

**WDFC FIELD UNIT-JAIPUR-CIVIL/WDFC
TENDER DOCUMENT**

Tender No: JP-EN-REJN-KMBHS-MJB-12

Closing Date/Time: 19/06/2023 15:00

CGM-DFCCIL-JAIPUR acting for and on behalf of The President of India invites E-Tenders against Tender No **JP-EN-REJN-KMBHS-MJB-12** Closing Date/Time 19/06/2023 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 Railway Bridges in connection with providing Connectivity between chainage 5.2 km (on DFCCIL New Rewari - Kishangarh Balawas Connecting line) to IR Kumbhawas station under Jurisdiction of CGM/Jaipur.		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Two Packet System
Tender Closing Date Time	19/06/2023 15:00	Date Time Of Uploading Tender	17/05/2023 17:43
Pre-Bid Conference Required	Yes	Pre-Bid Conference Date Time	31/05/2023 11:00
Advertised Value	832671039.77	Tendering Section	ENGG1
Bidding Style	Single Rate for Tender	Bidding Unit	Above/Below/Par
Earnest Money (Rs.)	4313400.00	Validity of Offer (Days)	90
Tender Doc. Cost (Rs.)	29500.00	Period of Completion	12 Months
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	05/06/2023	Are Joint Venture (JV) firms allowed to bid	Yes
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-USSOR 2019 & NON Schedule							832671039.77	
1	1	878.40	cum	312.44	274447.30	17.04	321213.12	
	Description:- 12020/"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 SQ2, 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. Note: Payment under this item shall be made only upto the thickness as approved by Engineer-in-Charge. Any additional thickness executed shall be paid under the item of Earthwork in filling in embankment for Soil Quality Class SQ1."							
2	2	3859.67	cum	183.94	709947.70	17.04	830922.79	
	Description:- 22010/22011 " 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 " / All kinds of soils							
3	3	172.65	cum	2579.73	445390.38	17.04	521284.90	
	Description:- 22030/22032 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 : / "1:2:4 (1 Cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)"							
	4	2071.82	cum	2604.77	5396614.58	17.04	6316197.70	

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4	Description:- 22040 Providing and laying in position machine batched, machine mixed and machine vibrated Design Mix Cement Concrete of M35 grade (Cast in-Situ) using 20mm graded crushed stone aggregate and coarse sand of approved quality in RCC raft foundation & Pile cap including finishing, using Admixtures in approved proportions (as per IS:9103), to modify workability & other properties without impairing strength and durability complete as per specifications and direction of the Engineer in charge. Payment for cement, reinforcement and shuttering shall be paid extra						
5	539.77	cum	2865.24	1546570.59	17.04	1810106.22	
5	Description:- 22050/22051 Providing and laying in position machine batched, machine mixed and machine vibrated Design Mix Cement Concrete of Specified grade (Cast in-Situ) using 20mm graded crushed stone aggregate and coarse sand of approved quality for the following Reinforced cement concrete structural elements up to height of 10 m from foundation top level, including finishing, using Admixtures in approved proportions (as per IS:9103), to modify workability & other properties without impairing strength and durability complete as per specifications and direction of the Engineer in charge. Payment for cement, reinforcement, shuttering shall be paid extra / Abutment & Pier						
6	2459.64	cum	2865.24	7047458.91	17.04	8248345.91	
6	Description:- 22050/22052 Providing and laying in position machine batched, machine mixed and machine vibrated Design Mix Cement Concrete of Specified grade (Cast in-Situ) using 20mm graded crushed stone aggregate and coarse sand of approved quality for the following Reinforced cement concrete structural elements up to height of 10 m from foundation top level, including finishing, using Admixtures in approved proportions (as per IS:9103), to modify workability & other properties without impairing strength and durability complete as per specifications and direction of the Engineer in charge. Payment for cement, reinforcement, shuttering shall be paid extra /Wing wall and Return wall						
7	84.78	cum	2995.48	253956.79	17.04	297231.03	
7	Description:- 22050/22053 Providing and laying in position machine batched, machine mixed and machine vibrated Design Mix Cement Concrete of Specified grade (Cast in-Situ) using 20mm graded crushed stone aggregate and coarse sand of approved quality for the following Reinforced cement concrete structural elements up to height of 10 m from foundation top level, including finishing, using Admixtures in approved proportions (as per IS:9103), to modify workability & other properties without impairing strength and durability complete as per specifications and direction of the Engineer in charge. Payment for cement, reinforcement, shuttering shall be paid extra /Abutment cap, Pier Cap, Inspection Platform & Pedestal over Pier cap, Fender wall, Diaphragm wall etc						
8	237.85	cum	2734.99	650517.37	17.04	761365.53	
8	Description:- 22050/22054 Providing and laying in position machine batched, machine mixed and machine vibrated Design Mix Cement Concrete of Specified grade (Cast in-Situ) using 20mm graded crushed stone aggregate and coarse sand of approved quality for the following Reinforced cement concrete structural elements up to height of 10 m from foundation top level, including finishing, using Admixtures in approved proportions (as per IS:9103), to modify workability & other properties without impairing strength and durability complete as per specifications and direction of the Engineer in charge. Payment for cement, reinforcement, shuttering shall be paid extra / Approach slab at formation level, Dirt wall/ ballast wall at formation level						
9	2214.00	Metre	9485.05	20999900.70	17.04	24578283.78	
9	Description:- 22090/22092 Providing, driving and installing Bored cast in-situ Reinforced Cement Concrete piles using Hydraulic piling Rig of specified diameter and length below pile cap of specified grade Design Mix Cement Concrete, using 20mm graded crushed stone aggregate and coarse sand of approved quality, to carry a safe working load not less than specified, excluding the cost of permanent casing pipe and length of pile to be embedded in pile cap etc. complete, concreting by machine batching, machine mixing, scaffolding, using Admixture in approved proportion (as per IS:9103), placing with tremie pipe, chipping off of pile top to remove laitance concrete above cut off level etc., pumping and bailing out water with all labour material complete including crossing of tracks if required, as per approved drawing, specification and direction of the Engineer in charge. Length of the pile for payment shall be measured upto the bottom of pile cap excluding the mud mat. Payment for cement, permanent casing pipe (if any) & reinforcement shall be paid extra / 1200mm diameter						
10	2214.00	Metre	4429.85	9807687.90	17.04	11478917.92	
10	Description:- 22110/22111 Extra for chiselling in addition to boring of piles, if chiselling is resorted to in hard rock or big stone boulders larger than 30cm depth by any means, i.e. by chisel or manual chisel and hammer method / 1200mm diameter pile						
11	96.00	Each	57230.28	5494106.88	17.04	6430302.69	
11	Description:- 22120/22121 Conducting load testing of a single pile upto following capacity in accordance with IS:2911 (Part-IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. with all labour, material, tool & plants, equipment, machinery, etc. complete as per drawing and specification, as directed by the Engineer/Initial load test upto 50 ton capacity pile						
12	192.00	Each	21637.55	4154409.60	17.04	4862321.00	
12	Description:- 22125Routine Load Test upto 50 ton capacity pile						
13	5622.03	Sqm	172.40	969237.97	17.04	1134396.12	

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13									Description:- 25020 Providing and applying two coats of coal tar or bitumen conforming to IS:3117- latest version on the top and sides of RCC box/slabs @ 1.70 kg/sqm after cleaning the surface with all labour and materials complete job as directed by the Engineer
14	14	7888.18	Sqm	635.08	5009625.35	17.04	5863265.51		Description:- 25030/25031 centering and shuttering including strutting, propping etc. and removal of form for /: 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
	15	6494.30	Sqm	825.88	5363512.48	17.04	6277455.01		Description:- 25032All types of bridge super-structures, e.g. slabs, I-girders, T-girders, Box girders etc. upto 5m above ground level
16	16	3450.77	MT	6963.49	24029402.39	17.04	28124012.56		Description:- 25060/25061 Supply and using Cement at Worksite/Supply of cement of OPC 43 grade
	17	557892.67	Kg	74.12	41351004.70	17.04	48397215.90		Description:- 25070/25072 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete / Thermo-Mechanically Treated bars of grade Fe-500D or more.
18	18	78.50	Metre	8897.57	698459.24	17.04	817476.69		Description:- 31100/31102 Providing and fixing in position of standard preformed sealed and slab type or strip seal elastomeric type expansion joints for Railway bridge or Road Over Bridges as per approved drawings and latest MOST/IRC specifications. The rates are inclusive of supplying, fixing with contractor's own materials, e.g. inserts, bolts, socket tubes, Neoprene sheet/cap etc., equipments, machineries, labour, all taxes, royalty, all lead & lifts, transport, testing, surface preparations, complete/For 80mm expansion
	19	725.18	Sqm	509.84	369725.77	17.04	432727.04		Description:- 31130 Providing Flood Level Gauges on abutments and piers, made by 20mm thick 1:4 cement plaster for a width of not less than 300mm, duly engraving markings & figures in metres, divided into 10 parts commencing from under-side of girders towards bed, painting markings & figures with black enamel paint in three coats on white background including painting HFL Mark in white by side of gauge with year of occurrence with all Contractor's materials, labour, tools, scaffolding and supports, lead & lifts, curing etc. complete as per approved drawing and as directed by the Engineer in- charge excluding cost of cement which shall be paid extra
20	20	1902.31	MT	113313.83	215558031.95	17.04	252289120.59		Description:- 41020/41021 "Supplying, fabrication, assembling of all types of steel Composite girders of specified spans with structural steel conforming to Quality ""B0"" Grade Designation E250 conforming to IS:2062, erection / slewing / end launching of steel girders with cranes or any other approved launching methods as per site conditions on sub-structure including provision of stud bolts / shear connectors, complete as per approved QAP and drawings conforming to IRS-B1-2001 and other relevant codes and specifications. Note: 1. Detailed fabrication and erection drawings & launching methodology will be prepared by the contractor and got approved from Railway. 2. Rate includes fabrication of all types of battens, bracings, ties, stiffeners, packing, diaphragms, shop rivets / welding, T&F bolts, drifts, SAW, templates, jigs, fixtures, accessories, transporting various components from fabrication shop to site including loading & unloading, assembly of girders with drifts/bolts, field riveting /welding /HSFG Bolting, assembling of temporary support for side slewing, raising of girders to the bed block level, providing sliding arrangements and slewing the girder in position, lowering of girder on bearings and bed plates with all temporary arrangements or any other method of launching complete. 3. The bearing sets to be provided with the girders will be paid separately as per relevant item. 4. Payment for addition in weight for rivets / welds shall be made as per clause 45 of IRS B-1-2001. 5. In case of composite work (welding and HSFG bolts), addition in weight shall be 1% for welding and HSFG bolts shall be paid separately under relevant item. 6. Painting of girders will be paid separately under relevant item. 7. Payment Schedule: (i) Receipt of material at site: 40% (ii) Fabrication of girders: 20% (iii) Erection/Launching: 20% (iv) Completion in all respects: 20%" / Composite steel girder of span length up to 36.0m
	21	1685.40	MT	120815.83	203622999.88	17.04	238320359.06		Description:- 41022Composite steel girder of span length above 36.0m
22	22	6494.30	Sqm	207.28	1346138.50	17.04	1575520.50		Description:- 41260/41264 Painting cleaned bridge plate/composite girders including all scaffolding, shuttering and strutting along with provision of Jhoola / hanging scaffolding ladders etc. where required/With two coats of epoxy paint conforming to RDSO spec M&C/PCN/123-11 Note: DFT of each coat shall be 60 microns.
	23	1531.05	MT	80457.76	123184853.45	17.04	144175552.48		

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		Description:- '041390 Supplying fabricating and erecting welded and/or bolted and/or riveted steel work in built up sections, trusses and framed work, staging, racks etc.for Steel Structures other than bridge girders, using RSJ, tees, angles and channels/flats, plates, gussets, round or square bars, cleats, bolts etc., with contractors own steel including cutting, bending, straightening, drilling, riveting, hoisting, fixing, erecting, welding, bolting etc., with Providing stiffeners wherever required as per approved drawing including applying a priming coat of a approved steel primer with all contractor's materials, labour, tools & plants, lead & lift including crossing of tracks if required etc., complete as per specification and as directed by Engineer-in-charge.					
24	24	1686.61	cum	1710.07	2884221.16	17.04	3375692.45
		Description:- 51010Providing and laying boulders apron on river bed for protection against scour with stone boulders weighing not less than 35 kg each with voids filled with spalls complete as per drawing and Technical Specification					
25	25	1686.61	cum	844.54	1424409.61	17.04	1667129.01
		Description:- 51020Laying of boulder apron laid in wire crates of approved size including overlaps at joints, laid with stone boulders, all loose ends to be tied with 4mm galvanised steel wire. Payment for boulders & wire crates to be done extra					
26	26	1686.61	cum	1057.21	1783100.96	17.04	2086941.36
		Description:- 51030Supplying of stone boulders weighing not less than 35 kg each at specified bridge locations					
27	27	2910.34	cum	3843.79	11186735.79	17.04	13092955.57
		Description:- 51070Providing and laying Pitching with Stone Boulders, weighing not less than 35kg each with voids filled with cement sand mortar 1:4 on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and Technical Specifications (filter media to be paid separately under the relevant item). Rate is excluding cost of cement which shall be paid extra under relevant item.					
28	28	727.59	cum	2917.61	2122823.86	17.04	2484553.05
		Description:- 51080providing and laying filter material as per RDSO specification underneath pitching in slopes complete as per drawing and technical specification					
29	29	214.60	cum	2572.80	552122.88	17.04	646204.62
		Description:- 52010Providing and laying flooring with rubble stone, laid over 15cm thick CC 1:2:4 and the voids filled with CC 1:2:4 complete with the joints pointed with 1:2 Cement Sand mortar as per drawing and Technical specifications. Payment for cement to be done separately. Voids in the rubble stone to be taken as 35% of the gross volume of the stone layer. (Base concrete to be paid extra)					
30	30	3713.50	Metre	532.27	1976584.65	17.04	2313394.67
		Description:- 52150Providing weep holes by making suitable opening or drilling in existing Brick Masonry / Plain / Reinforced Concrete abutment, wing wall/return wall with 110 mm dia UPVC pipe (working pressure 4kg/sqcm) extending through the full width of the structure complete and repairing the same with cement mortar 1:2 (1 cement : 2 coarse sand). Rate is excluding the cost of cement which shall be paid extra.					
31	31	3519.53	cum	2671.77	9403374.67	17.04	11005709.71
		Description:- 52170Providing and laying of filter media consisting of granular materials of GW, GP, SW groups as per IS:1498 (latest) in required profile behind boulder filling of abutments, wing walls / return walls etc. above bed level with all labour and material complete job as per drawing and technical specification of RDSO Guidelines.					
32	32	24.00	Set	428.52	10284.48	17.04	12036.96
		Description:- 201040Manufacture & supply of Elastomeric Pads 25mm / 30mm thick as per RDSO drawing No. B/1636//R2 to suit Insulated steel channel sleepers with all contractor's material, lead, lift, labour, tools, plant and transportation etc. complete as per approved drawings and as instructed by Engineer in-charge {One set of sleeper constitute two Nos.}					
33	33	8.00	MT	164167.50	1313340.00	AT Par	1313340.00
		Description:- NS -1"Design, manufacturing, supplying and fixing in position elastomeric bearing true to line and level conforming to IS:3400, IS:226, BS-5400 under prestressed concrete girders/ Steel Girders, for Pre-cast as well as cast-in-situ girders as per approved drawing. The rate shall include cost of load test of one no. bearing from Railway approved firms and all fixing materials, equipments, machineries, labour, taxes, loading, unloading, leading, lifting etc. complete. Rates include getting the drawing approved from Railway and cost of inspection during manufacturing from railway approved organization. "					
34	34	12.00	Month	67457.36	809488.32	AT Par	809488.32
		Description:- NS-2Providing Diesel/Petrol driven Commercial field vehicles i.e. Scorpio/ Xylo (with Power Steering & Power Window) for use in the jurisdiction of Chief General Manager/Jaipur of WDFC up to 2500 Km and 312 hours per month. The rate includes license fee, permit, driver's wages, Fuel, repair and maintenance of vehicle etc. with exceptions as mentioned in conditions.					

3. ITEM BREAKUP

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No item break up added

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	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

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.	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	No	No	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

Technical-Compliances

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

Undertakings

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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	TechnicalBid17.05.2023_.pdf	Technical Bid
2	FinancialBid17.05.2023.pdf	Financial Bid

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: HARISH KUMAR JAIN

Designation : DYPMWorks