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**Percentage BoQ**

Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

Name of Work: Various development work of Viaducts and service road at Riddhi Siddhi High Level Bridge, Jaipur.

Contract No: /2017-18

Bidder Name :						
PRICE SCHEDULE						
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only )						
NUMBER	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Estimate d Rate	TOTAL AMOUNT Without Taxes	TOTAL AMOUNT In Words
1	2	4	5	6	53	55
	<b>PART A -</b>					
1	Excavation in Cutting in Soil Excavation in Soil using Hydraulic Excavator and Tippers with disposal upto 1000 m Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross-sections, and transporting to the embankment location with a lift upto 1.5 m and lead upto 1000 m as per MoRD Specification Clause 302.3	17788.80	cum	26.10	464287.6800	INR Four Lakh Sixty Four Thousand Two Hundred & Eighty Seven and Paise Sixty Eight Only
2	Excavation for Structures Earthwork in excavation for structures as per drawing and MoRD specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material. Ordinary soil Upto 3 m depth	2075.50	cum	111.60	231625.8000	INR Two Lakh Thirty One Thousand Six Hundred & Twenty Five and Paise Eighty Only
3	Dismantling Stone Masonry as per MoRD Specification Clause 202. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of stone masonry, including disposal of unserviceable material and stacking the serviceable material with all lift and lead of 1000 m as per MoRD Specification Clause 202. Dismantling Stone Pitching / Dry Stone Spalls	585.50	cum	77.40	45317.7000	INR Forty Five Thousand Three Hundred & Seventeen and Paise Seventy Only
4	Dismantling of Flexible Pavements Dismantling of Flexible Pavements and disposal of dismantled materials upto a lead of 100 m, stacking serviceable and unserviceable materials separately as per MoRD Specification Clause 202 By Mechanical Means Bituminous Courses	991.01	cum	115.20	114164.3520	INR One Lakh Fourteen Thousand One Hundred & Sixty Four and Paise Thirty Five Only
5	Dismantling and stacking within 50 meters lead fencing post, struts, including earth work dismantling of concrete etc. in the case of: T or Angle Iron posts	50.00	Each	45.00	2250.0000	INR Two Thousand Two Hundred & Fifty Only
6	Dismantling barbed wire or chain link fencing including bending making rolls and stacking within 50-meter lead.	1000.00	Kg	6.30	6300.0000	INR Six Thousand Three Hundred Only
7	Construction of Embankment with Material Obtained from Roadway Cutting Construction of embankment with approved materials deposited at site from roadway cutting and excavation from drain and foundation of other structures graded and compacted to meet requirement of Tables 300.1 and 300.2 as per MoRD Specification Clause 301.5	10036.25	cum	31.50	316141.8750	INR Three Lakh Sixteen Thousand One Hundred & Forty One and Paise Eighty Eight Only
8	Construction of Subgrade and Earthen Shoulders Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300.2 with lead upto 1000 m as per MoRD Specification Clause 303.1.	4253.95	cum	94.50	401998.2750	INR Four Lakh One Thousand Nine Hundred & Ninety Eight and Paise Twenty Seven Only

9	Earth, Sand, Lime, Morrum manure or sludge					
9.1	For 1 Km.	10150.00	cum	43.20	<b>438480.0000</b>	INR Four Lakh Thirty Eight Thousand Four Hundred & Eighty Only
9.2	For 5 Km.	4260.00	cum	54.00	<b>230040.0000</b>	INR Two Lakh Thirty Thousand & Forty Only
9.3	Add for each 1 Km beyond 5 Km(upto 10 Km.)	4260.00	cum	2.61	<b>11118.6000</b>	INR Eleven Thousand One Hundred & Eighteen and Paise Sixty Only
10	Building Rubbish Stone metal (Grit and ballast etc.)					
10.1	For 5 Km.	200.00	cum	59.40	<b>11880.0000</b>	INR Eleven Thousand Eight Hundred & Eighty Only
10.2	Add for each 1 Km beyond 5 Km(upto 10 Km.)	200.00	cum	2.61	<b>522.0000</b>	INR Five Hundred & Twenty Two Only
11	Compacting Original Ground Compacting original ground supporting subgrade Loosening of the ground upto a level of 300 mm below the subgrade level, watered, graded and compacted in layers to meet requirement of Tables 300.1 and 300.2 for subgrade construction as per MoRD Specification Clause 303.5.2.	1100.00	cum	28.80	<b>31680.0000</b>	INR Thirty One Thousand Six Hundred & Eighty Only
12	Granular Sub-base with Well Graded Material (Table 400.1) By Mix in Place Method Construction of granular sub-base by providing well graded material, spreading in uniform layers with Tractor Mount Grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per MoRD Specification Clause 401. For Grading II Material	2061.10	cum	378.00	<b>779095.8000</b>	INR Seven Lakh Seventy Nine Thousand & Ninety Five and Paise Eighty Only
13	Supplying, fitting and placing TMT bar reinforcement in foundation complete as per drawings and MoRD specifications Clauses 1000 and 1202	71.28	tonne	56187.00	<b>4005009.3600</b>	INR Forty Lakh Five Thousand & Nine and Paise Thirty Six Only
14	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and MoRD specifications Clause 802, 803, 1202 & 1203 P.C.C grade M 15 Nominal mix (1:2.5:5)	302.15	cum	2736.00	<b>826682.4000</b>	INR Eight Lakh Twenty Six Thousand Six Hundred & Eighty Two and Paise Forty Only
15	Board/cast-in-situ R.C.C piles complete as per drawing and technical specification. [MoRTH Specification : Section 1100,1600&1700(N)] Using Batching Plant, Transit Mixture, and Concrete Pump. 750 mm Dia piles (excluding reinforcement) Concrete M35 in R.C.C (Design mix)	240.00	mtr	4567.00	<b>1096080.0000</b>	INR Ten Lakh Ninety Six Thousand & Eighty Only
16	Structural cement concrete (Design Mix) in open foundations, with form work, at any level. Cement concrete for plain/reinforced concrete in open foundation as per drawing and technical specification. [MoRTH Specification : Section 1700(N)&1500(N)]. Using Batching Plant, Transit Mixture, and Concrete Pump. R.C.C.M-30 grade	448.68	cum	4756.00	<b>2133922.0800</b>	INR Twenty One Lakh Thirty Three Thousand Nine Hundred & Twenty Two and Paise Eight Only
17	Supplying, fitting and placing TMT bar reinforcement (Fe 415) in substructure complete as per drawings and MoRD specification Clauses 1002, 1005, 1010 & 1202	100.70	tonne	58788.00	<b>5919951.6000</b>	INR Fifty Nine Lakh Nineteen Thousand Nine Hundred & Fifty One and Paise Sixty Only
18	Structural Cement concrete for plain concrete/ reinforced concrete for substructure at any level, complete as per drawing and technical specification. Using Batching Plant, Transit Mixture, and Concrete Pump. Design mix concrete - [MoRTH Specification : Clause 1500&1700] R.C.C R.C.C.M30 grade, including formwork Up to 5 meter height	957.50	cum	4592.00	<b>4396840.0000</b>	INR Forty Three Lakh Ninety Six Thousand Eight Hundred & Forty Only
19	Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing.	1470.31	cum	2151.00	<b>3162636.8100</b>	INR Thirty One Lakh Sixty Two Thousand Six Hundred & Thirty Six and Paise Eighty One Only

20	Construction of un-reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 43 grade cement, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, replacing cement by fly ash to the extent of 15 per cent and sand by 10 per cent, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing CC design mix grade M40	2267.02	cum	5465.00	<b>12389236.9750</b>	INR One Crore Twenty Three Lakh Eighty Nine Thousand Two Hundred & Thirty Six and Paise Ninety Seven Only
21	Random Rubble stone masonry for with hard stone in foundation and plinth in Cement Sand mortar above 30 CM thick wall in: Cement Mortar 1:6 ( 1-Cement : 6-Sand).	80.00	cum	1770.30	<b>141624.0000</b>	INR One Lakh Forty One Thousand Six Hundred & Twenty Four Only
22	RIGID PVC SOIL P&F rigid PVC Pipe (IS:4985 mark) class II/ (4 Kg. /Cm2.) approved quality /make including joining the pipe with solvent cement rubber ring and lubricant.					
22.1	160 mm dia	2700.00	mtr	225.00	<b>607500.0000</b>	INR Six Lakh Seven Thousand Five Hundred Only
22.2	110 mm dia	200.00	mtr	156.60	<b>31320.0000</b>	INR Thirty One Thousand Three Hundred & Twenty Only
23	P&F rigid PVC pipe fittings (IS: 4985 mark) of approved quality /make including joining the pipe with solvent cement rubber ring and lubricant:					
23.1	Coupler (socket) 160 mm dia	70.00	Each	69.30	<b>4851.0000</b>	INR Four Thousand Eight Hundred & Fifty One Only
23.2	Door Tee 160 mm dia	70.00	Each	133.20	<b>9324.0000</b>	INR Nine Thousand Three Hundred & Twenty Four Only
23.3	Door 'Y' 160 mm dia	70.00	Each	143.10	<b>10017.0000</b>	INR Ten Thousand & Seventeen Only
23.4	Bend 45 160 mm dia	70.00	Each	83.70	<b>5859.0000</b>	INR Five Thousand Eight Hundred & Fifty Nine Only
23.5	Door Bend (Top Side) 160 mm dia	70.00	Each	99.90	<b>6993.0000</b>	INR Six Thousand Nine Hundred & Ninety Three Only
23.6	Vent Cowel 160 mm dia	70.00	Each	44.10	<b>3087.0000</b>	INR Three Thousand & Eighty Seven Only
23.7	Socket plug 160mm dia	70.00	Each	59.40	<b>4158.0000</b>	INR Four Thousand One Hundred & Fifty Eight Only
24	Providing and laying filter material underneath pitching in slopes complete as per drawing and MoRD specifications Clause 1302	517.50	cum	454.50	<b>235203.7500</b>	INR Two Lakh Thirty Five Thousand Two Hundred & Three and Paise Seventy Five Only
25	Interlocking Concrete Block Pavement with M-30 Grade 0.30 Mtr x 0.30 Mtr x 0.15 Mtr Edge Blocks (measurements shall be made inner to inner side of edge blocks) Providing and Laying of Interlocking M-30 grade Concrete Block Pavements having thickness 100 mm as per drawings and MoRD Specification Clause 1504 with M-30 Grade 0.30 Mtr x 0.30 Mtr x 0.15 Mtr Edge Blocks. Category 'A' : Dentated units to key into each other on all four faces Zigzag shape as per IRC:SP:63-2004	3099.30	sqm	945.00	<b>2928838.5000</b>	INR Twenty Nine Lakh Twenty Eight Thousand Eight Hundred & Thirty Eight and Paise Fifty Only
26	Providing and fixing of precast concrete interlocking tiles of desired shape of M 30 grade manufactured from fully computerized automatic stationery hydraulic vibro pressed machine and fully computerized automatic batching plant of class A1/A2 as per BS 6717:2001. The CC interlocking paving blocks be laid on average 50mm. thick bed of coarse sand and the joint is to be filled with fine sand. Laying procedure on compacted sub-base as defined. Complete job is to be executed as per the instruction of Engineer incharge. The rates to be inclusive of all lead & Lifts etc. complete as per specifications. Tensile splitting strength, abrasion and braking load etc. as per BS 6717:2001, Grey cement. 60mm thick	1851.50	sqm	479.00	<b>886868.5000</b>	INR Eight Lakh Eighty Six Thousand Eight Hundred & Sixty Eight and Paise Fifty Only

27	Supplying and fixing of Single Molded twin Shank Raised Pavement Markers made of polycarbonate and ABS moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to ASTM D 4280 Type H and complying to Specifications of Category A of MORTH Circular No RW/NH/33023/10-97-DO III Dt 11.06.1997. The height, width and length shall not exceed 50 mm, 100 mm and 100 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35+/-5 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 +/- 2 mm and height not less than 30+/- 2 mm) from the body is to be a minimum value of 700 Kgf. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer. (manufactured	200.00	Each	183.00	<b>36600.0000</b>	INR Thirty Six Thousand Six Hundred Only
28	Providing and laying pitching on slopes laid over prepared filter media as per drawing and MoRD specifications Clause 1302 Stone/Boulder	462.00	cum	495.00	<b>228690.0000</b>	INR Two Lakh Twenty Eight Thousand Six Hundred & Ninety Only
29	Providing and fixing PVC Bump Speed Breakers size 350 mm x 250 mm x 50 mm fitted with key hooks complete with labour material and traffic diversion arrangements.	50.00	R.Mtr.	1926.00	<b>96300.0000</b>	INR Ninety Six Thousand Three Hundred Only
30	Laying Reinforced Cement Concrete Pipe NP3 as per drawing and MoRD specification Clause 1402.6 Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row Providing and laying reinforced cement Concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 600 mm dia	80.00	R.Mtr.	1395.00	<b>111600.0000</b>	INR One Lakh Eleven Thousand Six Hundred Only
31	Marking Centre Line and stop lines etc. on road as per IRC pattern with thermoplastic paint of approved quality and make with 8% glass beads laid on the road surface at temperature 160° C with a special applicator machine complete with a special applicator machine complete with labour material and traffic diversion arrangements.	309.05	sqm	436.50	<b>134900.3250</b>	INR One Lakh Thirty Four Thousand Nine Hundred and Paise Thirty Three Only
32	Supply & Fixing of mandatory / regulatory reflective sign board fixed on 3 meter long Angle Iron of size 65x65x6 mm complete as per IRC-67-1977 made of 2 mm thick M.S. sheet stove enamelled paint and reflective symbol. Stop signs with definition plate size 30x20 cm					
32.1	90 cm Octagon	2.00	Each	1512.00	<b>3024.0000</b>	INR Three Thousand & Twenty Four Only
32.2	60 cm Octagon each	2.00	Each	1332.00	<b>2664.0000</b>	INR Two Thousand Six Hundred & Sixty Four Only
33	Supply & Fixing of mandatory / regulatory reflective sign board fixed on 3 meter long Angle Iron of size 65x65x6 mm complete as per IRC-67-1977 made of 2 mm thick M.S. sheet stove enamelled paint and reflective symbol. Give way signs with definition plate size 30x20 cm					
33.1	90 cm equilateral triangle	2.00	Each	1309.50	<b>2619.0000</b>	INR Two Thousand Six Hundred & Nineteen Only
33.2	60 cm equilateral triangle	2.00	Each	1192.50	<b>2385.0000</b>	INR Two Thousand Three Hundred & Eighty Five Only
34	Supply & Fixing of mandatory / regulatory reflective sign board fixed on 3 meter long Angle Iron of size 65x65x6 mm complete as per IRC-67-1977 made of 2 mm thick M.S. sheet stove enamelled paint and reflective symbol. Prohibitory signs of circular shape					
34.1	60 cm dia	2.00	Each	1309.50	<b>2619.0000</b>	INR Two Thousand Six Hundred & Nineteen Only
34.2	40 cm dia	2.00	Each	1192.50	<b>2385.0000</b>	INR Two Thousand Three Hundred & Eighty Five Only

35	Supplying & Fixing cautionary / Warning Reflective sign boards made out of 2 mm thick M.S. sheet as per IRC -67-1977, stove enamelled and reflective symbol fixed on Angle Iron of size 65 x 65 x 6mm of 3 meter long :					
35.1	90 cm equilateral triangle	2.00	Each	1575.00	<b>3150.0000</b>	INR Three Thousand One Hundred & Fifty Only
35.2	60 cm equilateral triangle	2.00	Each	1165.50	<b>2331.0000</b>	INR Two Thousand Three Hundred & Thirty One Only
36	Supplying & Fixing Direction and place identification sign board made out of 2 mm thick M.S. sheet framed to angle iron 40x40x5 mm and two vertical posts of angle iron of size 65x65x6 mm 3 meter long with hold fasts, stove enameled paint reflective letter symbol complete of size. :					
36.1	150 x 120 cm.	10.00	Each	3775.50	<b>37755.0000</b>	INR Thirty Seven Thousand Seven Hundred & Fifty Five Only
36.2	120 x 75 cm.	2.00	Each	3492.00	<b>6984.0000</b>	INR Six Thousand Nine Hundred & Eighty Four Only
36.3	60 x 45 cm.	2.00	Each	1678.50	<b>3357.0000</b>	INR Three Thousand Three Hundred & Fifty Seven Only
37	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete:	14000.00	Kg	74.50	<b>1043000.0000</b>	INR Ten Lakh Forty Three Thousand Only
38	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	30178.36	Kg	88.50	<b>2670784.8600</b>	INR Twenty Six Lakh Seventy Thousand Seven Hundred & Eighty Four and Paise Eighty Six Only
39	Supply & fixing of M-20 grade precast cement concrete Kerb or Dand upto 60 cm length over 20 mm thick base of cement mortar 1:6 including jointing earth work, painting & jointing with cement mortar 1:4 of size (22.5 x 25) / 2 x 30 cm	1398.80	R.Mtr.	328.50	<b>459505.8000</b>	INR Four Lakh Fifty Nine Thousand Five Hundred & Five and Paise Eighty Only
40	Painting Two Coats on New Concrete Surfaces Painting two coats including primer coat after filling the surface with synthetic enamel paint in all shades on new, plastered / concrete surfaces as per drawing and MoRD Specification Clause 1701	1574.80	sqm	52.20	<b>82204.5600</b>	INR Eighty Two Thousand Two Hundred & Four and Paise Fifty Six Only
41	Painting on Steel Surfaces Providing and applying two coats of ready mix paint including primer coat of approved brand on steel surface after through cleaning of surface to give an even shade as per drawing and MoRD Specification Clause 1701	617.60	sqm	52.20	<b>32238.7200</b>	INR Thirty Two Thousand Two Hundred & Thirty Eight and Paise Seventy Two Only
42	EXTERIOR FINISHING Painting exterior surface of Wall with 100% acrylic exterior paint of approved brand and manufacture to give an even shade with two or more coats including preparation of base with sand papering, primer, putty, etc complete in all respect. New Work	378.00	sqm	77.40	<b>29257.2000</b>	INR Twenty Nine Thousand Two Hundred & Fifty Seven and Paise Twenty Only
<b>Total in Figures</b>					<b>46885259.52</b>	INR Four Crore Sixty Eight Lakh Eighty Five Thousand Two Hundred & Fifty Nine and Paise Fifty Two Only
<b>Quoted Rate in Figures</b>			<b>Select</b>		<b>0.0000</b>	INR Zero Only
<b>Quoted Rate in Words</b>			<b>INR Zero Only</b>			

**Item Rate BoQ**

Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

Name of Work: Various development work of Viaducts and service road at Riddhi Siddhi High Level Bridge, Jaipur.

Contract No: /2017-18

Bidder Name :						
<b>PRICE SCHEDULE</b>						
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Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes	TOTAL AMOUNT In Words
1	2	4	5	13	53	55
1	<b>Part "B" Non BSR (Item Rate)</b>					
1	Supplying and fixing of micro prismatic retro reflective sheeting conforming to type XI of ASTM D4956 shall be pressure fixed to the full face of the ACP sheet as back ground sheet (in approved colour) and the top layer will be overlaid with electro cut transparent film of approved make and colour to create the desired road sign including cutting, cleaning and pasting etc. Complete as per design, drawing and direction of engineer in charge. (Payment shall be made for flat area of sheet)	240.59	sqm		0.0000	INR Zero Only
2	Providing and fixing in position high bond (VHB) double tape 24mm wide 2.3mm thick for jointing ACP sheet with SS/MS frame including all processes like cleaning, cutting, chemical application, ressing etc. as per sample approved by the engineer-in-charge.	295.60	mtr		0.0000	INR Zero Only
3	Providing cutting, hoisting and fixing in position including fabrication of 4mm thick aluminium composite panel sheet (ACP) made of two aluminium sheet of 0.50mm thick each having a distance of 3.00mm filled with rubber polymer to the entire satisfaction of engineer in charge conforming to various concerned ASTM standards includes nuts and bolts / riveting (measurements to be taken of the face of the area of sheet).	240.59	sqm		0.0000	INR Zero Only
<b>Total in Figures</b>					<b>0.0000</b>	INR Zero Only
<b>Quoted Rate in Words</b>					<b>INR Zero Only</b>	