



Tender No. TDL/EN/ BHU-KRJ/ROAD/LOT-101-102-103

For

Construction of bituminous and cement concrete roads at different locations in DFCCIL/EDFC-1 i.e. in between DFC chainage 514.630 to 851.39 between New Bhaupur & New Khurja stations of EDFC-1 section of Eastern Dedicated Freight Corridor Corporation of India Limited.

**E-TENDER DOCUMENT
FINANCIAL BID
(PACKET-B)
DECEMBER-2018**

**Employer:
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)
Under
MINISTRY OF RAILWAYS**

AGRA OFFICE:-

Chief General Manager/Tundla/DFCCIL
3/20, 3rd Floor, KPS Tower, Mayur Complex, Nagla Padi Near Tulsi
Cinema, NH-02, Agra -282002

CORPORATE OFFICE:-

DFCCIL, 5TH Floor, Pragati Maidan, Metro Station Building Complex,
New Delhi-110001.

GENERAL INFORMATION / DATA SHEET

TENDER NOTICE NO	TDL/EN/ BHU-KRJ/ROAD/LOT-101-102-103
Name of the work	Construction of bituminous and cement concrete roads at different locations in DFCCIL/EDFC-1 i.e. in between DFC chainage 514.630 to 851.39 between New Bhaupur & New Khurja stations of EDFC-1 section of Eastern Dedicated Freight Corridor Corporation of India Limited.
(a) Tender Value	Rs. 18,82,98,040.30
(b) Completion Period	06 months
(c) Earnest Money	Rs 30,00,000.0/-
(d) Date of Issue of Tender	From 25.12.2018 on E-Tendering website(www.tenderwizard.com/DFCCIL)
(e) Last date and Time of submission of Tender	15.01.2019 upto 15:00 hrs
(f) Date and Time of Opening of Tender (Technical bids -Packet A)	On 15.01.2019 at 15:30 hrs
(g) Validity of offer	120 days
(h) Retention Money / Security Deposit	5 % of Contract Value
(i) Performance Bank Guarantee	Performance Guarantee (PG) have to submit within 30 (thirty) days from the date of issue of Letter Of Acceptance (LOA), amounting to 5% of the contract value in the form as give in clause 16.4 of GCC

SUMMARY OF PRICES

Name of work:- Construction of bituminous and cement concrete roads at different locations in DFCCIL/EDFC-1 i.e. in between DFC chainage 514.630 to 851.39 between New Bhaupur & New Khurja stations of EDFC-1 section of Eastern Dedicated Freight Corridor Corporation of India Limited.

Sl. No.	Description of works	DFCCIL updated cost in Rs (including GST)	Rates to be quoted in figures & words (Clearly mention above / below / at par on updated DFCCIL Rate / cost given in column 3)
1	2	3	4
1.	Execution of all works as per Schedule "A" (Bituminous Road Work)	13,36,61,971.21 % age (in figures) (In words)
2.	Execution of all works as per Schedule "B" (Concrete Road Work)	3,60,70,508.12 % age (in figures) (In words)
3.	Execution of all works as per Schedule "C" (NS Items)	1,85,65,561.00 % age (in figures) (In words)
	Grand Total	18,82,98,040.33	

Notes:

- 1) The above prices are inclusive of GST as prevailing.
- 2) The tenderer should quote single percentage above / par / below for each schedule.
- 3) If the uniform percentage quoted by the Tenderer does not clearly indicate whether the rates are above/at par/below the estimated rates then through sign convention it will be considered to be on plus side and evaluated accordingly.
- 4) If the contractor quotes different percentage (%) above /below against each items of any schedule (i.e. A,B,C), then his offer will be summarily rejected.

SCHEDULE -1
SCHEDULE OF PRICES & TOTAL PRICES

Sl. No.	Item no. of NCR USSO R - 2010	Description of items	Unit	DFCCIL's Rate (Rs)	Qty.	Amount (Rs)
SCHEDULE 'A' – (Bituminous Work)						
1	231010	Preparation of sub grade by excavating earth upto 22.5cm depth, dressing to camber and consolidating with power road roller of 8 to 12 tonne capacity including making good the undulations etc. and disposal of surplus earth with lead upto 50 metres	sqm	47.38	2,03,150.00	96,25,879.42
2	13120	Earthwork in filling in embankment, guide bunds, around buried type abutments, bridge gaps, trolley refuges, rain bunds if provided, platforms etc. with earth excavated from outside railway boundary entirely arranged by the contractor at his own cost as per RDSO's latest guidelines and specifications and special condition of contract including all leads, royalty, lifts, ascents, descents, crossing of nallahs or any other obstructions. The rates shall include all dressing of bank to final profile, demarcation and setting out of profile, site clearance, removing of shrubs, roots of vegetations growth, heavy grass, benching of	cum	259.09	1,04,110.00	269,73,992.83

Sl. No.	Item no. of NCR USSO R - 2010	Description of items	Unit	DFCCIL's Rate (Rs)	Qty.	Amount (Rs)
		existing slope of old bank, all handling/re-handling. Taxes, octroi and royalty etc. as a complete job. Cut trees shall be property of railways and to be deposited in the railway godown unless specified otherwise in the Special conditions of contract				
3	13130	Extra for mechanical compaction of earth/blanketing material filled in embankment with contractor's rollers of suitable capacity, type and size to achieve specified density as per specification, testing as per IS codes incl. const of water, T&P consumable material and all labour as a complete job. The work is to be executed as per Latest edition of "Guidelines for Earthwork in Railway Projects" issued by RDSO, Lucknow	cum	17.67	1,04,110.00	18,39,623.70
4	231040	Providing and laying water bound macadam with specified stone aggregate, stone screening and binding material including screening, sorting, spreading to template and consolidation with power road roller of 8 to 10 tonne capacity etc. complete.		-		
5	231041	Sub-base with stone aggregate 90mm to 45mm including stone screening 13.2mm size	cum	1,222.00	12,682.00	154,97,399.53

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Sl. No.	Item no. of NCR USSO R - 2010	Description of items	Unit	DFCCIL's Rate (Rs)	Qty.	Amount (Rs)
6	231042	Base course with 63mm to 45mm size including stone screening 13.2mm size	cum	2,049.49	12,682.00	259,91,667.36
7	233010	Providing and applying tack coat using bitumen emulsion (Rapid setting) complying with IS: 8887-1995, spraying the bitumen emulsion with mechanically operated spray unit, cleaning and preparing the existing road surface as per specification		-		
8	233011	On W.B.M. @ 0.4kg/ sqm	sqm	24.34	76,375.00	18,59,201.14
9	238010	Providing and laying Dense Bituminous macadam on prepared surface with specified graded crushed stone aggregate for profile corrective base / binding course, mixing of stone aggregate, filler and bitumen in hot mix plant, transporting the mixed material and laying with paver finisher fitted with electronic sensing device to the required level and grade and rolling by road roller as per specifications, to achieve the desired density, but excluding the cost of primer / tack coat.		-		

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Sl. No.	Item no. of NCR USSO R - 2010	Description of items	Unit	DFCCIL's Rate (Rs)	Qty.	Amount (Rs)
10	238014	50mm average compacted thickness with bitumen of 60/70 grade @ 3.5% by weight of total mix	sqm	413.06	76,375.00	315,47,512.13
11	237110	Making bajri path including preparation of subgrade, supplying and laying brick aggregate of 50mm nominal size 7.5cm deep with binding material consisting of 12mm thick layer of moorum and 12mm thick layer of red bajri consolidated with road roller	sqm	154.22	61,100.00	94,22,750.81
12	235010	Providing and laying seal coat of premixed fine aggregate (passing 2.36mm and retained on 180micron sieve) with bitumen using 128 kg of bitumen of grade 80/ 100 bitumen and 0.60cum of fine aggregate per 100sqm of road surface including rolling and finishing with road roller all complete. Note - This should not be operated along with Hot mix carpeting	sqm	111.77	76,375.00	85,36,142.10
13	31020	Providing and laying cement concrete, up to plinth in retaining walls, walls (any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain		-		

Signature of tenderer (s)
with seal

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Sl. No.	Item no. of NCR USSO R - 2010	Description of items	Unit	DFCCIL's Rate (Rs)	Qty.	Amount (Rs)
		window sills, fillets etc, excluding the const of cement and of shuttering, centering.				
14	31023	1:2:4 (1 cement : 2 sand : 4 graded stone aggregate 20mm nominal size	cum	2,370.60	142.00	3,36,625.65
15	142030	Providing and laying non-pressure NP3 class (medium duty) R.C.C. pipes including bends etc with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2fine sand) including tasing of joints etc. complete up to 800mm dia.		-		
16	142033	450mm dia. R.C.C. pipe	m	1,400.25	830.00	11,62,207.22
17	33060	Supply and using cement at work site :		-		
18	33061	OPC 43 grade	Tonne	7,294.97	56.00	4,08,518.23
19	236070	Painting road surface marking with adequate number 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.		-		

Signature of tenderer (s)
with seal

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Sl. No.	Item no. of NCR USSO R - 2010	Description of items	Unit	DFCCIL's Rate (Rs)	Qty.	Amount (Rs)
		complete				
20	236071	New work (minimum two coats)	Sqm	113.60	4,053.40	4,60,451.08
		TOTAL COST OF SCHEDULE 'A' ITEMS				133,661,971.21

Signature of tenderer (s)
with seal

Sl. No.	Item no. of NCR USSOR - 2010	Description of items	Unit	Qty.	Rate as per NCR USSOR-2010 (Rs)	Amount (Rs)
SCHEDULE 'B' -						
1	231010	Preparation of subgrade by excavating earth upto 22.5cm depth, dressing to camber and consolidating with power road roller of 8 to 12 tonne capacity including making good the undulations etc. and disposal of surplus earth with lead upto 50 metres	sqm	47.38	52,440.00	24,84,770.45
2	13120	Earthwork in filling in embankment, guide bunds, around buried type abutments, bridge gaps, trolley refuges, rain bunds if provided, platforms etc. with earth excavated from outside railway boundary entirely arranged by the contractor at his own cost as per RDSO's latest guidelines and specifications and special condition of contract including all leads, royalty, lifts, ascents, descents, crossing of nallahs or any other obstructions. The rates shall include all dressing of bank to final profile, demarcation and setting out of profile, site clearance, removing of shrubs, roots of vegetations growth, heavy grass, benching of existing slope of old bank, all handling/re-handling. Taxes, octroi and royalty etc. as a complete job. Cut trees shall be	cum	259.09	24,350.00	63,08,872.59

Sl. No.	Item no. of NCR USSOR - 2010	Description of items	Unit	Qty.	Rate as per NCR USSOR-2010 (Rs)	Amount (Rs)
		property of railways and to be deposited in the railway godown unless specified otherwise in the Special conditions of contract				
3	13130	Extra for mechanical compaction of earth/blanketing material filled in embankment with contractor's rollers of suitable capacity, type and size to achieve specified density as per specification, testing as per IS codes incl. const of water, T&P consumable material and all labour as a complete job. The work is to be executed as per Latest edition of "Guidelines for Earthwork in Railway Projects" issued by RDSO, Lucknow	cum	17.67	24,350.00	4,30,384.44
4	237110	Making bajri path including preparation of subgrade, supplying and laying brick aggregate of 50mm nominal size 7.5cm deep with binding material consisting of 12mm thick layer of moorum and 12mm thick layer of red bajri consolidated with road roller	sqm	154.22	16,141.00	24,89,240.93
5	236020	Providing and laying design mix cement concrete in roads, having a cube strength of M-30 using cement, coarse sand and graded stone aggregate of 40mm nominal size as per approved	cum	3,362.97	3,029.00	101,86,432.62

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Sl. No.	Item no. of NCR USSO R - 2010	Description of items	Unit	Qty.	Rate as per NCR USSOR-2010 (Rs)	Amount (Rs)
		design. mechanically vibrated, steel form work, curing, providing and filling construction & dummy joints with approved joint filler (conforming to grade B of IS: 1834) rounding of the edges, making & filling the grooves as per drawing				
6	236050	Providing and fixing in position pre-moulded joint filler in expansion joints	M	5.43	8,025.00	43,608.54
7	31020	Providing and laying cement concrete, up to plinth in retaining walls, walls (any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets etc, excluding the const of cement and of shuttering, centering.		-		-
8	31023	1:2:4 (1 cement : 2 sand : 4 graded stone aggregate 20mm nominal size	Cum	2,370.60	39.00	92,453.52
9	142030	Providing and laying non-pressure NP3 class (medium duty) R.C.C. pipes including bends etc with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2fine sand) including tasting of		-		-

Signature of tenderer (s)
with seal

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Sl. No.	Item no. of NCR USSO R - 2010	Description of items	Unit	Qty.	Rate as per NCR USSOR-2010 (Rs)	Amount (Rs)
		joints etc. complete up to 800mm dia.				
10	142033	450mm dia. R.C.C. pipe	M	1,400.25	230.00	3,22,057.42
11	33060	Supply and using cement at work site :		-		-
12	33061	OPC 43 grade	Tonne	7,294.97	1,863.00	135,90,526.19
13	236070	Painting road surface marking with adequate number 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		-		-
14	236071	New work (minimum two coats)	Sqm	113.60	1,075.40	1,22,161.42
		TOTAL COST OF SCHEDULE 'B' ITEMS				360,70,508.12

Sl. No.	Item no.	Description of items	Unit	Qty.	Rate (Rs)	Amount (Rs)
SCHEDULE 'C' - NON SCHEDULED ITEMS						
15	N.S Item	Construction of dry lean cement concrete sub base over a prepared sub-grade with coarse and fine aggregate conforming to IS:383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per specifications, cement content not to be less than 150 kg/cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, for all leads & lifts, laid with a mechanical paver, compacting with 8-10 tonne vibratory roller, finishing and curing etc. complete as per direction of Engineer-in-charge.	cum	5,537.00	3,353.00	185,65,561.00
		TOTAL COST OF SCHEDULE 'C' ITEMS				185,65,561.00

Explanatory Notes for BOQ:

- I. Contractor shall quote rates inclusive of shuttering and curing.
- II. The rates of reinforcement item mentioned in the above schedule include placing of reinforcement under running traffic conditions.
- III. All NCR USSOR items contain item nos., if any discrepancy is found in nomenclature, schedule nomenclature will prevail.
- IV. The rates shall also be inclusive of all taxes legally leviable and / or any other taxes, license fee and royalty charges etc. if any.
- V. The above quantity is approximate:-The DFCCIL reserve the right to increase / decrease the same.

Signature of tenderer (s)
with seal