

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

Tender No: JP-EN-IR-CONN-2023-01

Closing Date/Time: 31/01/2023 15:00

GM/Co-ordination acting for and on behalf of The President of India invites E-Tenders against Tender No **JP-EN-IR-CONN-2023-01** Closing Date/Time 31/01/2023 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	Civil & Track work in connection with connectivity of DFCC with IR at KSGN & PMPN		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	31/01/2023 15:00	Date Time Of Uploading Tender	09/01/2023 16:53
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	104453082.26	Tendering Section	ENGG1
Bidding Style	Single Rate for Tender	Bidding Unit	Above/Below/Par
Earnest Money (Rs.)	672300.00	Validity of Offer (Days)	60
Tender Doc. Cost (Rs.)	11800.00	Period of Completion	6 Months
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	17/01/2023	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							30721991.33	
1	1	26002.66	cum	144.94	3768825.54	17.04	4411033.41	
	Description:- 11010/ Earthwork in cutting (classified) in formation, trolley refuges, side drains, level crossing approaches, platforms, catch water drains, diversion of nallah & finishing to required dimension and slopes to obtain a neat appearance to standard profile inclusive of all labour, machine & materials and removing & leading all cut spoils either to make spoil dumps beyond 10m from cutting edge or for filling in embankment with leads within 2 km on either side of cutting edge, lifts, ascent, descent, loading, unloading, all taxes / royalty, clearance of site and all incidental charges, bailing & pumping out water, if required, etc. complete as per directions of the Engineer-in-Charge. The work is to be executed as per latest / updated edition of "Guidelines for Earthwork in Railway Projects" issued by RDSO, Lucknow. 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 - (i) All usable earth arising from cut spoils shall be led into bank formation and Unusable spoils shall be dumped / stacked (ii) All hard rock /and boulders not fit for filling will be stacked by the contractor and will be property of the Railways.}							
2	2	3823.50	cum	289.84	1108203.24	17.04	1297041.07	
	Description:- 012010/ 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 property of railways and to be deposited in the railway godown unless specified otherwise in the Special conditions of contract							
3	3	11723.50	cum	312.44	3662890.34	17.04	4287046.85	
	Description:- 012020/ 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.							
	4	11723.67	cum	19.09	223804.86	17.04	261941.21	

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4									Description:- 012040/ Extra for mechanical compaction of soil in embankment with contractor's rollers of suitable capacity, type and size to achieve specified density as per specification, testing as per IS codes including cost of water, T&P, consumable 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.
5	5	5441.80	cum	1823.65	9923938.57	17.04	11614977.70		Description:- 012050/ Providing of Blanketing over finished formation as per latest RDSO specifications and procedures by supplying materials of approved quality, spreading in layers not exceeding in 30cm in thickness in loose conditions and leveling by motor grader and compacting by vibro roller of required capacity upto desired degree of compaction, finishing to correct profile with all lead and lift, complete in all respect to the satisfaction of the Engineer-in-Charge. Rate includes all labour, material, tools, plants, machinery, testing equipment, testing charges, taxes, Royalties, Octroi etc. and all other incidental charges including compaction. Note:(i) The work shall be carried out as per RDSO Guidelines and specifications for Design of Formation for Heavy Axle Load (Report No. RDSO/2007/GE: 0014 of November, 2009) for mechanically produced blanketing material for Railway Formation. (ii) The Quality Control tests as prescribed vide Para 12 & 13 of RDSO/2007/ GE:0014 shall be arranged at site by the Contractor, for which no separate payment will be made. (iii) The tenderer is requested to go through specifications of blanketing material as per GE-0014 RDSO specifications. The blanketing material is expected to be manufactured in quarry/ site with pug mill type blender from stone crushed material of required quality as per specification with the grading falling in the enveloping curve. The rate includes the CBR tests, Los Angeles Abrasion test, Impact tests, Atterberg limits, Grain size analysis, MDD and all quality tests as per specifications to be carried as per the laid down frequency on blanketing material/ compacted finished blanket surface. (iv) Measurement will be made on finished profile after compaction.
6	6	2700.00	Metre	157.85	426195.00	17.04	498818.63		Description:- 121070/121071 Provision of barricading with contractor's bamboos / balli vertical post of 75 to 100mm dia. planted at every 2m interval, projecting at least 1.5m above ground level and driven firmly (minimum 0.5m) inside ground and including painting verticals & horizontals with red luminous paints / strips at alternative bay on barricade. Barricades shall be completely removed when no longer required by engineer in-charge. @40<37@ payment shall be made on provision of barricading at work-site) With 3 horizontal bamboo / balli members of minimum 50mm dia. spaced equally
7	7	5470.85	cum	119.29	652617.70	17.04	763823.76		Description:- 81050/81051 Running out / Putting of railway's stone ballast from existing stacks available along alignment either on top of cutting or on formation or at toe of bank by head leads or by any other means and spreading to the required profile with contractor's labour, tools & plants, as directed by Engineer in-charge. {Payment shall be made based on ballast stack measurement} For lead upto 50m and lift up to 5m
8	8	5470.85	Each	33.80	184914.73	17.04	216424.20		Description:- 81052/ Extra over item no. 081051 for each additional lead of 50m or part thereof when total lead exceeds 50m, but upto 250m for each Cum.
9	9	2735.43	Track metre	36.06	98639.61	17.04	115447.80		Description:- 121120/ Compaction of ballast in layer, laid on new formation at all the locations with smooth wheeled power roller of 8-10 tonne capacity to sufficient number of passes to form consolidated ballast bed of 100mm - 150mm thickness to a width of 3.5m to 4.5m symmetrical to centre line of proposed track, to suit finished formation to correct line & level with all ascents & descents, as directed by Engineer in-charge. {Note : (1) Rate is inclusive of (a) providing ramp for taking roller to formation and removing the same & making good formation after completion of work;
10	10	137.00	Each	115.92	15881.04	17.04	18587.17		Description:- 121100/121103 Providing Centre Line / Rail Level Pegs on formation at an interval of 30 metres on one side or at centre of proposed / existing track, as directed by engineer in-charge for linking of new track / CTR / Deep Screening / Lifting / Lowering works, duly embedding in formation including marking with contractor's paint (rails & tie bar pegs of suitable size will be supplied by Railways) With contractor's hard wood pegs
11	11	2695.00	Track metre	245.95	662835.25	17.04	775782.38		Description:- 121130/121132 Linking of BG track on prepared formation to correct gauge & alignment with Railway's track materials including spreading sleepers at specified spacing, squaring, pairing & fixing rails to sleepers with all types of rail fittings & fastenings including their lubrication as per IRPWM standards. Rate is inclusive of kutchra packing to make track fit for 20 kmph speed : (NOTE: Rail cutting and Hole drilling shall be paid seperately) (b) For sleeper density of 1540 sleepers per km
12	12	5450.00	Running Metre	34.08	185736.00	17.04	217385.41		Description:- 121090/121091 Shifting & pairing of rails / panels unloaded alongside existing running track to adjoining formation including crossing of track, duly lifting & pushing rail / panel without damaging it and taking all necessary precautions, so as not to infringe the running track, as directed by Engineer in-charge. NOTE: The disturbed rail barricading should be restored to its original condition by the agency including re-fixing & concreting as required. Rail length upto 13m.
13	13	16.00	Set	25082.65	401322.40	17.04	469707.74		

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13	Description:- 131080/131083 First and second through packing of points and crossing including gauging, fittings recouplement, elimination of sag and to the required alignment as per provisions of Indian Railways Permanent Way Manual 1 in 12 PSC layout						
14	14	16.00	Set	19891.76	318268.16	17.04	372501.05
	Description:- 131090/131093 Third or subsequent through packing of points and crossing including gauging, fittings recouplement, elimination of sag and to the required alignment as per provisions of Indian Railways Permanent Way Manual - 1 in 12 PSC layout						
15	15	2685.00	Track metre	168.88	453442.80	17.04	530709.45
	Description:- 81060/81061 Lifting and packing for regrading the existing BG track to required height / level in stages not exceeding 75mm or part thereof at a time, providing permissible ramp for the track, insertion of moorum / sand / stone ballast uniformly under the existing track and placing the same to safe approved gradient, gauge, cushion including levelling and one round of through packing to allow train movement at restricted speed of 30 kmph for a specified length with all leads & lifts and fixing, marking, painting rail level posts, tiebars at every 30m interval. {Note : Lifting of track shall be done in stages as per procedure laid down in Para 233 of IRPWM to get the proposed final level as per approved working profile, as directed by engineer in-charge} - In PSC sleeper track						
16	16	1975.00	Each	25.37	50105.75	17.04	58643.77
	Description:- 81063/ Extra for additional lift over 75mm for every 50mm lift or part there of upto 275mm for item nos. 081061 and 081062 for each TM.						
17	17	8085.00	Track metre	100.02	808661.70	17.04	946457.65
	Description:- 131010/131011 Through packing of track, as described in Para-224 of Indian Railways Permanent Way Manual - For PSC sleeper Track (BG):- For Sleeper Density of 1540 Sleepers/Km or more						
18	18	16.00	Set	47447.56	759160.96	17.04	888521.99
	Description:- 071020/071022 Assembling complete BG Turnout including symmetrical split on staging or on formation / ballast bed to correct gauge and alignment as per standard drawing on all types of rails over PSC sleepers at specified locations, duly leading special size sleepers, switches, crossings, fittings, fastenings etc. with maximum lead of 250m & all lift and testing points with S&T staff for throw of switch etc. at station yard after levelling surface complete and as directed by engineer in-charge (b) 1 in 12 Turnout						
19	19	420.00	Each	3904.27	1639793.40	17.04	1919214.20
	Description:- 91090/91092 Flash Butt Welding of 90 UTS rails, conforming to IR's Manual for Flash Butt Welding of Rail, using contractor's self-propelled rail cum road / Mobile FBW Plants, tools, equipments and consumables. Item also includes painting and marking of welded joints, pre-straightening & post- straightening of panels and USFD testing of finished weld as directed by engineer in-charge for - 60 Kg on Cess						
20	20	4.17	Track Kilometre	5638.45	23512.34	17.04	27518.84
	Description:- 141020/141021 Carrying out Through USFD testing of running rails & welds (excluding flange testing) including the full head width portion of SEJ, lead portion of points & crossings of all types of rails using 0° (4 MHz) and 70° (2 MHz) central forward & backward, 70° (2 MHz) gauge face corner forward & backward and 70° (2 MHz) field forward & backward probes by NBC (Need Based Concept) method under traffic conditions as per provisions of IR's "Manual & Specifications for Ultrasonic Testing of Rails and Welds" & related instructions, duly marking defects, submission of daily reports and storing back-up data, as specified & directed. The rates are inclusive of contractor's men, materials & machines complete unless otherwise specified and as directed : With Contractor's USFD machine						
21	21	450.00	Each	204.65	92092.50	17.04	107785.06
	Description:- 141040/141041 Carrying out USFD testing of Flash Butt (FB) & Gas Pressure (GP) welds on all types of rails using 2 single crystal 45° (2 MHz) for headtesting and one single crystal 70° (2 MHz) probe for web & flange testing by NBC (Need Based Concept) method under traffic conditions as per provisions of IR's "Manual & Specifications for Ultrasonic Testing of Rails and Welds" & related instructions, duly marking the defects, submission of daily reports and storing back-up data as specified & directed. The rates are inclusive of contractor's men, aterials & machines complete unless otherwise specified and directed : With Contractor's USFD machine : Track having upto 3 rail panels						
22	22	160.00	Each	205.98	32956.80	17.04	38572.64
	Description:- 141030/141031 Carrying out USFD testing of Alumino Thermic (AT) welds on all types of rails, using 0° (2 MHz) double crystal; 70° (2 MHz) 20mm x 20mm single crystal probe for head & flange testing; 2 nos. 45° (2 MHz) single crystal with tandom rig for testing from rail top to bottom & for half moon testing and 70° (2 MHz) 20mm x 20mm side looking probe by NBC (Need Based Concept) method under traffic conditions as per provisions of IR's "Manual & Specifications for Ultrasonic Testing of Rails and Welds" & related instructions duly marking the defects, submission of daily reports and storing back-up data as specified & directed. The rates are inclusive of contractor's men, materials & machines complete unless otherwise specified and directed : Track having upto 3 rail panels						
23	23	1900.00	Track metre	83.73	159087.00	17.04	186195.42

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23	Description:- 131200/131202 De-stressing of LWR/CWR with contractor's labours, tools & equipments inclusive of all lead & lift. Activities include cutting of LWR/CWR into convenient panels of specified length, removal of ERCs, liners, greasing of ERCs and liner contact area, lifting rails and keeping them on rollers provided at every 15 sleepers, working out elongation of rail ends depending on prevailing site conditions, pulling rails with the help of Hydraulic Tensor to achieve the desired elongation, cutting rails, as required, removing rollers and placing rail in position, re- fixing ERCs & liners and adjustment of gap at SEJs : Note: (1) Welding of rail joints will be paid separately. 2. Rail cutting and Hole drilling shall be paid separately (3) Opening and closing of LC if required will be paid separately. 4. As per instructions of LWR manual & CE's Circulars for destrssing of LWR/CWR With Contractor's Hydraulic Rail tensor						
24	190.00	Each	363.35	69036.50	17.04	80800.32	
24	Description:- 161010/161011 Quick cutting with abrasive rail cutter of all types of rail sections including wear resistant, head hardened rails upto 110 UTS, with contractors tools & plants, equipment, consumable with all lead & lift etc. complete as directed by Engineer in-charge. Abrasive Rail Cutter will be as per RDSO Specification No. TM/SM/1 (Rev. 01 of 2007) with latest status of RDSO; Rail Cutting Wheel Abrasive Disc will be as per RDSO Specification No. TM/SM/2 (Rev. 01 of 2007) - Outside Track 60 Kg - 110 UTS						
25	160.00	Each	3295.10	527216.00	17.04	617053.61	
25	Description:- 91010/91011 Supply of Alumino thermic welding portions 52/60 Kg as approved by RDSO for welding of rails 52/60 kg for 25mm gap by the process of AT welding along with complete accessories confirming to the specification laid down in Indian Railway Standard specification No.IRST-19-2012 up to date correction slips with Single shot crucible fitted with Automatic Tapping Thimble Technology, 3 pieces Mould (Zircon washed) manually pressed for execution of welding of rail joint and compressed air petrol heating techniques including consumable stores complete and as directed by the engineer in charge at site. The following accessories shall be supplied.1.Alumino Thermic welding Portion @40<47@52 kg)as per IRS T-19-20122.3 piece Pre-fabricated Dry Mould @40<47@52 Kg)as per IRS T-19-20123.Luting Sand4.Ignition Match5.Single shot Crucible fitted with auto tapping thimble6. Mould shoes (1 set for 50 weld portions)The following accessories shall be supplied 10% extra by the contractor at free of cost. Single shot Crucible fitted with auto tapping thimble, Three piece pre fabricated dry moulds, Luting sand and Ignition matches. Note: Rate is inclusive of transportation of above to SSE/P.Way stores For 60 Kg Rail, 3-piece Mould and Compressed Air Petrol heating technique						

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule B-Supply of P. Way Material							73731090.93	
1	1	8312.00	Numbers	34.96	290587.52	AT Par	290587.52	
	Description:- NS/1 Supply of Liner (i) T- 8255 metal liner							
2	2	8312.00	Numbers	34.96	290587.52	AT Par	290587.52	
	Description:- NS/2 Supply of Liner (ii) T- 8254 metal liner							
3	3	16.00	Numbers	3793256.60	60692105.60	AT Par	60692105.60	
	Description:- NS/3 Supply of 1 in 12 - 460R Turnout with complete assembly i.e. fittings, stretcher bars, GRSP sets, weldable CMS crossing etc.							
4	4	16624.00	Numbers	95.44	1586594.56	AT Par	1586594.56	
	Description:- NS/4 ERC Mark V RDSO Drg T-5919							
5	5	8312.00	Numbers	60.23	500631.76	AT Par	500631.76	
	Description:- NS/5 Supply of Rubber Pad T-7010							
6	6	100.00	Pair	3676.88	367688.00	AT Par	367688.00	
	Description:- NS/6 Joggled Fish Plates 60Kg with double D hole & nut and bolt (As per RDSO Drg No. T-5849) As per RDSO specification T-1-2012.							
7	7	304.00	Pair	4847.38	1473603.52	AT Par	1473603.52	
	Description:- NS/7 Supply of One meter long fish plates 60 Kg (As per RDSO Drg No. T-5916) As per RDSO specification T-1-2012.							
8	8	2456.00	Numbers	579.13	1422343.28	AT Par	1422343.28	
	Description:- NS/8 Supply of Joggled Fish Plates clamp (As per RDSO Drg No. T-4017)							
9	9	4.00	Numbers	710215.13	2840860.52	AT Par	2840860.52	
	Description:- NS/9 Supply of Derailing switch including sleepers and all fittings							
10	10	5494.28	cum	776.46	4266088.65	AT Par	4266088.65	
	Description:- NS/10 Manufacturing, supplying machine crushed stone track ballast confirming 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, royty, taxes etc. levied by central/State/Local Govt. in complete in all respect.							

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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

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

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S.No.	Document Name	Document Description
1	Tender-IRConnectivityPMPNKSGN09.01.23.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: VISHNU KUMAR GUPTA

Designation : DYPMCivil