

**EDFC FIELD UNIT-TUNDLA-CIVIL/EDFC
TENDER DOCUMENT**

Tender No: TDL-EN-BPUN-KRJN-CB-100S

Closing Date/Time: 08/12/2022 15:00

CGM/DFCCIL/Tundla acting for and on behalf of The President of India invites E-Tenders against Tender No **TDL-EN-BPUN-KRJN-CB-100S** Closing Date/Time 08/12/2022 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.

Contractors are allowed to make payments against this tender towards tender document cost and earnest money only through only payment modes available on IREPS portal like net banking, debit card, credit card etc. Manual payments through Demand draft, Banker cheque, Deposit receipts, FDR etc. are not allowed.

1. NIT HEADER

Name of Work	Provision and Repairs of Ballast retaining wall at specific locations of bridges and other allied works in between New Khurja to New Bhaupur section of Eastern Dedicated Freight Corridor Corporation of India Limited (DFCchainage 514.630 to 851 . 39)		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	08/12/2022 15:00	Date Time Of Uploading Tender	09/11/2022 20:05
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	36726763.00	Tendering Section	CIVIL
Bidding Style	Single Rate for Each Schedule	Bidding Unit	
Earnest Money (Rs.)	333600.00	Validity of Offer (Days)	120
Tender Doc. Cost (Rs.)	11800.00	Period of Completion	270 Days
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	24/11/2022	Are Joint Venture (JV) firms allowed to bid	No
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Capital (Works)

2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule A-Schedule -A							12941604.50	Above/ Below/Par
1	Please see Item Breakup for details.				1099150.00	AT Par	1099150.00	
	Description:- Earthwork in excavation by mechanical means (Hydraulic Excavator)/Manual Means for foundations and floors of the bridges, retaining walls etc. including setting out, dressing of sides, ramming of bottom, getting out the excavated material, back filling in layers with approved material and consolidation of the layers by ramming and watering etc. including all lift, disposal of surplus soil upto a lead of 300m, all types of shoring and strutting with all labour and material complete as per drawing and technical specification as directed by Engineer in charge. Note: This item will be used for excavation work in connection with other miscellaneous works also. like side drains, foundation for OHE masts and other miscellaneous structures in connection with Gauge Conversion, Doubling, New lines							
3	12010	1000.00	cum	346.42	346420.00	AT Par	346420.00	
	Description:- Earthwork in filling in embankment , guide bunds, around buried type abutments, bridge gaps, trolley refuges, rain bunds, if provided, platforms etc. with earth, suitable for embankment as per RDSO latest Specifications and guidelines GE: G-14 of Soil Quality Class SQ1, excavated from outside railway boundary entirely arranged by the contractor at his own cost including all leads, lifts, ascents, descents, crossing of nallahs or any other obstructions. The item shall include 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, spreading in layers with motor grader, bringing the moisture content to OMC, mechanical compaction to specified density and dressing of bank to final profile as a complete job. The payment shall be made as per finished profile and the rate shall include all costs including taxes, octroi, royalty etc. except for mechanical compaction which shall be paid extra under relevant item. Cut trees shall be property of railways and to be deposited in the railway godown unless specified otherwise in the Special Conditions of Contract							
4	Please see Item Breakup for details.				631400.00	AT Par	631400.00	
	Description:- Providing and laying in position Plain cement concrete of specified Nominal Mix for miscellaneous works like side drains, foundation for OHE masts and other miscellaneous structures excluding the cost of Cement, centering and shuttering - All work up to plinth level :							
6	Please see Item Breakup for details.				4161285.00	AT Par	4161285.00	
	Description:- Supply and using Cement at Worksite							
8	25072	25000.00	Kg	88.58	2214500.00	AT Par	2214500.00	
	Description:- Thermo-Mechanically Treated bars of grade Fe-500D or more.							

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9	52030	500.00	cum	1283.95	641975.00	AT Par	641975.00
	Description:- Supply and laying of quarry dust including consolidation, supply of all materials, labour, lead lift, tools, plants, crossing of tracks as per drawing and technical specification as directed by the engineer in charge in case loose slush is encountered at site of foundation before casting the foundation or laying the filtering media						
10	52260	200.00	cum	1845.92	369184.00	AT Par	369184.00
	Description:- Supplying, spreading and filling coarse sand (no cohesive materials to be used) of approved quality including watering and ramming in foundation, plinth, behind the abutment, wing wall, retaining wall in layers not exceeding 150mm thick including its compaction as per direction of Engineer-in-charge. The rate includes all lead, lift, ascent, descent, crossing of Railway line etc. complete with contractor's labour, materials, tools and plant.						
11	111090	4000.00	cum	459.09	1836360.00	AT Par	1836360.00
	Description:- Repairing of embankment with contractor's own earth including , excavation / loading into contractor's vehicle with soil quality class SQ1 in cess / formation / level crossing, rain cuts etc. in running line to make surface to the desired level and slope to entire satisfaction of Engineer in-charge. Rate shall include sectioning to profile, all lift, descends, ascends, crossing of track / road / nallah etc. including breaking of clods etc. and compaction by rollers / rammers / tamping rods etc.						
12	211140	10.00	Each	589.23	5892.30	AT Par	5892.30
	Description:- Making Trolley Refuge of size 2.75m x 2.75m and placing released unserviceable PSC sleepers at all four sides of refuge (Earth-work to be paid separately)						
13	Please see Item Breakup for details.				449475.20	AT Par	449475.20
	Description:- Providing & laying non pressure NP-4 Class RCC pipe with collars, jointing with 1:2 cement and ordinary sand mortar including testing of joints, but excluding earthwork with all labour and material as a complete job. Cement for mortar will be paid separately.(Pipes of 600mm dia and above will be laid using crane/hydra).						
16	211220	50.00	Hour	1617.34	80867.00	AT Par	80867.00
	Description:- Hiring of JCB/Hitachi for levelling and dressing ground/dismantling structures ,Removal of jungle, clearing of earth, lowering high cess etc., along side the track between up and down lines obstructing drainages of rain water, clearing of bushes obstructing visibility at curves and Level Crossings with all lead and lift etc. complete and as directed by the Engineer-in-charge .All labour, tools and plants consumables stores including supply of JCB/Hitachi with crew to be provided by the contractor at his own cost. The contractor shall arrange road permit for vehicle for all the States of operation, as per instructions of engineer in-charge and vehicle shall not be more than three years old.Payment shall be made for actual working hours at site.						
17	Please see Item Breakup for details.				537666.00	AT Par	537666.00
	Description:- Grouting of masonry/concrete by injection process duly Sealing of cracks, through nipples complete as per Technical Specification and procedure given in IRBM Para No 209 including necessary admixture. (Cement will be paid extra						
21	52090	200.00	Sqm	1587.15	317430.00	AT Par	317430.00
	Description:- Applying epoxy mortar over leached, honey combed and spalled concrete surface and exposed steel reinforcement complete as per Technical Specification with average thickness of 10mm including priming coat, mortar plaster and seal coat of epoxy.						
22	USSOR2019	1.00	Lumpsum	250000.00	250000.00	AT Par	250000.00
	Description:- Any other item required as per USSOR 2019						

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule B-Schedule-B							19838534.00	Above/ Below/Par
1	DSR2018	200.00	Sqm	91.45	18290.00	AT Par	18290.00	
	Description:- 13.106 Painting (one or more coats) with black Japan paint of approved brand and manufacture to give an even shade.							
2	Please see Item Breakup for details.				57590.00	AT Par	57590.00	
	Description:- DSR-2018, 13.44 Finishing walls with water proofing cement paint of required shade :							
4	Please see Item Breakup for details.				985683.00	AT Par	985683.00	
	Description:- Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :							
6	Please see Item Breakup for details.				340605.00	AT Par	340605.00	
	Description:- 12 mm cement plaster of mix :							
9	0020	20.00	Day	8835.40	176708.00	AT Par	176708.00	
	Description:- DSR-2018, 0020, Hydraulic Excavator (3D) with driver and fuel							
	Please see Item Breakup for details.				13884588.00	AT Par	13884588.00	

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10	Description:- Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.(Note :- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately).						
13	Please see Item Breakup for details.	88040.00	AT Par	88040.00			
	Description:- DSR-2018, 5.34 Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable /recoverable separately.						
15	Please see Item Breakup for details.	4025070.00	AT Par	4025070.00			
	Description:- Centering and shuttering including strutting, propping etc. and removal of form work for :						
18	231	500.00	Sqm	15.84	7920.00	AT Par	7920.00
	Description:- DSR-2018, 2.31, Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared						
19	232	500.00	Sqm	8.08	4040.00	AT Par	4040.00
	Description:- DSR-2018, 2.32, Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.						
20	DSR2018	1.00	Lumpsum	250000.00	250000.00	AT Par	250000.00
	Description:- Any other item required as per DSR						

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule C-Schedule-C							3946624.50	Above/ Below/Par
1	NS1	1000.00	Sqm	1211.74	1211740.00	AT Par	1211740.00	
	Description:- Supply & installation of 30 honey-comb shaped GEOCELLS 100/660 with complete accessories installation along with U-hook & filling it with local earth compacting & seeding cell with 660mm depth 100mm							
2	NS2	25000.00	Kg	108.52	2713000.00	AT Par	2713000.00	
	Description:- Structural Steel Supply,Fabrication,Erection and Painting							
3	NS3	50.00	RM	437.69	21884.50	AT Par	21884.50	
	Description:- PIPE,NON METALLIC,HALF CUT RAIN WATER,300MM							

3. ITEM BREAKUP

Schedule	Schedule A-Schedule -A								
Item- 1	Earthwork in excavation by mechanical means (Hydraulic Excavator)/Manual Means for foundations and floors of the bridges, retaining walls etc. including setting out, dressing of sides, ramming of bottom, getting out the excavated material, back filling in layers with approved material and consolidation of the layers by ramming and watering etc. including all lift, disposal of surplus soil upto a lead of 300m, all types of shoring and strutting with all labour and material complete as per drawing and technical specification as directed by Engineer in charge. Note: This item will be used for excavation work in connection with other miscellaneous works also. like side drains, foundation for OHE masts and other miscellaneous structures in connection with Gauge Conversion, Doubling, New lines								
S No.	Item No	Description of Item				Unit	Qty	Rate	Amount
1	022011	All kinds of soils				cum	5000.00	219.83	1099150.00
							Total	1099150.00	
Item- 4	Providing and laying in position Plain cement concrete of specified Nominal Mix for miscellaneous works like side drains, foundation for OHE masts and other miscellaneous structures excluding the cost of Cement, centering and shuttering - All work up to plinth level :								
S No.	Item No	Description of Item				Unit	Qty	Rate	Amount
1	22034	1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size)				cum	200.00	3157.00	631400.00
							Total	631400.00	
Item- 6	Supply and using Cement at Worksite								

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S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	25061	Ordinary Portland Cement 43 grade	MT	500.00	8322.57	4161285.00
					Total	4161285.00
Item- 13	Providing & laying non pressure NP-4 Class RCC pipe with collars, jointing with 1:2 cement and ordinary sand mortar including testing of joints, but excluding earthwork with all labour and material as a complete job. Cement for mortar will be paid separately.(Pipes of 600mm dia and above will be laid using crane/hydra).					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	52251	300mm dia	Metre	100.00	2318.16	231816.00
2	52252	450mm dia.	Metre	80.00	2720.74	217659.20
					Total	449475.20
Item- 17	Grouting of masonry/concrete by injection process duly Sealing of cracks, through nipples complete as per Technical Specification and procedure given in IRBM Para No 209 including necessary admixture. (Cement will be paid extra					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	52071	Neat Cement Grout with 20% anti shrinkage compound w.r.t. cement.	Kg	500.00	373.47	186735.00
2	52072	Cement Sand Mortar (1:1) Grout with 20% anti-shrinkage compound w.r.t. cement	Kg	100.00	517.63	51763.00
3	52073	Epoxy Grout	Kg	200.00	1495.84	299168.00
					Total	537666.00
Schedule	Schedule B-Schedule-B					
Item- 2	DSR-2018, 13.44 Finishing walls with water proofing cement paint of required shade :					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	13441	DSR-2018, 13.44.1, New work (Two or more coats applied @ 3.84 kg/10 sqm)	Sqm	500.00	115.18	57590.00
					Total	57590.00
Item- 4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	641	DSR-2018, 6.4.1 Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	100.00	9856.83	985683.00
					Total	985683.00
Item- 6	12 mm cement plaster of mix :					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	13.4.1	DSR-2018:- 1:4 (1 cement: 4 coarse sand)	Sqm	500.00	348.56	174278.50
2	13.4.2	DSR 2018:- 1:6 (1 cement: 6 coarse sand)	Sqm	500.00	332.65	166326.50
					Total	340605.00
Item- 10	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.(Note :- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately).					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	533	DSR-2018, 5.33.1, All works upto plinth level	cum	200.00	10094.19	2018838.00
2	5332	DSR-2018, 5.33.2All works above plinth level upto floor V level	cum	1000.00	11865.75	11865750.00
					Total	13884588.00

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Item- 13	DSR-2018, 5.34 Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable /recoverable separately.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	5.34.1	DSR-2018, Providing M-30 grade concrete instead of M-25 grade BMC/ RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum)	cum	1000.00	88.04	88040.00
					Total	88040.00
Item- 15	Centering and shuttering including strutting, propping etc. and removal of form work for :					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	4.3.1	DSR-2018, Foundations, footings, bases for columns	Sqm	500.00	359.54	179770.00
2	4.3.2	DSR-2018, Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	Sqm	5000.00	769.06	3845300.00
					Total	4025070.00

4. ELIGIBILITY CONDITIONS

Special Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As Per Tender Document.	No	No	Allowed (Mandatory)

Special Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As Per Tender Document.	No	No	Allowed (Mandatory)

5. COMPLIANCE

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S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As Per Tender Document.	No	No	Not Allowed

Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As Per Tender Document.	Yes	Yes	Allowed (Mandatory)
2	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 Required	Remarks Allowed	Documents Uploading
1	As Per Tender Document.	No	No	Not Allowed

Special Conditions

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As Per Tender Document.	No	No	Not Allowed

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Technical-Compliances

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As Per Tender Document.	Yes	Yes	Allowed (Mandatory)

Undertakings

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As Per Tender Document.	No	No	Not Allowed

6. Documents attached with tender

S.No.	Document Name	Document Description
1	TENDERDOCUMENTTDL-EN-BPUN-KRJN-CB-100S.pdf	TENDER DOCUMENT

This tender complies with Public Procurement Policy (Make in India) Order 2017, dated 15/06/2017, issued by Department of Industrial 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

Designation : DYPM/Engg/TDL