

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

Tender No: JP-EN-RUB-LHS-2023-11

Closing Date/Time: 24/05/2023 15:00

CGM-DFCCIL-JAIPUR acting for and on behalf of The President of India invites E-Tenders against Tender No **JP-EN-RUB-LHS-2023-11** Closing Date/Time 24/05/2023 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 RUB/LHS under electrified running lines by RH Girder/cut cover method including approaches.		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	24/05/2023 15:00	Date Time Of Uploading Tender	10/05/2023 14:07
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	26434587.12	Tendering Section	ENGG1
Bidding Style	Single Rate for Tender	Bidding Unit	Above/Below/Par
Earnest Money (Rs.)	282200.00	Validity of Offer (Days)	60
Tender Doc. Cost (Rs.)	11800.00	Period of Completion	4 Months
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	10/05/2023	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-USSOR-2019							17633802.38	
1	1	3693.07	cum	183.94	679303.30	6.51	723525.94	
	Description:- 022010/022011 "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							
2	2	100.00	cum	381.18	38118.00	6.51	40599.48	
	Description:- 022012 Ordinary rock							
3	3	3693.07	cum	6.57	24263.47	6.51	25843.02	
	Description:- 011016"Extra for leading of Cut spoil every one km beyond original lead of 2 km over"							
4	4	90.81	cum	2641.47	239871.89	6.51	255487.55	
	Description:- 22030/22034 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 plinthlevel / 1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size)							
5	5	387.49	cum	2604.77	1009322.33	6.51	1075029.21	
	Description:- 022040"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 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."							
	6	384.29	cum	2865.24	1101083.08	6.51	1172763.59	

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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	1289.89	Sqm	635.08	819183.34	6.51	872512.18
7	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						
	8	336.41	MT	7048.07	2371041.23	6.51	2525396.01
8	Description:- 25060/25062 Supply and using Cement at Worksite / Ordinary Portland Cement 53 grade (no rates reqd.)						
	9	60575.53	Kg	74.12	4489858.28	6.51	4782148.05
9	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.						
	10	1693.60	Sqm	172.40	291976.64	6.51	310984.32
10	Description:- 25020Providing 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						
	11	189.00	cum	478.69	90472.41	6.51	96362.16
11	Description:- 52270Providing Boulder Backing behind wing wall, return wall, retaining wall with hand packed boulders & cobbles with smaller size boulders toward the back including all lead, lift, labour & other incidental charges as complete work in all respect. Payment for boulder/cobbles will be done extra.						
	12	202.50	cum	289.84	58692.60	6.51	62513.49
12	Description:- 12010Earthwork 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						
	13	3.00	Each	11376.29	34128.87	6.51	36350.66
13	Description:- 181230/181232 Providing Rail Height Gauge at approaches of level crossings as per approved drawings in cement concrete foundation using Railway's rails of all sections including cutting, bending, drilling holes, erecting in position with clamps, bolts & nuts including painting with one coat of enamel paint of specified colour over one coat of primer. {Note : excavation and concrete work will be paid separately} -/ (b) Above 5 metre width of level crossing						
	14	54.58	MT	80457.76	4391384.54	6.51	4677263.67
14	Description:- 41390Supplying 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.						
	15	600.00	Kg	146.04	87624.00	6.51	93328.32
15	Description:- 41080/Providing and fixing various size HTS holding down bolts conforming to IS:1364 in concrete column or in other structures with proper nuts, bolts, washers/plates, grouting of holes with all material, labour, T&P as a complete job. Note: Cement used in grouting will be paid separately under relevant item.						
	16	40.00	Metre	2705.00	108200.00	6.51	115243.82
16	Description:- 52250/52253 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).600mm dia						

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17	17	8.00	Each	775.30	6202.40	6.51	6606.18	
	Description:- 52230Providing cast in situ bridge number plaques as per Railway drawing in cement concrete 1:2:4 mix using 20mm hard stone aggregate embedded in 30mm notch in Bridge parapet coping duly engraving the letter and figures and an arrow indicating the direction of flow and finishing the top exposed surface with cement mortar 1:3, painting letters and figures with two coats of black enamel paint on two coats of white background with all labour, tools, cement, paint etc. with all leads and lifts.							
18	18	9000.00	Each	23.92	215280.00	6.51	229294.73	
	Description:- 211240Supplying and filling 50 kg size empty cement polythene bags with Rly. Ballast/moorum/earth/Sand/quarry dust etc. placing the filled bags on the high banks /bridge approaches/nominated place etc. dumping and spreading at the nominated locations to profile under block period with all contractor's labour,tools,plants. ,loading, unloading, filling,spreading including all lead/lift etc. complete and as directed by the Engineer in charge at site including crossing of track where necessary.							
19	Lump Sum				500000.00	6.51	532550.00	
	Description :- Any USSOR Item							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule B-Non-Schedule							8800784.74	
1	1	360.00	Sqm	142.64	51350.40	12.00	57512.45	
	Description:- NS-1Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earthwith lead upto 50 metres.							
2	2	235.35	cum	2100.38	494324.43	12.00	553643.36	
	Description:- NS-2 Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge./ With material conforming to Grade-I (size range 75 mm to 0.075 mm) having CBR Value-30							
3	3	63.00	cum	3263.87	205623.81	12.00	230298.67	
	Description:- NS-3Construction 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 Engineerin- charge.							
4	4	78.75	cum	10542.72	830239.20	12.00	929867.90	
	Description:- NS-4 Providing and laying design mix cement concrete of M-30 grade, in roads/ taxi tracks/ runways, using cement content as per design mix, using coarse sand and graded stone aggregate of 40 mm nominal size in appropriate proportions as per approved & specified design criteria, providing dowel bars with sleeve/ tie bars wherever required, laying at site, spreading and compacting mechanically by using needle and surface vibrators, levelling to required slope/ camber, finishing with required texture, including steel form work with sturdy M.S. channel sections, curing, making provision for contraction/ expansion, construction & longitudinal joints (10 mm wide x 50 mm deep) by groove cutting machine, providing and filling joints with approved joint filler and sealants, complete all as per direction of Engineer-in-charge (Item of joint fillers, sealants, dowel bars with sleeve/ tie bars to be paid separately)./ Cement concrete manufactured in automatic batching plant (RMC plant) i/c transportation to site in transit mixer							
5	5	1050.00	MT	4147.10	4354455.00	12.00	4876989.60	
	Description:- NS-5(a) "Placement of precast reinforced cement concrete components (RCC box/U-Type/L-Type segments of retaining walls) with the help of suitable capacity road crane at desired location during traffic block of short duration with all contractor's labour, tools, material, cranes, machinery, preparation of surface including cost of filling of joints by epoxy mortar, cutting of lifting hooks by gas cutting, all lead, lift, taxes etc complete in all (Add 30% extra for higher capacity cranes as per site condition i.e 01 crane of 400 to 500 Tonne capacity and 02 cranes of 250 or above tonne capacity."/ RCC box segments requiring traffic block							
6	Lump Sum				1463097.00	AT Par	1463097.00	
	Description :- NS-5(b) Add 30% extra for higher capacity cranes as per site condition i.e 01 crane of 400 to 500 Tonne capacity and 02 cranes of 250 or above tonne capacity.							
	7	3.00	Each	82155.98	246467.94	12.00	276044.09	

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7	<p>Description:- NS-6 Removing of existing any type of track for insertion of RCC boxes, laying, linking & lifting of any type of track on newly laid RCC box on either side of LHS including cutting of rails, drilling of holes, subsequent through packing to make track fit for 75Kmph & de-stressing of LWR/CWR of any type of track and picking up of stone ballast (new or retrieved) including loading & leading of ballast from stacks. Various activities involved in this work along with their tentative scope are: (i) Removing of existing track - 39.0mtr. (ii) Removing ballast from track & keeping it away from site of work. (iii) After insertion of RCC boxes, putting back existing ballast at (ii) above and putting in track additional quantity of ballast so as to provide minimum ballast cushion of 300mm to 350mm in compacted condition. (iv) Re-laying & linking of track - 39.0mtr (v) Lifting of track in stages of 50/75mm for required length to ensure ballast cushion of 300mm to 350mm as per site conditions minimum ballast supply 50.0cum on each LHS. (vi) Cutting of any type of rails - 4 to 8 nos. (vii) Drilling of 31.75mm/26.5mm or similar dia holes in rails of any section- 16 nos (viii) Subsequent through packings to make track fit for 100Kmph-50.0mtr either side of LHS (ix) Local de-stressing of LWR/CWR 100.0m on either side of LHS. "AT welding of rail joints on any type of rail on single rail/SWP/LWR with Railway prefabricated moulds and railway portions as per IRS specifications T-19-2012 (amended up to date) Qty. and scope of work shown above at S.No. (i) to (x) are tentative only. The scope of these items may vary as per site conditions & as per direction of Engineer-in-charge for completing the work of LHS safely and successfully. The quoted rates are for complete job. Nothing extra shall be paid on any account. "</p>						
8	8	150.00	cum	663.18	99477.00	12.00	111414.24
	<p>Description:- NS-7"Manufacturing, supplying machine crushed stone track ballast conforming to Railways specifications from outside Railway land with contractors own material, crushing arrangement, tools and plants, skilled and unskilled labour, supervision or any other component of the work with or lead lift, descent, royly, taxes etc. levied by central/State/Local Govt. in complete in all respect.</p>						
9	9	150.00	MT	364.86	54729.00	12.00	61296.48
	<p>Description:- NS-8Transportation of any Railway materials (relieving girder, cross girders, etc.) & other fittings including packing, loading, unloading & stacking at nominated places with all lead, lifting from one location to another locations and back, crossing of track, royalties and taxes etc., complete with contractors own labour, vehicles, tools & plants etc. Rate shall also be inclusive construction of path way, if required./ (i) Lead up to 10 Kms.</p>						
10	10	49162.50	MT/Km	4.37	214840.13	12.00	240620.95
	<p>Description:- NS-9 Transportation of any Railway materials (relieving girder, cross girders, etc.) & other fittings including packing, loading, unloading & stacking at nominated places with all lead, lifting from one location to another locations and back, crossing of track, royalties and taxes etc., complete with contractors own labour, vehicles, tools & plants etc. Rate shall also be inclusive construction of path way, if required./ (ii) Extra lead beyond 10 Kms. for every kilometer or part thereof</p>						

3. ITEM BREAKUP

No item break up added

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

Check Lst

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

Commercial-Compliance

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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

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	Tender-Regarding construction of LHSat LC-30Ateli in RPC section of JP division-1.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: HARISH KUMAR JAIN

Designation : DYPMWorks