Tender No: EDFC_CGM_TDL_ROB_5C Closing Date/Time: 19/03/2024 15:00

CGM/DFCCIL/Tundla acting for and on behalf of The President of India invites E-Tenders against Tender No **EDFC_CGM_TDL_ROB_5C** Closing Date/Time 19/03/2024 15:00 Hrs. Bidders will be able to submit their original/revised bids upto closing date and time only. Manual offers are not allowed against this tender, and any such manual offer received shall be ignored.

1. NIT HEADER

Name of Work	Construction of two lane Road Over Bridge (excluding approaches) having one span of x60.0 m using BOW String Girder at 01 No. Level Crossing in lieu of level crossings No. 5C at DFC Chainage 561/35-37 with construction of 1 no Limited Height Subway of size 4.0 M width) X 2.5 M (height) by Box Pushing method under DFCCIL tracks and its approach DFC cide only with contractor's own design drawings as per relevant IS/IRS/Railway Board Guidelines, between New Bhaupur to New Kanchosi section of CGM/TDL of Eastern Dedicated Freight Corridor Corporation of India Limited						
Bidding type	Normal Tender						
Tender Type	Open	Bidding System	Two Packet System				
Tender Closing Date Time	19/03/2024 15:00	Date Time Of Uploading Tender	17/02/2024 14:34				
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable				
Advertised Value	183280934.28	Tendering Section	CIVIL				
Bidding Style	Single Rate for Each Schedule	Bidding Unit					
Earnest Money (Rs.)	1066500.00	Validity of Offer (Days)	120				
Tender Doc. Cost (Rs.)	11800.00	Period of Completion	8 Months				
Contract Type	Works	Contract Category	Expenditure				
Bidding Start Date	105/03/2024	Are Joint Venture (JV) firms allowed to bid Are Joint Venture (JV) firms					
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Capital (Works)				

2. SCHEDULE

	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedu	le A1-USS	OR-2019					13976677.84	Above/ Below/Par
	Please se	e Item Break	up for details.		16671.90	AT Par	16671.90	
1	where the size 50x5 placed at posts inclu	work is to b 0x 6mm,1.5r c/c distance uding providi	e done in clos n long provide of 2m along t ng retro- refle	se vicinity of the ed with hooks e he track.12mm ctive tapes in H	track. Fencing shad. tc.and embedded dia rods in three	nall consist o in CC 1:2:4 horizontal la al direction. I	fencing along the f self-supporting st block of size 0.23 yers tack welded v Note: Released maid separately.	teel angles of 3x0.23x0.23m vith the angle
	Please se	e Item Break	up for details.		115703.73	AT Par	115703.73	
2	including layers wit						cavated material, I	
		of surplus so	oil up to a lea	ad of 300m, all	•	and strutting	ng with all labour	•
	complete	of surplus so as per drawi	oil up to a lea	ad of 300m, all	types of shoring	and struttingineer	ng with all labour	•
3	Please se Descripti miscellane	of surplus so as per drawin e Item Break on:- 20230- eous works li	oil up to a leang and technic up for details. Providing and ke side drains	ad of 300m, all cal specifications I laying in pos , foundation for	types of shoring as directed by Er 95018.08 ition Plain ceme	and struttingineer AT Par nt concrete	ng with all labour	and material
3	Please se Descripti miscellane	of surplus so as per drawin e Item Break on:- 20230- eous works li	oil up to a leang and technic up for details. Providing and ke side drains	ad of 300m, all cal specifications I laying in pos , foundation for	types of shoring as directed by Er 95018.08 ition Plain ceme OHE masts and op to plinth level:	and struttingineer AT Par nt concrete	95018.08 of specified Non aneous structures	and material

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	Please see Item Breakup for details.	1490616.06	AT Par	1490616.06
	Description:- 22050-Providing and laying in position			
5	Design Mix Cement Concrete of specified grade (Cast coarse sand of approved quality for the following Reinfold m from foundation top level, including finishing, usin modify workability & other properties without impairing direction of the Engineer in charge. Payment for cement	in Situ) using 2 orced cement of g Admixtures i strength and d	Omm graded concrete strun n approved p urability com	d crushed stone aggregate an actural elements up to height o proportions (as per IS:9103), t aplete as per specifications an
	Please see Item Breakup for details.	7453116.00	AT Par	7453116.00
6	Description:- 22090-Providing, driving and installing B Hydraulic piling Rig of specified diameter and length Concrete, using 20mm graded crushed stone aggregation working load not less than specified, excluding the combedded in pile cap etc. complete, concreting by Admixture in approved proportion (as per IS:9103), plaitance concrete above cut off level etc., pumping and crossing of tracks if required, as per approved drawing Length of the pile for payment shall be measured up to cement, permanent casing pipe (if any) & reinforcement	a below pile ca ate and coarse cost of perman machine bat lacing with tren bailing out wate ng, specificatio the bottom of p	up of specific sand of appenent casing ching, machine pipe, chiler with all laber and directuile cap exclusions.	ed grade Design Mix Cemer proved quality, to carry a saf pipe and length of pile to bine mixing, scaffolding, usinoping off of pile top to removour material complete including of the Engineer in charge
	Please see Item Breakup for details.	781799.48	AT Par	781799.48
/	Description: 25030-Centring and shuttering including	strutting, propp	ing etc. and	removal of form for :
	Please see Item Breakup for details.	63681.51	AT Par	63681.51
8	Description:- 22120-Conducting load testing of a sing (Part-IV) including installation of loading platform and dismantling of test cap after test etc. with all labour, may as per drawing and specification, as directed by the Eng	preparation of aterial, tool & p	pile head o	or construction of test cap and
	Please see Item Breakup for details.	23824.30	AT Par	23824.30
9	Description:- 22130-Lateral load testing of single pile for determining safe allowable lateral load of pile" with etc complete as per drawing and specification as directed	all labour, ma	terial, tool &	· · · · · · · · · · · · · · · · · · ·
	22140 28.00 Each 3523.21	98649.88	AT Par	98649.88
10	Description:- Pulse Echo Test (PET) for integrity testir The rate includes cost of Inspection of site, preparation the test, submission of reports in triplicate as per satisfact.	ng of piles with n of pile head	contractor's and any other	men, materials and machines er unforeseen cost required fo
10	Description:- Pulse Echo Test (PET) for integrity testing. The rate includes cost of Inspection of site, preparation.	ng of piles with n of pile head	contractor's and any other	men, materials and machines er unforeseen cost required fo
	Description:- Pulse Echo Test (PET) for integrity testing. The rate includes cost of Inspection of site, preparation the test, submission of reports in triplicate as per satisfact.	ng of piles with n of pile head ction of the Eng 470244.96 of standard pre r Road Over Bi pplying, fixing v	contractor's and any othe ineer in Cha AT Par eformed sea idges as per vith contract	men, materials and machines er unforeseen cost required for the region of the region o
11	Description:- Pulse Echo Test (PET) for integrity testir The rate includes cost of Inspection of site, preparation the test, submission of reports in triplicate as per satisface Please see Item Breakup for details. Description:- 31102-Providing and fixing in position of elastomeric type expansion joints for Railway bridge or MOST/IRC specifications. The rates are inclusive of sul bolts, socket tubes, Neoprene sheet/cap etc., equipme	ng of piles with n of pile head ction of the Eng 470244.96 of standard pre r Road Over Bi pplying, fixing v	contractor's and any othe ineer in Cha AT Par eformed sea idges as per vith contract	men, materials and machines er unforeseen cost required for the region of the region o
	Description:- Pulse Echo Test (PET) for integrity testir The rate includes cost of Inspection of site, preparation the test, submission of reports in triplicate as per satisface Please see Item Breakup for details. Description:- 31102-Providing and fixing in position of elastomeric type expansion joints for Railway bridge or MOST/IRC specifications. The rates are inclusive of sul bolts, socket tubes, Neoprene sheet/cap etc., equipme transport, testing, surface preparations, complete	ng of piles with n of pile head ction of the Eng 470244.96 of standard pre r Road Over Br pplying, fixing vent's, machineri 175445.85 ns of bridge as ay codes with ng the load te ill be paid after	contractor's and any other incer in Cha AT Par offormed sea idges as per with contractores, labour, a AT Par selected by contractor's esting results load test is formed sea.	men, materials and machines er unforeseen cost required for rege at site. 470244.96 led and slab type or strip sear approved drawings and lates or's own materials, e.g. inserts all taxes, royalty, all lead & lifts 175445.85 the Engineer as per approved labour, deflection measuring is including all lead & lift, etcinished and girder is cleared or
11	Description:- Pulse Echo Test (PET) for integrity testir The rate includes cost of Inspection of site, preparation the test, submission of reports in triplicate as per satisface Please see Item Breakup for details. Description:- 31102-Providing and fixing in position of elastomeric type expansion joints for Railway bridge or MOST/IRC specifications. The rates are inclusive of sup bolts, socket tubes, Neoprene sheet/cap etc., equipme transport, testing, surface preparations, complete Please see Item Breakup for details. Description:- 31110-Load testing of one or more spar load test procedure following relevant IS/IRC/Railwa instruments, loading materials, recoding and analyzin complete as required. The rates are all inclusive and wi	ng of piles with n of pile head ction of the Eng 470244.96 of standard pre r Road Over Br pplying, fixing vent's, machineri 175445.85 ns of bridge as ay codes with ng the load te ill be paid after	contractor's and any other incer in Cha AT Par offormed sea idges as per with contractores, labour, a AT Par selected by contractor's esting results load test is formed sea.	men, materials and machines or unforeseen cost required for the regard site. 470244.96 led and slab type or strip sear approved drawings and lates or's own materials, e.g. inserts all taxes, royalty, all lead & lifts 175445.85 the Engineer as per approved labour, deflection measuring is including all lead & lift, etcinished and girder is cleared to
11	Description:- Pulse Echo Test (PET) for integrity testir The rate includes cost of Inspection of site, preparation the test, submission of reports in triplicate as per satisface. Please see Item Breakup for details. Description:- 31102-Providing and fixing in position of elastomeric type expansion joints for Railway bridge or MOST/IRC specifications. The rates are inclusive of supports, socket tubes, Neoprene sheet/cap etc., equipme transport, testing, surface preparations, complete. Please see Item Breakup for details. Description:- 31110-Load testing of one or more spar load test procedure following relevant IS/IRC/Railway instruments, loading materials, recoding and analyzing complete as required. The rates are all inclusive and with the kentledges/loading material etc. The load shall be 1. 41070 2869.97 Kg 85.35 Description:- Supplying and fixing M.S. Angles 65mms the nosing of steps of stair cases of Foot Over Bridges and fixing with main girder with M.S. flat, making anti-stails.	ng of piles with n of pile head ction of the Eng 470244.96 of standard present Road Over Bright Piles (1988) of standard present's, machineric 175445.85 of bridge as any codes with ng the load term of the paid after 1989 of the second standard present 1989 of bridge as any codes with ng the load term of the paid after 1989 of the paid after 1	contractor's and any other incer in Charles as per vith contractives, labour, a selected by contractor's sting results load test is fipulated des AT Par or any other vision of 10mnts over the	men, materials and machines or unforeseen cost required for rege at site. 470244.96 led and slab type or strip sear approved drawings and lates or's own materials, e.g. inserts all taxes, royalty, all lead & lifts 175445.85 the Engineer as per approved labour, deflection measuring including all lead & lift, etclinished and girder is cleared or ign load. 244951.94 r size conforming to IS:2062 in m dia, anchor bar 600mm c/top of nosing as per approved.
11	Description:- Pulse Echo Test (PET) for integrity testir The rate includes cost of Inspection of site, preparation the test, submission of reports in triplicate as per satisface. Please see Item Breakup for details. Description:- 31102-Providing and fixing in position of elastomeric type expansion joints for Railway bridge or MOST/IRC specifications. The rates are inclusive of supports, socket tubes, Neoprene sheet/cap etc., equipme transport, testing, surface preparations, complete. Please see Item Breakup for details. Description:- 31110-Load testing of one or more spar load test procedure following relevant IS/IRC/Railway instruments, loading materials, recoding and analyzing complete as required. The rates are all inclusive and with the kentledges/loading material etc. The load shall be 1. 41070 2869.97 Kg 85.35 Description:- Supplying and fixing M.S. Angles 65mms the nosing of steps of stair cases of Foot Over Bridges	ng of piles with n of pile head ction of the Eng 470244.96 of standard presents, machinering 175445.85 of bridge as any codes with ng the load terms 175445.94 of standard presents and the standard presents of bridge as any codes with ng the load terms 175445.94 of standard presents and the standard presents of bridge as any codes with ng the load terms 1754951.94 of standard presents of bridge arrangements and piles arrangements of standard presents of the standard p	contractor's and any other incer in Charles as per vith contractives, labour, a selected by contractor's sting results load test is fipulated des AT Par or any other vision of 10mnts over the	men, materials and machines or unforeseen cost required for rege at site. 470244.96 led and slab type or strip sear approved drawings and lates or's own materials, e.g. inserts all taxes, royalty, all lead & lifts 175445.85 the Engineer as per approved labour, deflection measuring including all lead & lift, etclinished and girder is cleared or ign load. 244951.94 r size conforming to IS:2062 in m dia, anchor bar 600mm c/top of nosing as per approved.
11	Description:- Pulse Echo Test (PET) for integrity testir The rate includes cost of Inspection of site, preparation the test, submission of reports in triplicate as per satisface. Please see Item Breakup for details. Description:- 31102-Providing and fixing in position of elastomeric type expansion joints for Railway bridge or MOST/IRC specifications. The rates are inclusive of supports, socket tubes, Neoprene sheet/cap etc., equipme transport, testing, surface preparations, complete. Please see Item Breakup for details. Description:- 31110-Load testing of one or more spar load test procedure following relevant IS/IRC/Railway instruments, loading materials, recoding and analyzing complete as required. The rates are all inclusive and with the kentledges/loading material etc. The load shall be 1. 41070 2869.97 Kg 85.35 Description:- Supplying and fixing M.S. Angles 65mms the nosing of steps of stair cases of Foot Over Bridges and fixing with main girder with M.S. flat, making anti-scheme given by Engineer in charge with all material, la	ng of piles with n of pile head ction of the Eng 470244.96 of standard present Road Over Broplying, fixing words, machineria 175445.85 as of bridge as any codes with ng the load terill be paid after .25 times the serious 244951.94 of 5mmx 8mm including proslip arrangement abour, T&P as a 77916.00 of 110mm UP	contractor's and any other ineer in Cha AT Par eformed sea idges as pervith contractores, labour, a selected by contractor's esting results load test is fingulated des AT Par or any other vision of 10mnts over the complete jo AT Par	men, materials and machines or unforeseen cost required for rege at site. 470244.96 led and slab type or strip sear approved drawings and lates or's own materials, e.g. inserts all taxes, royalty, all lead & lifts 175445.85 the Engineer as per approve labour, deflection measurings including all lead & lift, etclinished and girder is cleared or ign load. 244951.94 r size conforming to IS:2062 in m dia, anchor bar 600mm c/top of nosing as per approve b. 77916.00

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Description:- 041130-Design, supply, fitting and fixing in position true to line and level POT-PTFE bearing of 300MT Capacity, consisting of a metal piston supported by a disc or un reinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elastomer elements complete as per IS:2062, IS:1030, AISI:304, AISI:316, IS:6911, BS:3784, IS:3400, IS:226, BS-5400, Bridge Code and a sper approved drawing and Technical Specifications. The design of the bearings shall be submitted by the manufacturers / contractor and got approved from Railway before fixing. Test report after inspection of the bearings shall be submitted and got approved before the materials are lifted from the manufacturer premises. Any 1.00 Lumpsum 1000000.00 1000000.00 AT Par 1000000.00 Other 16 Description:- Any Other USSOR items as per instructions of site engineer

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedul	e A2-USSOF	R-19					29888657.90	Above/ Below/Par
	Please see	Item Breakup	for details	•	705672.50	AT Par	705672.50	
1	foundations bottom, get layers by ra	and floors of ting out the of umming and strutting with	of the bridg excavated r watering et	jes, retaining material, back c. including a	walls etc. includin filling in layers wit Il lift, disposal of s	ng setting out th approved i surplus soil u	ic Excavator)/Manu i, dressing of sides material and conso pto a lead of 300n echnical specification	, ramming o idation of the n, all types o
	052040	150.00	cum	1669.17	250375.50	AT Par	250375.50	
2	crossing of slush is enc	tracks as pe	r drawing a	nd technical s	pecification as dire	ected by the I	II labour, lead, lift, Engineer in charge the filtering media	•
	22060	75.00	cum	3054.24	229068.00		229068.00	
3	size, in fou bailing out v	ndation and vater where e	floors, reta ever require	ining walls o	f bridges including	g mechanical complete but e	one aggregate of 4 mixing, vibrating, excluding the cost o	pumping and
	024010	800.00	cum	3382.30	2705840.00	AT Par	2705840.00	
4	Mix Cement haunch fillin of approved IS:9103), to drawings ar	Concrete of g head walls d quality of modify wor	specified g or any other RCC box of kability & of specification	rade (Cast in- er component of any size in other properti	Situ/Pre-cast) in b using 20mm grad cluding finishing, es without impairi	oottom/top sla ed crushed s Admixtures i ing strength	ed and machine vibb, side walls, toe watone aggregate and approved propor and durability, cont for cement, reinforcement, reinforcement.	all and sumps I coarse sand tions (as pe aplete as pe
	Please see	Item Breakup	for details		738715.00	AT Par	738715.00	
5	complete a		nical Speci	fication and p		-	ealing of cracks, th a No 209 including	
^	Please see	Item Breakup	for details		2099104.00	AT Par	2099104.00	
6	Description	1:- 025030-C	entering an	d shuttering ir	ncluding strutting, p	propping etc.	and removal of forr	n for :
	052280	360.00	HP Hour	50.47	18169.20	AT Par	18169.20	
7	-	1:- Dewaterir mp multiplied	_		ated water from a	any location.	Payment to be do	ne for Horse
	041080	1200.00	Kg	172.39	206868.00	AT Par	206868.00	
8		tructures wit					ng to IS:1364 in cor vith all material, lab	
	Please see	Item Breakup	for details		15320.40	AT Par	15320.40	
9	where work 50mm x 50	is to be dor mm x 6mm, 3m placed a	ne in close 1.5m long at c/c distan	vicinity of trac provided with ace of 2m alor	ck. Fencing shall on hooks etc. and end of track. 12mm die	consist of sel embedded in	able fencing along f-supporting steel a CC 1:2:4 block of se horizontal layers	angles of size size 0.23m > shall be tack

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	Please see Item Brea	kun for dotaile		3290986.20	AT Par	3290986.20	
10	Description:- 025060	-	na Cement a		Airai	3290900.20	
	Please see Item Brea	,	ng comoni t	9218000.00	AT Par	9218000.00	
11	Description: 025070	-	mont for P		l .		placing in
	position and binding a		inent for it.	C.C. WORK INCIDENTING	Straightening	, cutting, bending	, placing in
	041390 20.	00 MT	94977.24	1899544.80	AT Par	1899544.80	
12	Description:- Supply sections, trusses and tees, angles and cha steel including cutting Providing stiffeners w steel primer with all coetc., complete as per	framed work, s nnels/flats, plate, bending, straig herever required ontractor's mate specification and	taging, racks es, gussets, htening, drill d as per app rials, labour, d as directed	s etc.for Steel Struct round or square bating, riveting, hoisting roved drawing inclutions & plants, lead	tures other that ars, cleats, bolg, fixing, erecti ding applying & lift including	an bridge girders, Its etc., with conti ing, welding, boltii a priming coat of crossing of track	using RSJ, ractors own ng etc., with a approved
	131270 25.	00 Day	18303.92	457598.00	AT Par	457598.00	
13	Description:- Mainte section for carrying of LWR Manual for safe directed by Engineer minimum 20 labours contractor provides leperson}	out various main running of goo in-charge. {Note with sufficient	tenance wo ds and pass : (1) Contra experience	rks listed in Indian enger trains with co actor shall arrange of in P.Way working	Railways P.Wa ontractor's tool one gang at ar and one P.W	ay Manual / Bridgs / labours etc. cay point of time colors. (ge Manual / omplete, as omprising of 2) In case,
	31120 529.	RM	12183.55	6446316.30	AT Par	6446316.30	
14	Description:- Design thrust bed for RUB/RC pushing in correct posapproved drawing for whenever required an watering if required, ucoat as per approved barriers if required, produced barriers if required, provential size 750X720X of cutting edges, provall fittings wherever rearrangements, other swith all contractors mishuttering, labour, to respect with all lead a items of work/supplier reinforcement & shuttitem of USSOR. (2) I rates of excavation for	OB/Canal works sition and alignm vent way of any disposal of suunder traffic condrawing of M 20 arapet walls on 60X450X50mm of 60X50mm of 60X	with weigh be and to be a with weigh a with or replus earth a ditions of Electrical control of the protection of the protection and as job in all reads and rock is earth of the protection and as job in all reads and rock is earth or protection and as job in all reads and rock is earth or protection and as job in all reads and rock is earth or protection and as job in all reads and rock is earth or protection and as job in all reads and rock is earth or protection and as job in all reads and rock is earth or protection and as job in all reads and rock is earth or protection and protection and protection and protection and protection and protection are replicated as a protection and protection and protection are replicated as a protection are replicated as a protection and protection are replicated as a protection and protection are replicated as a protection are replicated as a protection and protection are replicated as a protection and protection are replicated as a protection are	patching/using RMC ailway track/Road by without surcharge in the without surcharge in the without surcharge in the way from vent way extrified/Non-Electrified bove concrete, including cast in-siture but ments/returns, cannot in box portion and uit pipes, junction ons, generator of recon of track/road traffied Concrete (if requand any other mates directed by Engine espects except cost and (ii) Thrust Bed on incountered in place	of Specified g y jacking by 'B n all types of so upto a maximulied sections, fi ding footpaths plaques for in asting of bridg as per approve a boxes of app equired capac fic etc., during uired), reinforce reial required per incharge. No to of Reinforce ally which shall of soil, differe	rade controlled or ox pushing technicals including short in lead of 1 Km in ixing of drag sheet in case of drag particular enumber plaque of drawing/schemeroved dimension ity for power supplexecution of workerment steel, strufor execution of lote: (1) The rated cement concrebe paid extra undence between the	oncrete and que" as per ing/strutting ncluding de- ets, wearing kerbs/crash rs of bridge es in situ of e, provision and quality, bly, lighting, ctural steel, work in all includes all te, cement, der relevant e respective
	Please see Item Brea	kup for details.		1107080.00	AT Par	1107080.00	
15	Description:- 131580 approved make with c	_	-			ng track with ena	mel paint of
	Lump Sum		•	500000.00	AT Par	500000.00	
16	Description :- Any O	ther USSOR iten	ns as per ins	l l	J	l	
				•			

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule	Schedule B1-USSOR-2019							Above/ Below/Par
17	Please see	Item Breakı	AT Par	8702981.20				
17	Description:- 25060-Supply and using Cement at Worksite							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule	Schedule B2-DSR-21							Above/ Below/Par
	А	720.00	Sqm	756.64	544780.80	AT Par	544780.80	

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17	Description:- 12.5-Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer in-charge. The sheet shall be fixed using self-drilling /self-tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.							
18	Please see Item Breakup for details. 610855.00 AT Par 610855.00 Description:- 10.16-Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.							
19	A 30.00 Sqm 702.84 21085.20 AT Par 21085.20 Description:- 16 . 62 - Providing and applying 2.5 mm thick road marking strips (retro reflective) of specified shade/ colour using hot thermoplastic material by fully/ semi-automatic thermoplastic paint applicator machine fitted with profile shoe, glass beads dispenser, propane tank heater and profile shoe heater, driven by experienced operator on road surface including cost of material, labour, T&P, cleaning the road surface of all dirt, seals, oil, grease and foreign material etc. complete as per direction of Engineer-in-charge and accordance with applicable specifications.							
20	Lump Sum 100000.00 AT Par 100000.00 Description :- Any Other DSR items as per instructions of site engineer							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedul	e C1-USSO	R-2019	28690477.20	Above/ Below/Par				
	Please see Item Breakup for details. 28690477.20						28690477.20	
18	Description:- 25070-Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete							

S.No.	Item	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
	Code	-	-					_
Schedul	e C2-NON	SCHEDULE					10672368.00	Above/ Below/Par
	NS1	600.00	Kg	13353.03	8011818.00	AT Par	8011818.00	
21				g of Sheet p moval of shee		nd shuttering	near exisiting rail	way track for
	NS2	2500.00	Metre	305.28	763200.00	AT Par	763200.00	
22	10 mtr to 2 level of RC driving nai	25 mtr by suit: CC boxes inclinds operation,	able (Manual uding provisions of MS	al/mechanical/ sion/erection o S plates if requ	pneumatic means f suitable platform	in existing state at various he	f varying length rar rata up to 7 mtr hei eight required for co complete job. Not	ght above bed utting welding,
	NS3	1000.00	Kg	1373.62	1373620.00	AT Par	1373620.00	
23	high intens	_	elp of high	pressure PU			ng and injecting PU se in good condition	_
	NS4	250.00	cum	2094.92	523730.00	AT Par	523730.00	
24	tools, equ	ipment, mad	hinery etc	as per direct	ion of Engineer i	n charge ,ra	r media) with contr tes includes lift 1. sportation up to wo	5m, watering,

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule	e D1-DSR-2	1		3595139.79	Above/ Below/Par			
	Please see Item Breakup for details. 309715.97 AT Pa						309715.97	
19	•		J	ying in posit p to plinth lev	ion cement concre el	ete of specifi	ed grade excludir	ng the cost of

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	Please see Item Breakup for details. 1110613.99 AT Par 1110613.99
	Description:- 4.2-Providing and laying cement concrete in retaining walls, return walls, walls (any thickness)
20	including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:
	Please see Item Breakup for details. 133645.67 AT Par 133645.67
21	Description:- 4.4-Providing and laying cement concrete in kerbs, steps and the like at or near ground level excluding the cost of centering, shuttering and finishing.
22	Please see Item Breakup for details. 565073.44 AT Par 565073.44
22	Description:- 5.9-Centering and shuttering including strutting, propping etc. and removal of form work for :
00	Please see Item Breakup for details. 103657.63 AT Par 103657.63
23	Description:- 6.1-Brick work with non-modular (FPS) bricks of class designation 7.5 in foundation and plinth in :
	Please see Item Breakup for details. 146530.00 AT Par 146530.00
24	Description:- 10.25-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.
	Please see Item Breakup for details. 210320.60 AT Par 210320.60
25	Description:- 10.26-Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.
	Please see Item Breakup for details. 51079.54 AT Par 51079.54
26	Description:- 11.19-Chequered terrazo tiles 22 mm thick with graded marble chips of size up to 6 mm in floors, jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete, on 20 mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand)
27	Please see Item Breakup for details. 11091.21 AT Par 11091.21
21	Description:- 13.1-12 mm cement plaster of mix -
	Please see Item Breakup for details. 7366.31 AT Par 7366.31
28	Description:- 13.61-Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:
	Please see Item Breakup for details. 15214.79 AT Par 15214.79
29	Description:- 13.98-Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:
	A 311.50 cum 2835.25 883180.38 AT Par 883180.38
30	Description:- 15.3-Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge
0.1	A 1552.87 Kg 7.49 11631.00 AT Par 11631.00
31	Description:- 15.6-Extra for scraping, cleaning, straightening reinforcement from R.C.C. or R.B. work
	Please see Item Breakup for details. 24156.00 AT Par 24156.00
32	Description:- 16.48-Painting road surface marking with adequate nos of coats to give uniform finish with ready mixed road marking paint conforming to IS: 164, on bituminous surface in white/yellow shade, including cleaning the surface of all dirt, scales, oil, grease and foreign material etc. complete.
	A 54.00 Each 219.69 11863.26 AT Par 11863.26
33	Description:- 15.5-Providing and fixing Glow studs of size 100x20 mm made of heavy duty body shall be moulded ASA (Acrylic styrene Acryloretrite) or HIP (High impact polystyrene) or ABS having electronically welded micro- prismatic lens with abrasion resistant coating as approved by Engineer in charge. The glow stud shall support a load of 13635 kg tested in accordance with ASTM D4280. The slope of retro- reflective surface shall be 35 (+/-5) degress to base .The reflective panels on both sides with at least 12 cm of reflective area up each side. The luminance intensity should be as per the specification and shall be tested as described in ASTM I: 809 as

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit	
Schedul	e D2-DSR/N	ION SCHEDUL	E				9381766.80	Above/ Below/Par	
O.F.	А	6225.00	Sqm	13.52	84162.00	AT Par	84162.00		
25	Description:- DSR/0323-BASIC RATE								
	Α	239.06	Sqm	450.68	107739.56	AT Par	107739.56		
26					•				

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	Descriptio	n:- DSR/0374-BA	SIC RATE	-Pre Moulde	ed Joint Filler, 25m	m Thick for ex	pansion joint	
	NS1	11925.00	Sqm	42.15	502638.75	AT Par	502638.75	
27	consolidati	•	d roller c	f 8 to 12 to	avating earth upt			
	NS2	3442.50	cum	230.46	793358.55	AT Par	793358.55	
28	trolley refugarranged by condition condition condition condition clearance, all handling	ges, rain bunds if by the contractor of contract includ s. The rates shall removing of shrut g/re-handling. Tax	provided, at his or ing all le include alos, roots oes, octroi	platforms e wn cost as ads, royalty I dressing of of vegetation and royalty	t, guide bunds, a tc. with earth exca per RDSO's lates r, lifts, ascents, d bank to final profil by growth, heavy getc. as a complete specified otherwise	vated from out t guidelines a escents, cross le, demarcation grass, benching e job. Cut tree	tside railway bound specifications sing of nallahs on and setting out of gof existing slopes shall be propert	and special or any other of profile, site of old bank, y of railways
	NS3	3442.50	cum	15.72	54116.10	AT Par	54116.10	
29	contractor's	s rollers of suitable es incl. const of w	e capacity ater, T&F	, type and so consumable	n of earth/blank size to achieve spe e material and all arthwork in Railwa	cified density a labour as a co	as per specification	on, testing as work is to be
	NS4	843.75	cum	2991.35	2523951.56	AT Par	2523951.56	
30	cement, co	earse sand and gr teel form work, o	aded stor curing, pr	ne aggregate oviding and	ment concrete in r e of 40mm nomina filling constructio e edges, making &	ıl size as per a n & dummy j	approved design. oints with approv	mechanically ed joint filler
	Please see	Item Breakup for	details.		99640.80	AT Par	99640.80	
31	etc with col		iff mixture	of cement i	essure NP3 class (mortar in the propo	• .	• •	-
	NS7	4500.00	Sqm	137.18	617310.00	AT Par	617310.00	
32	50mm nom		ep with b	inding mate	ration of subgrad			
	NS8	933.75	cum	4925.14	4598849.48	AT Par	4598849.48	
33	fine aggreg not to exce than 150 k not to be le mechanica	gate conforming to red 15:1, aggregat g/cum, optimum n rss than 10 Mpa a	IS:383, t e gradati noisture d 7 days, i	he size of co on after blen ontent to be mixed in a ba	oncrete sub base of parse aggregate no iding to be as per se determined durin atching plant, trans ratory roller, finishi	ot exceeding 25 specifications, g trial length of sported to site,	5 mm, aggregate cement content no construction, conc for all leads & lift	cement ratio to to be less rete strength s, laid with a

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedu	le E1-NON-	SCHEDULE					77096144.55	Above/ Below/Par
	NS1	210.06	cum	9698.31	2037227.00	AT Par	2037227.00	
34	Mix Cement Concrete M-35/M-40 grade (Cast in situ) using 20 mm graded crushed stone aggregate and c sand of approved quality in RCC deck slab laid to required camber including end cantilever, RCC crash by RCC railing, etc. including pumping of concrete to site of laying, finishing, using admixtures in recommendation proportions (as per IS: 9103), if approved in mix design to accelerate or retard setting of concrete, im workability without impairing strength and durability with all contractor's labour, tools & plants, material consumables, machinery, loading, unloading, lead and lift complete in all respect as a complete job a specification & as directed by Engineer.							crash barrier, ecommended rete, improve naterial, fuel,
	NS2	53.00	cum	5205.95	275915.35	AT Par	275915.35	
		l			Į.	l		

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setting & plan completed NS3 Descrit construction for the graph steel graph s	scription:- Supplying & fabricating of steel girder spans as per the approved drawings for composite nstruction i.e. (steel + RCC) of superstructure of the Road over Bridge with contractor's own mild steel firming to IS: 2062Grade 250(B0) with all welds, rivets, nuts, boths, shear struts with contractor's own terials, fabrication, machiner, templates, fixtures, equipment's tools and plants, transportation, skilled/unskilled our, excise duty sales tax and other taxes all leads lifts, descent, loading, unloading, crossing one or more liway track if required etc complete and as per technical specifications. The rate is inclusive of transportation of vicated girder parts to site by contractor's own means at his cost. The rate shall also be inclusive of cold alghtening of deformed and bent girder parts before their assembly. The structural steel to be used should be unufactured by SAIL/RINL/TISCO only. Work has to be done as per drawings and specifications approved by the more many shall be done as per RDSO specification. NOTE:- (i) The Fabrication of girders must be got ne from RDSO approved firms for Steel Bridge Girders only (ii) For payment purpose, nominal sectional weight the girder as per drawing will only be considered. (iii) Inspection of girder shall be done by RDSO / Paliway. (iv) Laizling should be used and payment is made separately vide IRUSSOR-2191 item No. 041050. The rate is lusive of inspection & testing charges of RDSO/Faliway if any (v) In case non availability of 80 grade steel then girade may be used with the prior approval of CA. The rates will be reduced of Rs. 4000-/ MT. Note: Since critical shuttering is not part of girder, its payment should be made under relevant items of CPWD DSR-2021. (ce in deck slab concreting, sacrificial shuttering is paid separately, suitable deduction in concreting item of ke slab needs to be made in case the litem of concreting includes shuttering. 4	36	setting of cone & plants, mat complete job a NS3 Description: construction i confirming to materials, fabi labour, excise Railway track fabricated gird straightening of manufactured Railway. Meta done from RD of the girder a Metalizing sho inclusive of ins BR grade may sacrificial shut Since in deck deck slab nee NS4 Description:- per approved steel girder sy necessary in perection and of of assembly, of and bent girder rate is includicadvance for a	crete, improterial, fuel, as per spectoder spectoder parts to deformed by SAIL/R alizing shall as per drawing spection & to be made at the spection & to be made at the spection & to be made at the spectoder parts to be used by SAIL/R alizing shall as per drawing by be used by by be used by by be used by	MT & fabricat RCC) of Grade 250(Eachiner, temes tax and of etc complete to site by cood and bent of site for	lity without impaces, machinery, so directed by En 126822.96 ing of steel gisuperstructure 30) with all we plates, fixtures, ther taxes all lese and as per tecontractor's own girder parts before only. Work has a per RDSO specific parts before only in the steel Bridge Gibe considered. The per approval of Coder, its payment ficial shuttering the item of conditions and as per and scaffolding of girders. The leir assembly. Viching scheme in the steel of the scaffolding of girders. The leir assembly. Viching scheme in the scaffolding of girders.	airing strength and loading, unloading gineer. 53265643.20 Inder spans as profession of the Road overlds, rivets, nuts, equipment's tools and lifts, descent, chnical specification means at his cost to be done as perification. NOTE: refers only (ii) For (iii) Inspection of great alway if any (v) In CA. The rates will at should be made is paid separately streting includes should be made in the specification of the specification includes should be made in the specification of the specification includes should be made in the specification of the speci	AT Par er the approver Bridge with bolts, shear and plants, trail loading, unloading, and plants, trail loading, unloading, and plants, trail loading, and plants, a	struts with contractor's own mild steeper struts with contractor's own mild steeper struts with contractor's own ansportation, skilled/unskilled ading, crossing one or most inclusive of transportation hall also be inclusive of coal steel to be used should be despecifications approved by the struts with contractor's own ansportation, skilled/unskilled ading, crossing one or most inclusive of transportation hall also be inclusive of coal steel to be used should be despecifications approved by the steel to be used should be despecifications approved by RDSO / Railway. (if the steel to be used should be despecification approved the steel the
scomples NS3 Descri constructonfirm material labour, Railwat fabrica straigh manufa Railwat done fro the general sacrification of	mplete job as per specification & as directed by Engineer. 3 420.00 MT 126822.96 53265643.20 AT Par 53265643.20 scription: Supplying & fabricating of steel girder spans as per the approved drawings for composite instruction i.e. (steel + RCC) of superstructure of the Road over Bridge with contractor's own mild steel infirming to IS: 2062Grade 250(BD) with all welds, rivets, nuts, bolts, shear struts with contractor's own mild steel infirming to IS: 2062Grade 250(BD) with all welds, rivets, nuts, bolts, shear struts with contractor's own mens at the contraction, machiner, templates, fixtures, equipment's tools and plants, transportation, skilled/unskilled our, excise duty sales tax and other taxes all leads lifts, descent, loading, unloading, crossing one or more with a property of the complete and as per technical specifications. The rate is inclusive of transportation of vircated girder parts to site by contractor's own means at his cost. The rate shall also be inclusive of conditional register parts before their assembly. The structural steel to be used should be nurfactured by SAIL/RINL/TISCO only. Work has to be done as per drawings and specifications approved by invay. Metalizing shall be done as per RDSO specifications. NCDE: (i) The Fabrication of girders must be got her form RDSO approved firms for Steel Bridge Girders only (ii) For payment purpose, nominal sectional weight the girder as per drawing will only be considered. (iii) Inspection of girder shall be done by RDSO / Railway, (iv) traitizing should be used and payment is made separately vide IRUSSOR-2016 item No. 041050. The rate is lusive of inspection & testing charges of RDSO/Railway if any (v) In case non availability of B0 grade steel then grade may be used with the prior approval of CA. The rates will be reduced of Rs. 4000/- MT. Note: Since of heck slab concreting, sacrificial shuttering is paid separately, suitable deduction in concreting item of ke slab needs to be made in case the item of concreting includes shuttering. 44 420.00 M	36	complete job a NS3 Description: construction i confirming to materials, fabi labour, excise Railway track fabricated gird straightening manufactured Railway. Meta done from RD of the girder a Metalizing sho inclusive of ins BR grade may sacrificial shut Since in deck deck slab nee NS4 Description:- per approved steel girder sy necessary in gerection and of of assembly, e and bent gird rate is includi advance for a	as per spectors as per spectors as per spectors. Supplying see. (steel of the spectors as per drawing spectors as per drawing spectors as per drawing spectors. Assembling drawings) pan to Railly or per level dismantling erection and er parts being submissipproval of controls.	MT & fabrication & as fabrication & fabrication & fabrication & farade 250(Eachiner, temps tax and of farade 250(Eachiner, temps tax and of fatronia detection of the fatroni	s directed by En 126822.96 ing of steel gi superstructure 30) with all we plates, fixtures, ther taxes all le and as per tecentractor's own girder parts befonly. Work has a per RDSO specifical Bridge Gibe considered. The per soft of Construction of Const	rder spans as por the Road over their assembly to be done as port to be done as port their assembly to be done as port their and the rates will also be with other ancillary technical specification of their and other tempor rate shall also be work has to be done as port to be done as port their assembly thein assembly their assembly their assembly their assembly their ass	er the approver Bridge with bolts, shear and plants, trail loading, unloading. The rate is st. The rate is st. The structurater drawings and (i) The Fabric payment purpoper shall be of JSSOR-2019 it case non avail be reduced of under relevantly, suitable decuttering. AT Par of Structurations. The rate ary arrangement inclusive of come as per drail	struts with contractor's own mild steps struts with contractor's own mild steps struts with contractor's own ansportation, skilled/unskilled ading, crossing one or most inclusive of transportation hall also be inclusive of coal steel to be used should be described as a specifications approved by the coal of girders must be goose, nominal sectional weign done by RDSO / Railway. (in the coal steel the few sections and sections approved by RDSO / Railway. (in the coal steel the few sections and sections in the coal steel the few sections and launching the coal steel the few sections and launching the shall be inclusive of supposed straightening of deformations and specification. The contractions and specification. The contractions are specification. The contractions are specification.
NS3 Descri constru confirm materia labour, Railwa fabrica straigh manufa Railwa done fr of the g Metaliz inclusiv BR gra sacrific Since i deck sl NS4 Descri per ap steel g necess and be rate is advanc as per NS5 NS6 Descri Over B NS7 Descri of cab dia120 sizeupi the cal	scription:- Supplying & labricating of steel girder spans as per the approved drawings for composite struction is. (steel + RCC) of superstructure of the Road over Bridge with contractor's own mild steel filtriming to IS: 2062Grade 250(B0) with all welds, rivets, nuts, bolts, shear struts with contractor's own terials, fabrication, machiner, templates, fixtures, equipment's tools and plants, transportation, skilled/unskilled our, excise duty sales tax and other taxes all leads lifts, descent, loading, unloading, crossing one or more ilway track if required etc complete and as per technical specifications. The rate is inclusive of transportation of vicated girder parts to site by contractor's own means at his cost. The rate shall also be inclusive of cold aightening of deformed and bent girder parts before their assembly. The structural steel to be used should be unifactured by SALI/RINLT/ISCO only. Work has to be done as per drawings and specifications approved by ilway. Metalizing shall be done as per RDSO specification. NOTE: (i) The Fabrication of girders must be got ne from RDSO approved firms for Steel Bridge Girders only (ii) For payment purpose, nominal schlaniway. (iv) stalizing should be used and payment is made separately vide IRUSSOR-2019 item No. 041050. The rate is ususe of inspection & testing charges of RDSO/Plallway! in any (v) In case non availability of 80 grades steel then grade may be used with the prior approval of CA. The rates will be reduced of Rs. 4000/. MT. Note: Since critical shuttering is not part of girder, its payment should be made under relevant items of CPWD DSR-2011. Coc in deck slab concreting, sacrificial shuttering is paid separately, suitable deduction in concreting item of ck slab needs to be made in case the item of concreting includes shuttering. 4 4 420.00 MT 33306.14 13986578.80 AT Par 13388578.80 MT Par 1 13988578.80 AT P	36	NS3 Description: construction i confirming to materials, fabilabour, excise Railway track fabricated gird straightening of manufactured Railway. Meta done from RD of the girder a Metalizing sho inclusive of ins BR grade may sacrificial shut Since in deck deck slab nee NS4 Description:- per approved steel girder sy necessary in gerection and of of assembly, e and bent gird rate is includi advance for a	420.00 - Supplying .e. (steel - IS: 20620 rication, may duty sales if required of der parts to of deformed by SAIL/R dizing shall DSO approve as per drawin ould be use spection & t y be used of tering is not aslab concided to be may 420.00 - Assembling drawings) pan to Railly oroper level dismantling erection and er parts be ng submiss pproval of o	MT & fabricat RCC) of Grade 250(E chiner, tem is tax and of etc complete in the complete in	ing of steel gi superstructure 30) with all we plates, fixtures, ther taxes all le and as per tecentractor's own girder parts befonly. Work has a per RDSO specifical Bridge Gibe considered. The part of Contractor's rive material shuttering the item of concentration of girders. The leir assembly. Viching scheme 1	53265643.20 rder spans as p of the Road ove olds, rivets, nuts, equipment's tools ads lifts, descent, chnical specification means at his cost ore their assembly to be done as per orders only (ii) For rders only (iii) For rders only (iii) For eparately vide IRU allway if any (v) In CA. The rates will t should be made is paid separatel oreting includes sh 13988578.80 ng, Launching, bot orith other ancillary technical specifica and other tempor rate shall also be Vork has to be do	er the approver Bridge with bolts, shear stand plants, transport of the structurations. The rate is stand plants are drawings and the structurations of the structurations of the structurations of the structurations. The rate of the structurations of the structurations. The rate ary arrangement inclusive of come as per dray arrangement of the structurations of the structur	ved drawings for composic contractor's own mild steps struts with contractor's own ansportation, skilled/unskilled ading, crossing one or most inclusive of transportation all also be inclusive of coal steel to be used should be described as a specification approved location of girders must be gose, nominal sectional weign done by RDSO / Railway. (Item No. 041050. The rate all ability of B0 grade steel that f. Rs. 4000/- MT. Note: Single titems of CPWD DSR-202 duction in concreting item a specification in concreting item and specification and launching res fixed to the girder where shall be inclusive of suppents required for the purposal distraightening of deformations and specification. The
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Descri per ap steel g necess are erectio of asse and be rate is advanc as per NS5 Descri Over B NS7 Descri of cab dia120 sizeupi the cal	scription:- Assembling, Welding, Erecting, Riveting, Launching, bolting by HSFG bolts wherever required (As r approved drawings) with contractor's rivet materials, HSFG bolts services bolts, erection and launching of the girder span to Railway's approved drawings with other ancillary steel structures fixed to the girder where cessary in proper level and alignment and as per technical specifications. The rate shall be inclusive of supply ection and dismantling of staging and scaffolding and other temporary arrangements required for the purpose assembly, erection and launching of girders. The rate shall also be inclusive of cold straightening of deformed bent girder parts before/after their assembly. Work has to be done as per drawings and specification. The e is including submission of launching scheme by contractor. The launching scheme should submit well in vance for approval of competent authority. Note:- For payment purpose, nominal sectional weight of the girder per drawing will only be considered. 55 420.00 MT 4363.37 1832615.40 AT Par 1832615.40 scription:- Extra over NS Item no.1 for supplying & fabrication of steel girder as per RDSO drawing for Roacer Bridge BOW string girder with contractor's own steel of E-350 Gr B0 in place of steel E250 Gr. B0. 66 3000.00 Kg 1110.14 3330420.00 AT Par 3330420.00 scription:- Extra for using Super shield E71-T8Electrode instead of regular flux core wire in all site welding in the cables lying under the alignment of pile groups of Pier/abutment by manual excavation of pile location in the proper shifting of cables away from alignment of pile groups. The rate includes refilling the me trench manually without any harm to the cables and keeping them in safety with contractor's all labour P, material, all lead & lift as directed by Engineer-in-Charge. 600.00 Kg 165.44 992640.00 AT Par 992640.00 scription:- Supplying, fabrication & fixing in position BRC protection screen with MS angle frame, expanded and continuous proved manufacturer as per drawing no. RDSO/ETI/C/ 0	37	Description:- per approved steel girder spacessary in perection and confidence of assembly, and bent girderate is including advance for a	Assembling drawings) pan to Railloroper level dismantling erection and er parts being submissipproval of decimal discounties.	g, Welding, with contra way's appro I and alignm of staging a d launching fore/after thision of laun	Erecting, Riveti ctor's rivet mate oved drawings vent and as per and scaffolding of girders. The leir assembly. Venting scheme leters with the control of th	ng, Launching, boerials, HSFG boltwith other ancillary technical specification and other tempor rate shall also be down has to be down.	olting by HSFG is services bolt of steel structurations. The rate ary arrangement inclusive of cone as per dra	is bolts wherever required (Ass., erection and launching res fixed to the girder where shall be inclusive of supports required for the purport straightening of deformations and specification. The
per ap steel g necess erection of asset and be rate is advance as per NS5 38 Descri Over B NS6 Descri of cab dia120 sizeupi the cal	r approved drawings) with contractor's rivet materials, HSFG bolts services bolts, erection and launching of the girder span to Railway's approved drawings with other ancillary steel structures fixed to the girder where cessary in proper level and alignment and as per technical specifications. The rate shall be inclusive of supply, action and dismantling of staging and scaffolding and other temporary arrangements required for the purpose assembly, erection and launching of girders. The rate shall also be inclusive of cold straightening of deformed d bent girder parts before/after their assembly. Work has to be done as per drawings and specification. The e is including submission of launching scheme by contractor. The launching scheme should submit well in vance for approval of competent authority. Note:- For payment purpose, nominal sectional weight of the girder per drawing will only be considered. 55	37	per approved steel girder sy necessary in perection and co of assembly, cand bent girderate is includi- advance for a	drawings) pan to Railloroper level dismantling erection and er parts be ing submiss pproval of o	with contra way's appro I and alignm of staging a d launching fore/after th sion of laun	ctor's rivet mate oved drawings valent and as per and scaffolding of girders. The eir assembly. Valenting scheme	erials, HSFG bolt with other ancillary technical specifica and other tempor rate shall also be Vork has to be do	s services bolt y steel structur ations. The rate ary arrangeme inclusive of co one as per dra	is, erection and launching res fixed to the girder whe e shall be inclusive of suppents required for the purpoold straightening of deformations and specification. The
NS5 Descri Over B NS6 Descri NS7 Descri of cab dia120 sizeupi the cal	scription:- Extra over NS Item no.1 for supplying & fabrication of steel girder as per RDSO drawing for Road er Bridge BOW string girder with contractor's own steel of E-350 Gr B0 in place of steel E250 Gr. B0. Scription:- Extra for using Super shield E71-T8Electrode instead of regular flux core wire in all site welding scription:- Extra for using Super shield E71-T8Electrode instead of regular flux core wire in all site welding 50 0.00 Metre 500.44 250220.00 AT Par 250220.00 scription:- Searching & shifting of underground signal /Telecom/OFC/Electric and other type of cables /bunch cables lying under the alignment of pile groups of Pier/abutment by manual excavation of pile location in 1200mm upto 2meter depth after locating the cable excavating the trenches manually having eupto800x1700mm deep on both sides of pile cap in 6meterlength(approx.6+7+6=19m in 1pile) for loosening a cables to ensure proper shifting of cables away from alignment of pile group. The rate includes refilling the me trench manually without any harm to the cables and keeping them in safety with contractor's all labour, P, material, all lead & lift as directed by Engineer-in-Charge. Scription:- Supplying, fabrication & fixing in position BRC protection screen with MS angle frame, expanded atal (XPM), GI Sheet of 16 gauge, J Bolts etc. of approved Railway design with two coats of aluminium paints of proved manufacturer as per drawing no. RDSO/ETI/C/ 0068 with all contractor's labour, tools & plants, material, etc. onsumables, machinery, loading, unloading, lead & lift complete in all respect as a complete job as per	38 I	ore per energy,						
Over B NS6 Descri NS7 Descri of cab dia120 sizeupi the cal	scription:- Extra over NS Item no.1 for supplying & fabrication of steel girder as per RDSO drawing for Road er Bridge BOW string girder with contractor's own steel of E-350 Gr B0 in place of steel E250 Gr. B0. 1110.14 3330420.00 AT Par 3330420.00		NS5				1832615.40	AT Par	1832615.40
NS6 Descri NS7 Descri of cab dia120 sizeupi the cal	scription:- Extra for using Super shield E71-T8Electrode instead of regular flux core wire in all site welding 500.00 Metre 500.44 250220.00 AT Par 250220.00 Scription:- Searching & shifting of underground signal /Telecom/OFC/Electric and other type of cables /bunch cables lying under the alignment of pile groups of Pier/abutment by manual excavation of pile location in 1200mm upto 2meter depth after locating the cable excavating the trenches manually having eupto800x1700mm deep on both sides of pile cap in 6meterlength(approx.6+7+6=19m in 1pile) for loosening e cables to ensure proper shifting of cables away from alignment of pile group. The rate includes refilling the me trench manually without any harm to the cables and keeping them in safety with contractor's all labour, P, material, all lead & lift as directed by Engineer-in-Charge. 8 6000.00 Kg 165.44 992640.00 AT Par 992640.00 Scription:- Supplying, fabrication & fixing in position BRC protection screen with MS angle frame, expanded stal (XPM), GI Sheet of 16 gauge, J Bolts etc. of approved Railway design with two coats of aluminium paints of proved manufacturer as per drawing no. RDSO/ETI/C/ 0068 with all contractor's labour, tools & plants, material, el, consumables, machinery, loading, unloading, lead & lift complete in all respect as a complete job as per		Description:-	Extra over	NS Item no	o.1 for supplying	& fabrication of	steel girder as	per RDSO drawing for Roa
NS7 Descri of cab dia120 sizeupi the cal	scription:- Extra for using Super shield E71-T8Electrode instead of regular flux core wire in all site welding 500.00 Metre 500.44 250220.00 AT Par 250220.00 scription:- Searching & shifting of underground signal /Telecom/OFC/Electric and other type of cables /bunch cables lying under the alignment of pile groups of Pier/abutment by manual excavation of pile location in 1200mm upto 2meter depth after locating the cable excavating the trenches manually having eupto800x1700mm deep on both sides of pile cap in 6meterlength(approx.6+7+6=19m in 1pile) for loosening a cables to ensure proper shifting of cables away from alignment of pile group. The rate includes refilling the me trench manually without any harm to the cables and keeping them in safety with contractor's all labour, P, material, all lead & lift as directed by Engineer-in-Charge. 68 6000.00 Kg 165.44 992640.00 AT Par 992640.00 scription:- Supplying, fabrication & fixing in position BRC protection screen with MS angle frame, expanded that (XPM), GI Sheet of 16 gauge, J Bolts etc. of approved Railway design with two coats of aluminium paints of proved manufacturer as per drawing no. RDSO/ETI/C/ 0068 with all contractor's labour, tools & plants, material, el, consumables, machinery, loading, unloading, lead & lift complete in all respect as a complete job as per		Ť						<u> </u>
NS7 Descri of cab dia120 sizeupi the cal	scription:- Searching & shifting of underground signal /Telecom/OFC/Electric and other type of cables /bunch cables lying under the alignment of pile groups of Pier/abutment by manual excavation of pile location in 1200mm upto 2meter depth after locating the cable excavating the trenches manually having eupto800x1700mm deep on both sides of pile cap in 6meterlength(approx.6+7+6=19m in 1pile) for loosening cables to ensure proper shifting of cables away from alignment of pile group. The rate includes refilling the me trench manually without any harm to the cables and keeping them in safety with contractor's all labour, P, material, all lead & lift as directed by Engineer-in-Charge. Scription:- Supplying, fabrication & fixing in position BRC protection screen with MS angle frame, expanded that (XPM), GI Sheet of 16 gauge, J Bolts etc. of approved Railway design with two coats of aluminium paints of proved manufacturer as per drawing no. RDSO/ETI/C/ 0068 with all contractor's labour, tools & plants, material, etc., consumables, machinery, loading, unloading, lead & lift complete in all respect as a complete job as per	39	l l					l.	
of cab dia120 sizeupi the cal	cables lying under the alignment of pile groups of Pier/abutment by manual excavation of pile location in 1200mm upto 2meter depth after locating the cable excavating the trenches manually having eupto800x1700mm deep on both sides of pile cap in 6meterlength(approx.6+7+6=19m in 1pile) for loosening e cables to ensure proper shifting of cables away from alignment of pile group. The rate includes refilling the me trench manually without any harm to the cables and keeping them in safety with contractor's all labour, P, material, all lead & lift as directed by Engineer-in-Charge. 88 6000.00 Kg 165.44 992640.00 AT Par 992640.00 scription:- Supplying, fabrication & fixing in position BRC protection screen with MS angle frame, expanded etal (XPM), GI Sheet of 16 gauge, J Bolts etc. of approved Railway design with two coats of aluminium paints of proved manufacturer as per drawing no. RDSO/ETI/C/ 0068 with all contractor's labour, tools & plants, material, el, consumables, machinery, loading, unloading, lead & lift complete in all respect as a complete job as per								
	68 6000.00 Kg 165.44 992640.00 AT Par 992640.00 Scription:- Supplying, fabrication & fixing in position BRC protection screen with MS angle frame, expanded stal (XPM), GI Sheet of 16 gauge, J Bolts etc. of approved Railway design with two coats of aluminium paints of proved manufacturer as per drawing no. RDSO/ETI/C/ 0068 with all contractor's labour, tools & plants, material, el, consumables, machinery, loading, unloading, lead & lift complete in all respect as a complete job as per	40	of cables lyindia1200mm sizeupto800x1 the cables to same trench	g under th upto 2me 1700mm de ensure pro manually w	e alignment ter depth eep on both per shifting rithout any h	t of pile groups after locating sides of pile ca of cables away narm to the cab	of Pier/abutmen the cable exc up in 6meterlength from alignment of bles and keeping	t by manual e cavating the (approx.6+7+6 of pile group. T	excavation of pile location trenches manually havii 6=19m in 1pile) for loosenii The rate includes refilling tl
NS8	scription:- Supplying, fabrication & fixing in position BRC protection screen with MS angle frame, expanded etal (XPM), GI Sheet of 16 gauge, J Bolts etc. of approved Railway design with two coats of aluminium paints of proved manufacturer as per drawing no. RDSO/ETI/C/ 0068 with all contractor's labour, tools & plants, material, el, consumables, machinery, loading, unloading, lead & lift complete in all respect as a complete job as per		1					ΔT Par	992640 00
Descri 41 metal (approv fuel, co	ecification & as directed by Engineer.	41 41	Description:- metal (XPM), approved mar fuel, consuma	Supplying, GI Sheet of nufacturer a ables, mach	fabrication 16 gauge, as per drawin ninery, loadi	& fixing in posi J Bolts etc. of a ng no. RDSO/E1 ng, unloading,	tion BRC protecti pproved Railway of II/C/ 0068 with all	on screen with design with two contractor's lal	n MS angle frame, expande o coats of aluminium paints bour, tools & plants, materia
			specification 8			608.57	486856.00	AT Par	486856.00

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Tender No: EDFC_CGM_TDL_ROB_5C Closing Date/Time: 19/03/2024 15:00

42	concrete N pumping o approved i	140 using 20 n f concrete to sit n mix design to	nm graded te of laying, accelerate	crushed stone a finishing, using or retard settin	aggregate and co admixtures in rec g of concrete, im	oarse sand of a commended pro prove workabili	tering purpose wi approved quality oportions (as per l ty without impairi	in including IS: 9103), if ng strength
	unloading, NOTES - (cement co on already includes fo The contra over the tr provision co	lead and lift co (i) Payment for ncrete panels a r launched ma r working unde actor shall mak rack during fixi	omplete in a cement, reare to be fixing steel gird running trace adequate agrangeme	Ill respect as a confinencement and ed at the approper of the condition, a arrangement bust reinforced cont and submiss	complete job as and shuttering shat wed safe height at from ground will leads, lifts, asceptlow the girders between the concrete at the strength of the streng	per specification Il be paid extra and carrying 25I ill be allowed ents, descents, to avoid falling panels. The rai	nables, machiner as a sirected by a sirected by a (ii) The precast KV AC traction (or for this purpose. all other obstruction of anything/precise also includes a sing for temporary	y Engineer. reinforced n IR Track) The rates ons etc. (iii) cast panels design and
	NS10	120.00	Metre	1825.11	219013.20	AT Par	219013.20	
43	with suppo welded to 120 x 16 r 48mm long sysnthetic labour, too	orts of 12 mm to vertical includin mm, 4 nos 10 of g welded to m enamel paint of	hick m s plang 25 mm wildia galvanizes holding do frequired solding, unlike	ate cut to shape ide and 3 mm thed m s holding own bolts, vertic shade over one	e as vertical along nick collar plate, with down bolts with als shall be @ 1 coat of zinc chro	g with 50 x 10n verticals welded nuts and wash .50 m C / C incomate primer w	CC crash barrier nm thick m s plat on base plate of ers, 4 nos 10 dia cluding two or mo ith all contractor's /drawing and as	te all round f size 120 x MS rod of ore coats of s materials,
	NS11	120.00	Metre	3475.13	417015.60	AT Par	417015.60	
44	through ste wire fabric welding of in required zinc chrom	eel ISMC 100 (75 x 25 mm m ISMC 100 to so I place including nate primer with	① 1.5m c/c nesh of weig teel base plant g two or modern all contract	as vertical supports that as and providir coats of syntetrics materials,	port including pro n 7.75 kg per sq ng and fixing m s thetic enamel pai	oviding, fixing and m to ms flat we holding down but of required so plants, maching with the sound of the sou	s pipe (1mm thice and welding hard continued to ISMC 10 polts for fixing the shade over a primery, loading, unless complete job.	drawn steel 0 including base plate ning coat of

3. ITEM BREAKUP

Scheaule	Schedu	lle A1-USSOR-2019				
Item- 1	work is 50x50x placed posts ir	Providing and removing barricading with the help of portab to be done in close vicinity of the track. Fencing shall cons 6mm,1.5m long provided with hooks etc.and embedded in at c/c distance of 2m along the track.12mm dia rods in threacluding providing retro-reflective tapes in Horizontal & verperty of the contractor after the completion of work. Cost o	ist of self-s CC 1:2:4 ee horizon tical direct	supporting s block of siz tal layers tad ion. Note : I	steel angles e 0.23x0.23 ck welded w Released ma	of size x0.23m ith the angle
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	13101-With provision of one 50mm wide retro-reflective tape in horizontal direction, duly secured/tight with vertical posts	_	70.00	238.17	16671.90
	22010-	Earthwork in excavation for foundations and floors of the b	ridaes. ret	aining walls	Total etc. includin	16671.90
Item- 2	out, dre materia to a lea	Earthwork in excavation for foundations and floors of the bessing of sides, ramming of bottom, getting out the excavatal and consolidation of the layers by ramming and watering d of 300m, all types of shoring and strutting with all labour al specifications as directed by Engineer	ed materia etc. includ	al, back fillin ling all lift, d	etc. including in layers wisposal of su	ng setting vith approved urplus soil up
Item- 2 S No.	out, dre materia to a lea	essing of sides, ramming of bottom, getting out the excavat Il and consolidation of the layers by ramming and watering d of 300m, all types of shoring and strutting with all labour	ed materia etc. includ	al, back fillin ling all lift, d	etc. including in layers wisposal of su	ng setting vith approved urplus soil up
	out, dre materia to a lea technic	essing of sides, ramming of bottom, getting out the excavat il and consolidation of the layers by ramming and watering d of 300m, all types of shoring and strutting with all labour al specifications as directed by Engineer	ed materia etc. includand mater	al, back fillin ling all lift, d rial complete	etc. includir g in layers w isposal of su e as per dra	ng setting vith approved urplus soil up wing and
	out, dre materia to a lea technic Item No	essing of sides, ramming of bottom, getting out the excavate all and consolidation of the layers by ramming and watering d of 300m, all types of shoring and strutting with all labour all specifications as directed by Engineer Description of Item	ed materia etc. include and materia	al, back fillin ling all lift, d rial complete Qty	etc. includir g in layers w isposal of su e as per dra	ng setting vith approved urplus soil up wing and Amount
	out, dre materia to a lea technic: Item No (a) 20230-like side	essing of sides, ramming of bottom, getting out the excavate all and consolidation of the layers by ramming and watering d of 300m, all types of shoring and strutting with all labour all specifications as directed by Engineer Description of Item	ed materia etc. includ and materia Unit cum	al, back fillin ding all lift, drial complete Qty 571.32 ominal Mix f	etc. including in layers wisposal of sue as per draw Rate 202.52 Total or miscellan	ag setting vith approved urplus soil up wing and Amount 115703.73 115703.73 eous works

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1		·				
1	(a)	22034-1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size)	cum	32.67		95018.08
	Т				Total	95018.08
Item- 5	Cement sand of from for modify	Providing and laying in position machine batched, machine to Concrete of specified grade (Cast in Situ) using 20mm grapproved quality for the following Reinforced cement concurred to level, including finishing, using Admixtures in a workability & other properties without impairing strength and of the Engineer in charge. Payment for cement, reinforce	aded crus crete struc approved id durabilit	hed stone a tural eleme proportions ty complete	iggregate ar nts up to hei (as per IS:9 as per spec	nd coarse ight of 10 m 103), to ifications and
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	22051-Abutment & Pier	cum	207.99	3154.81	656168.93
2	(b)	22053- Abutment cap, Pier Cap, Inspection Platform & Pedestal over Pier cap, Fender wall, Diaphragm wall etc.	cum	253.00	3298.21	834447.13
	ı				Total	1490616.06
Item- 6	less that etc. con proporti cut off le required paymer	graded crushed stone aggregate and coarse sand of appron specified, excluding the cost of permanent casing pipe a applete, concreting by machine batching, machine mixing, son (as per IS:9103), placing with tremie pipe, chipping off evel etc., pumping and bailing out water with all labour mated, as per approved drawing, specification and direction of the shall be measured up to the bottom of pile cap excluding ent casing pipe (if any) & reinforcement shall be paid extra	nd length caffolding of pile top terial comple he Engine the mud	of pile to be, using Adm to remove blete includier in charge	e embedded lixture in applaitance cond ng crossing e. Length of	in pile cap proved crete above of tracks if the pile for
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	22093-1000mm diameter	Metre	870.00	8566.80	7453116.00
	1		I.		Total	7453116.00
Item- 7	25030-0	Centring and shuttering including strutting, propping etc. ar	nd remova	l of form fo	r :	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
		25031- abutment, wing wall, retaining wall, RCC box type	Sqm	812.07	699.25	F07000 0F
1	(a)	foundations, Abutment cap, Pier Cap, Inspection Platform & Pedestal over Pier cap, Fender wall, Diaphragm wall etc. up to 5mabove ground level			033.23	567839.95
	(a) (b)	foundations, Abutment cap, Pier Cap, Inspection Platform & Pedestal over Pier cap, Fender wall,	metre	1896.30		
2	,	foundations, Abutment cap, Pier Cap, Inspection Platform & Pedestal over Pier cap, Fender wall, Diaphragm wall etc. up to 5mabove ground level 25033-Extra for additional height over item no. 025031 & 025032 wherever required with adequate bracing, propping etc. over initial height of 5 metres for every	metre	1896.30		213959.53
	(b) 22120-0 includin of test of	foundations, Abutment cap, Pier Cap, Inspection Platform & Pedestal over Pier cap, Fender wall, Diaphragm wall etc. up to 5mabove ground level 25033-Extra for additional height over item no. 025031 & 025032 wherever required with adequate bracing, propping etc. over initial height of 5 metres for every	metre height city in acc ad or con	ordance wit	112.83 Total h IS:2911 (Fitest cap and	213959.53 781799.48 Part-IV) I dismantling
2	(b) 22120-0 includin of test of	foundations, Abutment cap, Pier Cap, Inspection Platform & Pedestal over Pier cap, Fender wall, Diaphragm wall etc. up to 5mabove ground level 25033-Extra for additional height over item no. 025031 & 025032 wherever required with adequate bracing, propping etc. over initial height of 5 metres for every additional height of 1 metre or part thereof Conducting load testing of a single pile upto following capage installation of loading platform and preparation of pile he cap after test etc. with all labour, material, tool & plants, equ	metre height city in acc ad or con	ordance wit	112.83 Total h IS:2911 (Fitest cap and	213959.53 781799.48 Part-IV) I dismantling
2 Item- 8	(b) 22120-includin of test of drawing Item	foundations, Abutment cap, Pier Cap, Inspection Platform & Pedestal over Pier cap, Fender wall, Diaphragm wall etc. up to 5mabove ground level 25033-Extra for additional height over item no. 025031 & 025032 wherever required with adequate bracing, propping etc. over initial height of 5 metres for every additional height of 1 metre or part thereof Conducting load testing of a single pile upto following capacing installation of loading platform and preparation of pile he cap after test etc. with all labour, material, tool & plants, equand specification, as directed by the Engineer	metre height city in acc ad or con- uipment, r	ordance wit struction of nachinery, e	Total h IS:2911 (Fitest cap and etc. complete	213959.53 781799.48 Part-IV) I dismantling e as per
2 Item- 8	(b) 22120-0 includin of test of drawing Item No	foundations, Abutment cap, Pier Cap, Inspection Platform & Pedestal over Pier cap, Fender wall, Diaphragm wall etc. up to 5mabove ground level 25033-Extra for additional height over item no. 025031 & 025032 wherever required with adequate bracing, propping etc. over initial height of 5 metres for every additional height of 1 metre or part thereof Conducting load testing of a single pile upto following capar g installation of loading platform and preparation of pile he ap after test etc. with all labour, material, tool & plants, equand specification, as directed by the Engineer Description of Item	metre height city in acc ad or con- uipment, r	ordance wit struction of nachinery, e	Total h IS:2911 (Fitest cap and etc. complete	213959.53 781799.48 Part-IV) I dismantling as per Amount
2 Item- 8	(b) 22120-dincludin of test of drawing ltem No (a) 22130-l determine No (a)	foundations, Abutment cap, Pier Cap, Inspection Platform & Pedestal over Pier cap, Fender wall, Diaphragm wall etc. up to 5mabove ground level 25033-Extra for additional height over item no. 025031 & 025032 wherever required with adequate bracing, propping etc. over initial height of 5 metres for every additional height of 1 metre or part thereof Conducting load testing of a single pile upto following capar g installation of loading platform and preparation of pile he ap after test etc. with all labour, material, tool & plants, equand specification, as directed by the Engineer Description of Item	metre height city in acc ad or consuipment, r Unit Each	ordance with struction of nachinery, and the order of the	Total h IS:2911 (Ftest cap and etc. complete Rate 63681.51 Total	213959.53 781799.48 Part-IV) I dismantling e as per Amount 63681.51
2 Item- 8 S No.	(b) 22120-dincludin of test of drawing ltem No (a) 22130-l determine No (a)	foundations, Abutment cap, Pier Cap, Inspection Platform & Pedestal over Pier cap, Fender wall, Diaphragm wall etc. up to 5mabove ground level 25033-Extra for additional height over item no. 025031 & 025032 wherever required with adequate bracing, propping etc. over initial height of 5 metres for every additional height of 1 metre or part thereof Conducting load testing of a single pile upto following capage installation of loading platform and preparation of pile he cap after test etc. with all labour, material, tool & plants, equand specification, as directed by the Engineer Description of Item 22127- Routine Load Test above 100 ton capacity upto 250 ton capacity pile Lateral load testing of single pile in accordance with "IS Conning safe allowable lateral load of pile" with all labour, material load of pile" with all labour, material load of pile" with all labour, material load of pile with all labour, material labour,	metre height city in acc ad or consuipment, r Unit Each	ordance with struction of nachinery, and the order of the	Total h IS:2911 (Ftest cap and etc. complete Rate 63681.51 Total	Amount 63681.51 63681.51
2 Item- 8 S No. 1 Item- 9	(b) 22120-0 includin of test of drawing Item No (a) 22130-1 determic complet Item	foundations, Abutment cap, Pier Cap, Inspection Platform & Pedestal over Pier cap, Fender wall, Diaphragm wall etc. up to 5mabove ground level 25033-Extra for additional height over item no. 025031 & 025032 wherever required with adequate bracing, propping etc. over initial height of 5 metres for every additional height of 1 metre or part thereof Conducting load testing of a single pile upto following capar g installation of loading platform and preparation of pile he ap after test etc. with all labour, material, tool & plants, equand specification, as directed by the Engineer Description of Item 22127- Routine Load Test above 100 ton capacity upto 250 ton capacity pile Lateral load testing of single pile in accordance with "IS Coning safe allowable lateral load of pile" with all labour, material eas per drawing and specification as directed by the Engi	metre height city in acc ad or con- uipment, r Unit Each de of prace erial, tool of neer Unit	Ordance witstruction of nachinery, e	Total h IS:2911 (Fitest cap and etc. complete Rate 63681.51 Total I (Part-IV) fouipment, ma	213959.53 781799.48 Part-IV) I dismantling as per Amount 63681.51 63681.51 or achinery, etc

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Item- 11	expansi specifica socket t	Providing and fixing in position of standard preformed sealed on joints for Railway bridge or Road Over Bridges as per a ations. The rates are inclusive of supplying, fixing with consubes, Neoprene sheet/cap etc., equipment's, machineries	approved o tractor's o	drawings an wn material	d latest MOS s, e.g. insert	ST/IRC s, bolts,
S No.	Item No	rt, testing, surface preparations, complete Description of Item	Unit	Qty	Rate	Amount
1	(a)	31102-For 80mm expansion	Metre	48.00	9796.77	470244.96
				•	Total	470244.96
Item- 12	procedu loading required	Load testing of one or more spans of bridge as selected by ure following relevant IS/IRC/Railway codes with contractor materials, recoding and analyzing the load testing results id. The rates are all inclusive and will be paid after load test ges/loading material etc. The load shall be 1.25 times the s	's labour, including a t is finished	deflection n all lead & lift d and girder	neasuring ins , etc. comple r is cleared o	struments, ete as
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	31111-For Span design load upto 100 MT	Each	1.00	88333.85	88333.85
2	(b)	31062-Extra for every increase of 1 MT or part thereof in the span load capacity upto 800 MT	MT	100.00	871.12	87112.00
			•	•	Total	175445.85
Item- 15	sealing of cast s AISI:304 Technic got app	ng of a metal piston supported by a disc or un reinforced erings, dust seals, PTFE surface sliding against stainless stateel / fabricated structural steel, metal and elastomer elend, AISI:316, IS:6911, BS:3784, IS:3400, IS:226, BS-5400, Eal Specifications. The design of the bearings shall be subtracted from Railway before fixing. Test report after inspectived before the materials are lifted from the manufacturer process.	eel mating nents com Bridge Coo nitted by th on of the b	g surface, co plete as pe de and as p he manufac	omplete asse r IS:2062, IS er approved turers / cont	embly to be :1030, drawing and ractor and
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	041131-POT-cum -PTFE Bearing (Free end)	Each	1 00	107581.24	107581.24
2	(b)	041132-POT Bearing-Fixed Type	Each		151143.17	151143.17
3	(d)	041134-POT-cum -PTFE Guided (T)Bearing	Each	1.00	174936.48	174936.48
4	(c)	041133-POT-cum -PTFE Guided (L)Bearing	Each	1.00	182544.45	182544.45
	•				Total	616205.34
Schedule	Schedu	le A2-USSOR-19				
Item- 1	floors of the exca and wat with all I charge.	-Earthwork in excavation by mechanical means (Hydraulic f the bridges, retaining walls etc. including setting out, dres avated material, back filling in layers with approved material ering etc. including all lift, disposal of surplus soil upto a le abour and material complete as per drawing and technica	ssing of sic al and con ad of 300i I specifica	des, rammin solidation o m, all types tion as direc	g of bottom, f the layers b of shoring a cted by Engir	getting out by ramming nd strutting neer in
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	022011-All kinds of Soil	cum	3250.00	217.13	705672.50
	1				Total	705672.50
Item- 5	per Tec	-Grouting of masonry/concrete by injection process duly S hnical Specification and procedure given in IRBM Para No aid extra)	_			•
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	052073-Epoxy Grout	Kg	500.00	1477.43	738715.00
					Total	738715.00
Item- 6	025030	-Centering and shuttering including strutting, propping etc.	and remo	val of form	for :	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount

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1	(a)	025031-All types of bridge sub-structures, e.g. pier, abutment, wing wall, retaining wall, RCC box type foundations, Abutment cap, Pier Cap, Inspection Platform & Pedestal over Pier cap, Fender wall, Diaphragm wall etc. upto 5m above ground level.	Sqm	2800.00		2099104.00
					Total	2099104.00
Item- 9	to be do 6mm, 1 placed a angle p	-Providing and removing barricading with the help of porta one in close vicinity of track. Fencing shall consist of self-su .5m long provided with hooks etc. and embedded in CC 1: at c/c distance of 2m along track. 12mm dia rods in three hosts. {Note: Released material will be property of the contaid separately}	upporting 2:4 block norizontal	steel angles of size 0.23 layers shall	of size 50m m x 0.23m x be tack weld	m x 50mm x 0.23m ded with
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	013101-With provision of one 50mm wide retro-reflective tape in horizontal direction, duly secured/tight with vertical posts	Metre	60.00	255.34	15320.40
	1				Total	15320.40
		-Supply and using Cement at Worksite:	I -	ı		
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	025061-Ordinary Portland Cement 43 grade	MT	380.00		3290986.20
	1				Total	3290986.20
Item- 11		-Steel reinforcement for R.C.C. work including straightenin all complete	g, cutting	, bending, pl	lacing in pos	ition and
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	025072-Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	100000.00	92.18	9218000.00
					Total	9218000.00
Item- 15		-Painting of Bridge Reference / Boards, Structures etc. alo erent colours & letters, as directed by Engineer in-charge	ng track v	with enamel	paint of app	roved make
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	131585	Miscellaneous General Boards, Jurisdiction Boards, Structures etc.	Sqm	4000.00	276.77	1107080.00
	1				Total	1107080.00
Schedule	Schedu	le B1-USSOR-2019				
Item- 17	25060-5	Supply and using Cement at Worksite	1	1		
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	25061-Ordinary Portland Cement 43 grade	MT	1160.00		8702981.20
	1 _				Total	8702981.20
Schedule		le B2-DSR-21				
Item- 18	cutting,	steel work in built up tubular (round, square or rectangular hoisting, fixing in position and applying a priming coat of a vith special shaped washers etc. complete.				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	10.16.1-Hot finished welded type tubes	Kg	3500.00	174.53	610855.00
					Total	610855.00
		le C1-USSOR-2019 Steel reinforcement for R.C.C. work including straightening	, cuttina	bendina. pla	cing in posit	ion and
Item- 18	binding	all complete	.,	T	g poon	
	14	Description of Item	Unit	Qty	Rate	Amount
S No.	Item No	Description of item	Oiiit			

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					Total	28690477.20
Schedule		le D1-DSR-21				
Item- 19		viding and laying in position cement concrete of specified on a subject of specified of specified of a subject of specified of specifie	grade excl	uding the co	ost of center	ring and
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	4.1.2-1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size)	cum	38.40	8065.52	309715.97
					Total	309715.97
Item- 20	pilasters bed blo	viding and laying cement concrete in retaining walls, return s, columns, piers, abutments, pillars, posts, struts, buttress cks, anchor blocks, plain window sills, fillets, sunken floor e ig, shuttering and finishing:	es, string	or lacing co	urses, para	pets, coping,
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	4.2.2-1:1½:3 (1 cement : $1\frac{1}{2}$ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	cum	110.61	10040.81	1110613.99
					Total	1110613.99
Item- 21		viding and laying cement concrete in kerbs, steps and the tring, shuttering and finishing.	like at or r	near ground	level exclu	ding the cost
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	4.4.1-1:1½:3 (1 Cement: $1½$ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size)	cum	16.57	8065.52	133645.67
					Total	133645.67
Item- 22	5.9-Cen	stering and shuttering including strutting, propping etc. and	removal	of form worl	k for :	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	5.9.1-Foundations, footings, bases for columns	Sqm	38.40	318.63	12235.39
2	(b)	5.9.3-Suspended floors, roofs, landings, balconies and access platform	Sqm	114.64	775.23	88872.37
3	(c)	5.9.5-Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	195.79	617.50	120900.32
4	(d)	5.9.6-Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	375.46	820.70	308140.02
5	(e)	5.9.7-Stairs, (excluding landings) except spiral-staircases	Sqm	50.17	696.14	34925.34
					Total	565073.44
		k work with non-modular (FPS) bricks of class designation		1	1	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	6.1.2-Cement mortar 1:6 (1 cement : 6 coarse sand) - wall	cum	15.05		
					Total	103657.63
Item- 24		steel work welded in built up sections/ framed work, including a priming coat of approved steel primer using structural s	-	as required.	king in positi	on and
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	10.25.2-In gratings, frames, guard bar, ladders, railings, brackets, gates and similar works	Kg	1000.00	146.53	146530.00
					Total	146530.00
Item- 25		roviding and fixing hand rail of approved size by welding e e railing and similar works, including applying priming coat				railing,
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	10.26.3-G.I. pipes	Kg	1190.00	176.74	210320.60

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					Total	210320.60
Item- 26	neat ce	Chequered terrazo tiles 22 mm thick with graded marble ment slurry mixed with pigment to match the shade of them thick bed of cement mortar 1:4 (1 cement :4 coarses	e tiles, includ		-	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	11.19.3-Dark shade pigment using ordinary cement	Sqm	39.06	1307.72	51079.54
					Total	51079.54
Item- 27	13.1-12	mm cement plaster of mix -				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	13.1.2-1:6 (1cement: 6coarse sand)	Sqm	39.00	284.39	11091.21
					Total	11091.21
Item- 28	13.61-F	ainting with synthetic enamel paint of approved brand a	nd manufact	ure to give	an even sha	de :
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	13.61.1-Two or more coats on new work	Sqm	54.18	135.96	7366.31
					Total	7366.31
Item- 29	13.98-V	Vall painting with plastic emulsion paint of approved brar	nd and manu	facture to g	ive an even	shade:
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
		Description of Item 13.98.1-One or more coats on old work	Unit Sqm	Qty 160.68	Rate 94.69	
S No.	No	·				15214.79
	No (a) 16.48-P marking	·	Sqm s to give unif	160.68 orm finish w	94.69 Total vith ready m	15214.79 15214.79 ixed road
1	No (a) 16.48-P	13.98.1-One or more coats on old work Painting road surface marking with adequate nos of coats paint conforming to IS: 164, on bituminous surface in v	Sqm s to give unif	160.68 orm finish w	94.69 Total vith ready m	15214.79 15214.79 ixed road
1 Item- 32 S No.	No (a) 16.48-F marking surface Item	Painting road surface marking with adequate nos of coats paint conforming to IS: 164, on bituminous surface in vof all dirt, scales, oil, grease and foreign material etc. co	Sqm s to give unif	160.68 orm finish w shade, inclu	94.69 Total vith ready miding cleanin	15214.79 15214.79 ixed road ig the Amount
1 Item- 32 S No.	No (a) 16.48-F marking surface Item No	Painting road surface marking with adequate nos of coats paint conforming to IS: 164, on bituminous surface in vof all dirt, scales, oil, grease and foreign material etc. co	Sqm s to give unifivhite/yellow somplete. Unit	160.68 orm finish w shade, inclu	94.69 Total with ready miding cleaning	15214.79 15214.79 ixed road ig the Amount 24156.00
1 Item- 32 S No.	No (a) 16.48-F marking surface Item No (a)	Painting road surface marking with adequate nos of coats paint conforming to IS: 164, on bituminous surface in vof all dirt, scales, oil, grease and foreign material etc. co	Sqm s to give unifivhite/yellow somplete. Unit	160.68 orm finish w shade, inclu	94.69 Total vith ready miding cleanin Rate 241.56	15214.79 15214.79 ixed road ig the Amount 24156.00
1 Item- 32 S No.	No (a) 16.48-F marking surface Item No (a) Schedu NS-5-Pi jointed	Painting road surface marking with adequate nos of coats of paint conforming to IS: 164, on bituminous surface in vof all dirt, scales, oil, grease and foreign material etc. co Description of Item 16.48.1-New work (Two or more coats)	Sqm s to give uniffwhite/yellow somplete. Unit Sqm	160.68 orm finish wshade, inclu Qty 100.00 ipes includii	94.69 Total with ready miding cleaning Rate 241.56 Total	15214.79 15214.79 ixed road ing the Amount 24156.00 24156.00
1 Item- 32 S No.	No (a) 16.48-F marking surface Item No (a) Schedu NS-5-Pi jointed	Painting road surface marking with adequate nos of coats of paint conforming to IS: 164, on bituminous surface in vof all dirt, scales, oil, grease and foreign material etc. conception of Item 16.48.1-New work (Two or more coats) ILE D2-DSR/NON SCHEDULE Toviding and laying non- pressure NP3 class (medium direction) with stiff mixture of cement mortar in the proportion of 1:	Sqm s to give uniffwhite/yellow somplete. Unit Sqm	160.68 orm finish wshade, inclu Qty 100.00 ipes includii	94.69 Total with ready miding cleaning Rate 241.56 Total	15214.79 15214.79 ixed road ing the Amount 24156.00 24156.00
1 Item- 32 S No. 1 Schedule	No (a) 16.48-F marking surface Item No (a) Schedu NS-5-Pi jointed v joints et Item	Painting road surface marking with adequate nos of coats of paint conforming to IS: 164, on bituminous surface in vortical dirt, scales, oil, grease and foreign material etc. concepts of all dirt, scales, oil, grease and foreign material etc. concepts of the material etc. Con	s to give uniff white/yellow somplete. Unit Sqm uty) R.C.C. p 2 (1 cement	orm finish wshade, inclu Qty 100.00 ipes includii: 2fine sand	94.69 Total with ready miding cleaning Rate 241.56 Total ng bends etch including the second control of the	15214.79 15214.79 ixed road ing the Amount 24156.00 24156.00 c with collars asting of

4. ELIGIBILITY CONDITIONS

Important: All documents uploaded and remarks / confirmation entered by the bidders against any eligibility condition shall be opened as part of technical bid only

Special Financial Criteria

S.No.	Description	Confirmation Required		Documents Uploading
1	AS PER TENDER DOCUMENT	No	INο	Allowed (Mandatory)

Special Technical Criteria

S.No.	F	Confirmation Required		Documents Uploading
1	AS PER TENDER DOCUMENT	No	INO	Allowed (Mandatory)

5. COMPLIANCE

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Tender No: EDFC_CGM_TDL_ROB_5C Closing Date/Time: 19/03/2024 15:00

Important: All documents uploaded and remarks / confirmation entered by the bidders against any compliance condition shall be opened as part of technical bid only.

Check Lst

	S.No.		Confirmation Required		Documents Uploading
Ī	1	AS PER TENDER DOCUMENT	No	No	Not Allowed

Commercial-Compliance

S.No.	•	Confirmation Required		Documents Uploading
1	AS PER TENDER DOCUMENT	Yes	Vac	Allowed (Mandatory)
	Please enter the percentage of local content in the material being offered. Please enter 0 for fully imported items, and 100 for fully indigenous items. The definition and calculation of local content shall be in accordance with the Make in India policy as incorporated in the tender conditions.	No	Yes	Allowed (Optional)

General Instructions

S.No.	Description	Confirmation	Remarks	Documents
		Required	Allowed	Uploading
1	AS PER TENDER DOCUMENT	No	No	Not Allowed

Special Conditions

S.No		Confirmation Required		Documents Uploading
1	AS PER TENDER DOCUMENT	No	No	Not Allowed

Technical-Compliances

S.No		Confirmation Required		Documents Uploading
1	AS PER TENDER DOCUMENT	Yes	Yes	Allowed (Mandatory)

Undertakings

S.No.	•	Confirmation Required		Documents Uploading
1	AS PER TENDER DOCUMENT	No	No	Not Allowed

6. Documents attached with tender

S.No.	Document Name	Document Description
1	TECHNICALBIDROB5.pdf	TECHNICAL BID
2	FinancialBidROB5.pdf	FINANCIAL BID
3	DRAWING.pdf	DRAWING

This tender complies with Public Procurement Policy (Make in India) Order 2017, dated 15/06/2017, issued by Department of Induswww Promotion and Policy, Ministry of Commerce, circulated vide Railway Board letter no. 2015/RS(G)/779/5 dated 03/08/2017 and 27/12/2017 and amendments/ revisions thereof.

As a Tender Inviting Authority, the undersigned has ensured that the issue of this tender does not violate provisions of GFR regarding procurement through GeM.

Signed By: SUSANTA KUMAR MOHANTY

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Tender No: EDFC_CGM_TDL_ROB_5C Closing Date/Time: 19/03/2024 15:00

 $\textbf{Designation}: {\sf DYPM/Engg/TDL}$

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