

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

Tender No: MUM_N_EN_RUB_VAPI

Closing Date/Time: 20/02/2023 15:00

CGM/N/MUMBAI acting for and on behalf of The President of India invites E-Tenders against Tender No **MUM_N_EN_RUB_VAPI** Closing Date/Time 20/02/2023 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 of having size 1x7.0x4.0m of approx. 25m length under DFC Portion (by Pre-cast Segmental method and cast in-situ) at VAPI ROB at IR KM 172/16-18 (DFC Chainage 13+523.289) between Vapi-Bhagwada Railway station of virar - surat Section of Mumbai Division of Western Railway		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	20/02/2023 15:00	Date Time Of Uploading Tender	28/01/2023 13:35
Pre-Bid Conference Required	Yes	Pre-Bid Conference Date Time	02/02/2023 11:00
Advertised Value	35844963.23	Tendering Section	TENDER
Bidding Style	Single Rate for Each Schedule	Bidding Unit	
Earnest Money (Rs.)	717000.00	Validity of Offer (Days)	120
Tender Doc. Cost (Rs.)	11800.00	Period of Completion	4 Months
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	06/02/2023	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-Execution of all works as per Schedule "A" (Items as per USSOR 2019 including Box erection)							15787175.02	Above/ Below/Par
1	022010	550.00	cum	264.71	145590.50	AT Par	145590.50	
	Description:- Earthwork in excavation 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 -22011 All kinds of Soil.							
2	22014	1650.00	cum	960.70	1585155.00	AT Par	1585155.00	
	Description:- Hard rock Blasting Prohibited (Note: 2 Machine mounted breaker machines to be operated at a time for completion of work with in 7 days time)							
3	12020	3850.00	cum	191.02	735427.00	AT Par	735427.00	
	Description:- Earthwork in filling in embankment, guide bunds, around buried typeabutments, 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.Types of good quality soil, as acceptable to Engineer-in-Charge.							
4	12021	3850.00	cum	47.04	181104.00	AT Par	181104.00	
	Description:- 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 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	52263	20.00	Metre	2212.52	44250.40	AT Par	44250.40	
	Description:- 600mm dia. R.C.C. pipe 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 (1cement: 2fine sand) including testing of joints etc. complete above 800mm dia.							
6	52264	20.00	Metre	2992.67	59853.40	AT Par	59853.40	
	Description:- 900mm dia. R.C.C. pipe							
	25020	570.00	Sqm	142.05	80968.50	AT Par	80968.50	

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7	Description:- Providing and applying two coats of coal tar or bitumen conforming to IS 3117 - 1965 on the top and sides of RCC box/slabs @ 1.70 Kgs / Sqm after cleaning the surface with all labour and materials complete job as directed by the Engineer						
8	52030	244.00	cum	1604.15	391412.60	AT Par	391412.60
	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 incharge in case loose slush is encountered at site of foundation before casting the foundation or before laying the filtering media						
9	52070	10000.00	Kg	257.48	2574800.00	AT Par	2574800.00
	Description:- Sealing of cracks/porous concrete by injection process through nipples/Grouting complete as per Technical Specification - 52071 Neat Cement Grout with 20 % anti shrinkage compound w.r.t. cement						
10	52290	2500.00	HP Hour	35.23	88075.00	AT Par	88075.00
	Description:- Dewatering of natural or accumulated water from any location. Payment to be done for Horse power of pump multiplied by pumping hours						
11	52350	1150.00	Sqm	382.19	439518.50	AT Par	439518.50
	Description:- Surface protection of Underside of Bridge Decks, Girders, Inside of Box Girders, Railings etc. of Bridges and Piers and Substructures which are not in River Bed by cleaning and drying the surface; repairing local defects, e.g. honeycombs with a paste of cement admixed with 5% by weight of cement of Polymer bonding agent, applying (@ 0.30 litre/sqm) a coat (DFT of 100-150 micron) of a translucent brown coloured modified phenolic resin based single component high performance polymeric waterproofing compound (sp. gr. 0.87, rosin content nil and a solid content of minimum 0.47%), applying (@ 0.25 litre/sqm) a top coat of a modified phenolic resin based single component waterproofing compound of grey or other shades (sp. gr. 0.85) before the base coat becomes tack-free; permitting the coatings to cure and dry naturally; the 2-coat system shall be impermeable under a water head of 20m, complete as per specification, providing and removing barricading with the help of portable fencing along running track where work is to be done in close vicinity of track. Fencing shall consist of self supporting steel angles of size 50mm x 50mm x 6mm, 1.5m long provided with hooks etc. and embedded in CC 1:2:4 block of size 0.23m x 0.23m x 0.23m placed at c/c distance of 2m along track. 12mm dia rods in three horizontal layers shall be tack welded with angle posts. (Note- Released material will be property of the contractor after completion of work. Cost of cement to be paid separately)						
12	13111	200.00	Metre	196.25	39250.00	AT Par	39250.00
	Description:- With provision of one 50mm wide retro-reflective tape in horizontal direction, duly secured/tight with vertical posts						
13	41210	14.00	Day	137807.58	1929306.12	AT Par	1929306.12
	Description:- Providing road crane of specified lifting capacity with specified jib length revolving type for material handling, assembly & erection of girders/slab/RCC Box etc. 41216 - 150MT Capacity						
14	41217	5600.00	MT	1337.94	7492464.00	AT Par	7492464.00
	Description:- Extra for increase in road crane capacity over Item 041216 for every additional 1 MT capacity or part there of						

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule B-Execution of all works as per Schedule B (NS items-Concrete related work)							8899745.83	Above/ Below/Par
1	NS1	108.00	cum	6691.05	722633.40	AT Par	722633.40	
	Description:- Providing & filling in foundation with ordinary cement concrete M 15 mix and providing necessary vertical pin headers including formwork vibrating ramming & curing complete							
2	NS2	305.00	cum	9218.78	2811727.90	AT Par	2811727.90	
	Description:- Providing and casting in-situ controlled cement concrete of M30 grade for RCC work for Thurst Bed Retaining wall with 20/40mm down coarse aggregate of the required size for any depth including dewatering, scaffolding centring, shuttering, mixing, placing in position, consolidating with mechanical vibrators, curing, deshuttering carefully, making good the damages, fixing embedment, inserts, pockets, wherever necessary as per specification and drawing.							
3	NS3	510.00	cum	9218.78	4701577.80	AT Par	4701577.80	
	Description:- providing and casting in situ controlled cement M35 for RCC work in RCC Box as per drawing including centering shuttering scaffolding where necessary currying vibrating curing and finishing complete.A)height from 0.0 to 7.0 m (below ground). (Note: As panel casting to be done.This rate includes 4 set of shuttering set so, that 4 panel can be casted at a time.) Note : Stage payment- i) 65% payment shall be released after casting of panel ii) Balance 35% payment shall be released after launching and final finishing of Box as certified by the Engineer.							
	NS4	53.00	cum	8475.33	449192.49	AT Par	449192.49	

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4	Description:- providing and casting in situ controlled cement M30 for RCC work in Road and Wearing coat as per drawing including centering shuttering scaffolding where necessary laying vibrating curing and finishing complete.						
5	NS5	248.00	cum	865.38	214614.24	AT Par	214614.24
	Description:- Providing & construction of selected granular layer, below box, retaining wall, wing/return wall and approach road as per technical specifications, drawings or as directed by engineer in charge.						

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule C-Steel items as per USSOR 2019							7546710.00	Above/ Below/Par
1	25072	107000.00	Kg	70.53	7546710.00	AT Par	7546710.00	
	Description:- Supplying Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. - Thermo-Mechanically Treated bars(Fe500D or more)							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule D-MISC NS Item as per WR							611332.38	Above/ Below/Par
1	NS1	300.00	Man-Days	400.88	120264.00	AT Par	120264.00	
	Description:- Protection of track and other misc work as and when required by the Engineer in Charge arranging of labours for various works such as protection of track etc. with contractor's tools and plants, equipment hand signal flags, spanners, hammers etc. complete as per specification and special conditions and detailed scope of work as furnished in the tender and as directed by Engineer in charge of the work.Note- For paying the quantities , a total of 12 hours duty of a man will be counted a man day.							
2	NS2	600.00	Sqm	497.57	298542.00	AT Par	298542.00	
	Description:- Shoring for the protection against slope failure as per site condition with sufficiently rigid frame of structural sheet i.e. with MS angles, channels, pipes, shets/battens etc. with suitable anchoring arrangements/ fixing as and when required as per instructions of Engineer in Charge.							
3	NS3	252.00	cum	403.74	101742.48	AT Par	101742.48	
	Description:- Uncoursed hand-packed DRY RUBBLE FILLING (in work like rubble filling behind abutments etc) without any special dressing of stones. Rate includes loading, unloading, T&P, Transportation, taxes etc. complete.							
4	NS4	30.22	Sqm	3004.10	90783.90	AT Par	90783.90	
	Description:- Providing SIGNAGE BOARDS of 2mm thick aluminum sheets backing and pasted with retro reflective sheeting of EG (Engineering Grade) on the background with colour, pattern & Designs as per approved drawings and with Signages cut out of retro reflectivesheeting of EG (Engineering grade) of approved pattern, design, text as per approved drawings and super imposed on the first layer. The sizes andshapes of aluminum backing will be as directed by the Railway Engineer and payment will be made for the area of aluminum backing after cutting torequired shapes and no extra payment will be made for wastages as well as reflective sheeting separately. The rate shall however exclude the costof back support mild steel frames for aluminum sheets and vertical posts which will be paid for separately (under relevant items). The cost ofexcavation. foundation concrete and filling back earth in foundations for the vertical posts will be paid separately.(under relevant items). Note- Therates are includes supplying & fixing of signage board with contractor's materials, tools & plants , loading & unloading , transport, labour ,taxes,duties , octrai, all lead and lift , crossing of track if required etc. complete.							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule E-MISC NS Item as per DFC							500000.00	Above/ Below/Par
1	NS1	1.00	Lumpsum	500000.00	500000.00	AT Par	500000.00	
	Description:- Site Office Providing, arranging, managing and maintaining 500 sq.ft. well-furnished AC office and well equipped Laboratory with 3 tables, 10 chairs, 2 steel almirah, one computer with printer & operator, sufficient number of display etc. to the satisfaction of the Project Manager including Electrical, Water expenses etc. For execution of this item the date of start shall be considered only when the Contractor has actually rented/constructed the required premises established the office & Laboratory as per requirement. This item shall remain valid only for original contract period; no additional payment shall be made for whatsoever reason even if time extension if provided or date of completion is extended. This office and laboratory including furniture and all other equipment shall be property of contractor after completion of Project.							

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Schedule F -Any USSOR items to complete the work							2500000.00	Above/ Below/Par
1	USSOR	1.00	Lumpsum	2500000.00	2500000.00	AT Par	2500000.00	
Description:- USSOR of W.Rly items requiring for successful completion of the work as advised by in-charge of the work								

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	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)

6. Documents attached with tender

S.No.	Document Name	Document Description
1	TenderDocumentforVapiRUB_28.01.2023.pdf	Tender Document
2	NITforTender.pdf	NIT for Tender
3	GAD_for_VAPI_RUB_1.pdf	Drawing
4	Sketch_of_DFC_Box.pdf	Sketch of RUB under DFC Portion

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.

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Signed By: JAGDISH VIJAY RATHOD

Designation : DYPM