre to centre or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials	531.26	Rmt	1132646.32
30	27097A	131	Providing and fixing post and pipe railing as per detailed drawing including 3 coats of painting to steel works complete.( more than 10 ton)	1073.63	Rmt	140645.53
31	NH SOR 8.8	2488.34	Painting two coats after filling the surface with synthetic enamel paint in all shades on crash barrier concrete surfaces	63.63	Sqm	158333.074
32	20003B	585	Demolition of brick work and stone masonry including stacking of serviceable materials and disposals of unserviceable materials with all lead and lift(ii) in cement mortar.	340.37	Cum	199116.45
<b>TOTAL SCHEDULE-A</b>						<b>24104541.72</b>

**Revised Schedule of Approximate quantities****Schedule "B"**

**Construction of 2- Lane Road Over Bridge in lieu of existing L.C- 153 at Rly Km 281/28-30 (DFCC CH - 28413.151 of section - 4 of DFCC) between station Kim and Sayan of W. Rly route & JNPT (Mumbai) - Dadri(Delhi) WDFC route**

SN	Item No.	Total Quantity	Item of work	Rate	Unit	Amount in Rs
1	NS/01	2	Marking out the centre line of the Bridge and various other component structures and complete lining out and levelling with theodolite, levels, including constructing necessary masonry pillars for lines and levels and establishing necessary bench marks etc. complete as directed.	12625.00	LS	25250
2	NS/02	817.2	<b>providing &amp; filling in foundation</b> with ordinary cement concrete <b>M 15 mix</b> and providing necessary vertical pin headers including formwork vibrating ramming & curing complete.	2622.97	Cum	2143491.084
3	NS/03	3809	Providing and casting in situ controlled cement concrete <b>M-35 for RCC bored pile from 1.20 m. dia. using Termite Pipe</b> including necessary flushing, dewatering, formwork, mixing in mechanised batch mix plant, transporting, compacting, and finishing including all leads & lifts with all labour, material, machinery, all lead, lift etc. complete as per specification, drawing and/or as directed by the Engineer. (Reinforcement shall be paid separately)	3947.08	Cum	15034427.72
4	NS/04	2017.2	Providing and casting in-situ controlled <b>cement concrete of M35 grade for RCC work for Open Foundation, Pile cap in Pier/Abutment and RCC Stair Case</b> for any depth/ height including dewatering, scaffolding centring, shuttering, mixing in mechanised batch mix plant, transporting, placing in position, consolidating with mechanical vibrators, finishing, curing, de-shuttering carefully, making good the damages, fixing embedment, inserts, pockets wherever necessary etc. with all labour, material, machinery, all lead, lift etc. Complete as per specification, drawing and/or as directed by the Engineer. (Reinforcement shall be paid separately)	3943.04	Cum	7953900.288
5	NS/05	581	Providing and casting in situ controlled <b>cement concrete M35 for RCC work in piers, abutment and return wall</b> including scaffolding centring, shuttering, mixing in mechanised batch mix plant, transporting, placing in position, consolidating with mechanical vibrators, finishing, curing, de-shuttering carefully, making good the damages, fixing embedment, inserts, pockets wherever necessary etc. with all labour, material, machinery, all lead, lift etc. complete as per specification, drawing and/or as directed by the Engineer. A) height from <b>0.0 to 5.0 m</b> (Reinforcement shall be paid separately)	4004.25	Cum	2326469.25

6	NS/06	169.5	Providing and casting in situ controlled <b>cement concrete M35 for RCC work in piers, abutment and return walls</b> including scaffolding centring, shuttering, mixing in mechanised batch mix plant, transporting, placing in position, consolidating with mechanical vibrators, finishing, curing, de-shuttering carefully, making good the damages, fixing embedment, inserts, pockets wherever necessary etc. with all labour, material, machinery, all lead, lift etc. Complete as per specification, drawing and/or as directed by the Engineer. A) height from <b>5m to 10.0 m</b> (Reinforcement shall be paid separately)	4226.45	Cum	716383.275
7	NS/07	1066	Providing and casting in situ controlled <b>cement concrete M35 for RCC works on pier cap, abutment cap and dirt wall</b> including scaffolding centring, shuttering, mixing in mechanised batch mix plant, transporting, placing in position, consolidating with mechanical vibrators, finishing, curing, de-shuttering carefully, making good the damages, fixing embedment, inserts, pockets wherever necessary etc. with all labour, material, machinery, all lead, lift etc. Complete as per specification, drawing and/or as directed by the Engineer. (Reinforcement shall be paid separately)	4056.77	Cum	4324516.82
8	NS/08	32.1	Providing and casting in situ controlled cement <b>M40 for RCC works for Pedestals, seismic arresters on pier cap/ abutment cap</b> including scaffolding centring, shuttering, mixing in mechanised batch mix plant, transporting, placing in position, consolidating with mechanical vibrators, finishing, curing, de-shuttering carefully, making good the damages, fixing embedment, inserts, pockets wherever necessary etc. with all labour, material, machinery, all lead, lift etc. complete as per specification, drawing and/or as directed by the Engineer. (Reinforcement shall be paid separately)	4537.12	cum	145641.552
9	NS/09	3268	Providing and casting in situ controlled cement <b>concrete M-35 for R.C.C. work in superstructure</b> including scaffolding centring, shuttering, mixing in mechanised batch mix plant, transporting, placing in position, consolidating with mechanical vibrators, finishing, curing, de-shuttering carefully, making good the damages, fixing embedment, inserts, pockets wherever necessary etc. with all labour, material, machinery, all lead, lift etc. complete as per specification, drawing and/or as directed by the Engineer. <b>(A) T-Beam and Deck slab type of superstructure. (II) Main and cross Girder</b> (Reinforcement shall be paid separately)	4430.67	Cum	14479429.56

10	NS/10	99.992	Providing and casting in-situ controlled cement <b>concrete of M-30 grade</b> with minimum cement content 420kg/cum without admixture as per IS-456-2000, reinforcement cement concrete with 20mm downgraded crushed stone aggregates of required size in super structure <b>for approach slab and wearing coat</b> including required formwork, shuttering and supporting arrangement and transporting concrete from batching plant by transit mixture placing it in position, compacting with needle vibrator including curing with all labour, material, machinery, all lead, lift etc. complete as per drawing and technical specification of MORTH & as directed by Engineer. (Reinforcement shall be paid separately)	4111.31	Cum	411098.11
11	NS/11	1608	Providing and casting in -situ controlled cement <b>concrete of M 40 grade for RCC crash Barrier</b> with 20 mm down coarse aggregate of the required size including formwork, shuttering, placing in position, consolidation with mechanical vibrators curing finishing, de-shuttering carefully, marking good the damages, fixing embedment, inserts, pockets, wherever necessary as directed and as per drawing with F3 type exposed concrete finish and formwork as directed by Engineer - in -charge, etc. complete as per specification.	4050.10	Cum	6512560.8
12	NS/12	16638.45	PRIMER & PROTECTIVE COATING-providing and laying the external decorative waterproof & Protective coating system for concrete and masonry shall be MASTERSEAL 200H , a single component elastomeric crack bridging acrylic coating applied at an average thickness of 50 micro DFT in two coat the product shall be applied on suitability primed sub state using MASTERSEAL 399 as primer . The product must be crack bridging elongation type with elongation at break , exceeding 200% & tensile strength exceeding 2 MPa The system shall exhibit excellent bond strength with the substrate at least exceeding 1.0 MPa , when tested as per ASTM D 4541.	182.81	Sqm	3041675.045
13	NS/13	217.2	Providing and fixing in position <b>Strip Seal Type Expansion Joint</b> (for movement up to 60mm) as per detailed drawing MORTH specification. The rate is inclusive of supplying, fixing with contractor's own materials, equipment, machineries, labour, transport, testing, bolts, socket tubes, neoprene sheet/cap etc. complete. The rate is finished item complete and will be paid after fixing in all respect.	9065.76	Rmt	1969083.072
14	NS/14	0.12	Providing Pylon consist of cast-in-situ concrete of M30 grade exposed finish as per drawing and as directed by engineer in charge. Rate includes providing required shuttering and form work but excluding stone slab & carving. (Reinforcement shall be paid in respective item.)	3884.16	Cum	466.099

15	NS/15	3688	Reinforced Earth Retaining Wall (Reinforced Earth retaining wall is having following main component 1. Excavation for foundation, foundation concrete (CC grade M15) with cement concrete grooved seating in foundation for fascia panel. 2. fascia material and its placement 3. Assembling & joining with fascia elements and laying reinforcing element 4. earth fill with granular material which is to be retained on wall , fascia elements of RCC	5836.25	Sqm	21524090
16	NS/16	6982.26	Construction of 300 mm thick compacted coarsed granular sub base ( Grade I crushed B.T. materials of 53 mm to 26.5 mm@ 35%, 26.5mm to 4.75mm @45% , below 2.36mm @20 %) by providing close graded material mixing in mechanical mix plant at OMC, carriage of mix material to work site, spreading uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve desired density complete clause as per 401	878.70	cum	6135311.862
17	NS/17	5342.19	Providing and laying wet mix base course macadam 250 mm in Two layer using machine crushed chips as per required gradation mixing with required optimum quantity of water conveying mix to site and spreading to grade and camber with mechanical paver consolidation by vibratory roller including material, labour, plant and machinery and equipment etc. complete	953.44	Cum	5093457.634
18	NS/18	24130.927	Providing and applying priming coat using medium setting emulsion bitumen as the rate of 7.5 kg/10 sq.m on WMM surface including cleaning the surface etc. comp	20.81	Sqm	502164.591
19	NS/19	3566	Providing and laying 100 mm thick DBM in two layers using crushed stone aggregate BT chips as per required gradation and using emulsion asphalt as a tack coat @ 2.5 kg/10sqmt and VG 30 grade asphalt at 45 kg/MT) by total weight of mix hot laid process using drum mix process transporting mix and laying by paver finisher including consolidation with vibratory roller including cost of material, labour, machinery equipment and fuel, oil, lubricant for plant and machinery using contractor's own plant and machines etc. complete.	1996.77	M.T.	7120481.82
20	NS/20	2017	Providing and laying 40 mm bitumen concrete using crushed stone aggregate BT chips as per required gradation and using emulsion asphalt as a tack coat @ 2.5 kg/10sqmt and VG 30 grade asphalt at 55 kg/MT) by total weight of mix hot laid process using drum mix process transporting mix and laying by paver finisher including consolidation with vibratory roller including cost of material, labour, machinery equipment and fuel, oil, lubricant for plant and machinery using contractor's own plant and machines etc. complete.	2209.88	M.T.	4457327.96

21	NS/21	2.8592	providing and casting in situ controlled cement concrete M 30 mix for RCC works in retaining wall of required detailed drawing, centring shuttering, scaffolding wherever necessary laying vibrating curing and finishing complete.	3884.16	Cum	11105.59
22	NS/22	3833	Providing and laying 25 mm thick mastic asphalt wearing course with paving grade bitumen meeting the requirements given in table 500-29, prepared by using mastic cooker and laid to required level and slope after cleaning the surface, including providing antiskid surface with bitumen pre coated fine-grained hard stone chipping of 13.2 mm nominal size at the rate of 0.005cum per 10 sqm and at an approximate spacing of 10 cm centre to centre in both directions, pressed into surface when the temperature of surfaces is not less than 1000C, protruding 1 mm to 4 mm over mastic surface, all complete as per clause 515.	379.76	Sqm	1455620.08
23	NS/23	13703	Providing sand & filling in approach portion RE wall( as per MORTH section 3100) including laying of earth as per specification for compaction in 250 mm thick loose layers and dressing (MORTH specification Cl. By mechanical means using motor grader including 305.3.5) watering the earth to bring the earth up to required OMC including rolling with the use of vibratory roller when earth is at suitable moisture content with desired field density not less than 97% of maximum dry density ( modified proctor test). The material for filling shall conform to IRC Highway Research Board's special report No 16	615.09	Cum	8428578.27
24	NS/24	6647	Providing & laying 37.5 mm thick compacted built up spray grout base course in single layers for bringing the road surface in to camber and gradient over existing road surface with bitumen grade VG-30 for tack coat at the rate of 2.50 kg/10 sqm of road surface area and using 0.50 cum stone aggregate per 10 sqm with asphalt for grouting @ 15 kg per 10 sqm of road surface and using 0.13 cmt of key aggregate per 10 sqm of road surface including heating and consolidation in both layers by vibratory roller as per MORTH specification clause no 506 including cost of all materials, fuel, labours, tools etc. completed.	103.02	Sqm	684773.94
			<b>Total Schedule-B</b>			<b>114497304.42</b>

**Revised Schedule of Approximate quantities****Schedule "C"**

**Construction of 2- Lane Road Over Bridge in lieu of existing L.C- 153 at Rly Km 281/28-30 (DFCC CH - 28413.151 of section - 4 of DFCC) between station Kim and Sayan of W. Rly route & JNPT (Mumbai) - Dadri(Delhi) WDFC route**

SN	Item No.	Total Quantity	Item of work	Rate	Unit	Amount in Rs
1	27020A	147.72	Providing and installing 6 mm MS liner for bored-cast-in-situ concrete piles including applying protective coating as per drawing and specification and as directed by Engineer.	51959.88	MT	7675514.11
2	27043C	667.1	Providing and fixing in position Fe 500 TMT for R.C.C bored pile as per detailed drawing including cutting, bending, hooking and tying and welding complete and including forming the cage and lowering it in position.(up to 10 ton)	44549.08	MT	29718691.27
3	27047A	290.7	Providing and fixing in position Fe steel bar reinforcement of steel bar reinforcement of steel grade Fe-500 TMT for R.C.C pile cap including cutting, bending, hooking and tying and welding etc., complete as per detailed drawing and specifications.	38606.24	MT	11222833.97
4	27109	166.17	Providing and fixing in position Fe steel bar reinforcement of steel bar reinforcement of steel grade Fe-500 TMT including cutting, bending, hooking and tying and welding etc., complete as per detailed drawing and specifications. (A) Pier (B) Abutment (C) Return wall etc.	45575.24	MT	7573237.63
5	27111	222.91	Providing and fixing in position Fe steel bar reinforcement of steel bar reinforcement of steel grade Fe-500 TMT including cutting, bending, hooking and tying and welding etc., complete as per detailed drawing and specifications. (A) Pier cap (B) Abutment Cap & Dirt wall (C) Pedestal & Seismic Arrester	45575.24	MT	10159176.75
6	27115	890.82	Providing and fixing in position Fe steel bar reinforcement of steel bar reinforcement of steel grade Fe-500 TMT including cutting, bending, hooking and tying and welding etc., complete as per detailed drawing and specifications. (B) T. Beam and slab type of (i) Deck slab superstructure. (ii) Main and cross girder. (iii) Wearing Coat (iv) Crash Barrier	44990.45	MT	40078392.67

7	27123	9.80	Providing and fixing in position steel bar reinforcement For Approach slab, Foot Path Slab & Railing etc. of steel grade FE-500 D (TMT) including cutting, bending, hooking, tying, welding etc. complete as per detailed drawing and specification.	44298.60	MT	434117.42
			<b>Total Schedule-C</b>			<b>106861963.8</b>