

**DYCE-C-III-JP-ENGINEERING/NORTH WESTERN RLY
TENDER DOCUMENT**

Tender No: NWRSC-SWay-Civil-13641942

Closing Date/Time: 04/07/2026 13:00

DY.CE/C-III/JP acting for and on behalf of The President of India invites E-Tenders against Tender No **NWRSC-SWay-Civil-13641942** Closing Date/Time 04/07/2026 13:00 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 Subways at trespassing locations with Precasted Box Segments and launching/placement across Railway Tracks with Pulling/ Pushing/ Crane (Crawler/ Tyre mounted) in traffic block (with/ without relieving girders), as well as launching/placement of precasted approaches, providing of Approach covering, waterproofing, pumping system, Solar, lighting etc suitable for passage of pedestrian at 16 locations between Jaipur- Rewari Section and Sections adjoining Jaipur area in Jaipur Division of North Western Railway.		
Bidding type	Normal Tender		
Tender Type	Special Limited	Bidding System	Single Packet System
Tender Closing Date Time	04/07/2026 13:00	Date Time Of Uploading Tender	19/06/2026 19:31
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	368795692.87	Tendering Section	DYCECIIIJP
Bidding Style	Single Rate for Tender	Bidding Unit	Above/Below/Par
Earnest Money (Rs.)	7375900.00	Validity of Offer (Days)	60
Tender Doc. Cost (Rs.)	0.00	Period of Completion	10 Months
Contract Type	Works - General	Contract Category	Expenditure
Bidding Start Date	20/06/2026		
Are JV allowed to bid	No	Number of JV Member Allowed	0
Are Consortium allowed to bid	No	Number of Consortium Member Allowed	0
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-dsr							166795392.35	
1	Please see Item Breakup for details.				158144868.07	5.47	166795392.35	
	Description:- Schedule-A DSR-2023							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () B-Schedule-B USSOR-2021							101320260.52	
2	Please see Item Breakup for details.				124182204.34	(-) 18.41	101320260.52	
	Description:- Schedule-B USSOR-2021							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () C-Non Schedule items							100230902.00	
	NS1	6592.00	Sqm	1796.00	11839232.00	AT Par	11839232.00	

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1	Description:- Waterproofing of below Raft / Grade slab / Base slab: Providing and applying a fully bonded, pre-applied, thermoplastic polyolefin (ref to IS 16471:-2017 requirements of UG waterproofing structures, requirements to provide Type A of IS 16471:2017 & BS 8102: 2009 fully bonded protection of UG waterproofing structures, protection of below ground structures against water from the ground of table 3, CE marked in accordance with EN 13967) based composite sheet membrane waterproofing system min thickness 1.0 mm and bare membrane thickness min. 0.8 mm for underground structures. The membrane should have strong chemical and physical bonding property between hybrid cementitious bonding layer and fresh concrete in underground structures to prevent lateral water migration between membrane and the structural concrete of underground structure. Chemical base of membrane: a) Membrane layer- Thermoplastic polyolefin (TPO) , The overlaps of min. 80 mm width shall be thermally jointed with self propelled hot air welding machine as per suppliers recommendations. Flexible polyolefin membrane, 0.8 mm thick, fully bonded to the structural concrete. The membrane must have i. Tensile strength 8-9 mpa according to ASTM D412, ii. elongation 600% according to ASTM D412, iii. impact resistance 400 mm according to EN 12691, iv. joint shear resistance 100 N/50mm according to EN 12317-2; v. resistance to lateral water migration of 70 m according to ASTM D 5385 mod, vi. should pass durability tests of water tightness against ageing and chemicals according to EN 1928B, vii. Peel adhesion to concrete 1200 N/m as per ASTM D903, lap peel adhesion 1000 N/m as per ASTM D1876, viii Foldability at low temperatures and shall show no cracking at -29 deg cel As per ASTM D1970, x. Membrane shall be laid below the RCC and continued over the side of raft, vertical portion of retaining wall.						
2	NS2	2400.00	RM	1306.00	3134400.00	AT Par	3134400.00
	Description:- Construction joint Treatment : Supply & installation of swellable, acrylic profile, rectangular 20 x 10mm according to the following standards: Providing and applying rectangular 20 x 10 mm acrylic swellable sealing profile (Bentonite free) using polyurethane based hydrophilic swelling adhesive on construction joints. The swellable profile should have MPA NRW: German approval for construction joints and meets WISSBAU: Function test for application in construction joints, must produce swelling pressure 16 bar after 3 days stored in tap water and swelling capacity of 100 % in demineralised water after 3 days and 200 % in demineralised water after 14 days. The polyurethane hydrophilic sealant must have low swelling capacity of < 25 % in 1 day in tap water and < 100 % in 7 days in tap water according to EN 14406. The swellable system must have a BBA certificate for durability and resistance to water pressure. Both swellable waterstop and sealant must be supplied by same manufacturer. The supplier must have their own manufacturing facility, should not be private label product or sourced from third party. The manufacturer must be an ISO 9001 & 14001 certified and valid certificates must be produced as proof. Product requirements: Density: 1.33 kg/ltr; change of volume < 25% (exposed 1 day to tap water) and > 100% (exposed 7 days to tap water); shore A hardness (exposed 7 days to tap water) > 10.						
3	NS3	2400.00	RM	707.00	1696800.00	AT Par	1696800.00
	Description:- Joint treatment: Epoxy adhesive base layer: Providing and applying 50mm wide epoxy adhesive, a solvent free, moisture tolerant, 2 part thixotropic epoxy adhesive for FPO tape system on both sides of the joint. The epoxy adhesive must be capable of bonding with concrete and metal. The compressive strength must be 45 N/mm2 in 1 day according to ASTM C 579 and bond strength of > 1.5 N/mm2 according to ISO 4624 for both concrete and metal substrates. The consumption of adhesive for base coat must not be less than 0.7 kg/rm.						
4	NS4	2400.00	RM	707.00	1696800.00	AT Par	1696800.00
	Description:- Description: Epoxy adhesive top layer Providing and applying adhesive a solvent free, moisture tolerant, 2 part thixotropic epoxy adhesive on top of FPO tape from both sides with an overlap of minimum 10mm from both the sides of the joint. The epoxy adhesive must be capable of bonding with concrete and metal. The compressive strength must be 45 N/mm2 in 1 day according to ASTM C 579 and bond strength of > 1.5 N/mm2 according to ISO 4624 for both concrete and metal substrates. The consumption of adhesive for top coat must not be less than 0.7 kg/rm.						
5	NS5	2400.00	Sqm	381.00	914400.00	AT Par	914400.00
	Description:- Membrane protection in Vertical Wall: Supply and apply a HDPE drainage and protection board as per approved make list on base of premium grade high density polyethylene (HDPE) with dimples 8mm with the help of double side tape. The drain protection board should have high drainage capacity, High mechanical resistance, Resistant to root penetration, Resistant to all natural aggressive mediums in ground water and soil, Suitable for contact with soft water (aggressive to concrete), Can be installed on damp and wet substrates The backfilling shall be done within 2-3 days of fixing drainage boards. All systems to be installed as per manufacturers recommendation etc., complete with all lead and lift for all materials and labour and as directed by Engineer in charge.						
	Please see Item Breakup for details.				8359200.00	AT Par	8359200.00

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6	Description:- Waterproofing joint tape for expansion joint: Providing and applying FPO tape 2mm with desired width, a modified plasticizer free flexible FPO based drinking water compatible, root resistant membrane with advanced adhesion. The tape system must be capable of Water Tightness Pass (Method B, 24 hours / 60 kPa) as per EN 12928; tensile strength > 12 N/mm2 according to EN 12311-2; tear strength > 28 N/mm according to EN 12310-2; elongation > 650 % according to EN 12311-2; seam strength > 300 N/5cm according to EN 12317-2; chemically resistant to several chemicals; passes low temperature foldability at -40°C according to EN 495-5; passes artificial weathering 7500 hrs according to EN ISO 4892-2. The tape must be capable of servicing a wide range of temperature of -40 °C to +60 °C. The tape system must have drinking water approvals from WRAS and KTW. The tape, adhesive and repair mortar must be provided by same manufacturer for full compatibility. The supplier must have their own manufacturing facility, should not be private label product sourced from third party. The manufacturer must be an ISO 9001 & 14001 certified and valid certificates must be produced as proof.						
7	NS7	1920.00	Sqm	1929.00	3703680.00	AT Par	3703680.00
	Description:- Supplying and fixing Galvanised Steel / Galvalume self supporting sheet in roofing made from Mild steel having thickness minimum 0.80 BMT (Base Metal Thickness) having coating of Zinc /Aluminium + Zinc including cutting to size and shape including fixing. The rates shall include all cost of materials, taxes, labour, tools, plants, fixture etc. complete and fixing as per direction of Engineer In Charge at site Note:- (1) Contractor will have to submit the design of the roofing duly proof checked from Govt. Engg College / IIT / NIT for approval of the Railway. Roofing shall be provided only after getting it approved from the Railway. (2) In design, CBE, NWR drawing No. CBE-1017/RUB/2018/Roof Covering/R1 and CBE-1017/RUB/2018/Roof Covering/Sheet No. 1 may be refer for guidance purpose.						
8	NS8	1600.00	RM	3347.00	5355200.00	AT Par	5355200.00
	Description:- Description : Metal beam Crash Barrier -Double W Single side: - Providing and erecting "W" metal beam 02 Nos barrier comprising of 2 mm thick corrugated sheet metal beam rail on 1.50m high channel post (150x75x4mm) above ground level and ground level, centre, all steel parts, all 1.20m below spaced at 2m centre to fittings and confirm to IS fixed on the will be carried fitments to be galvanized by hot dip process 4759, metal beam rail to be vertical post complete. Work out as per Railway approved drawing and as per specification and special condition of contract attached here with. The post should be placed below G.L. by Driven- mechanism or auger mechanism. as- directed Engineer in- charge as per site conditions. The concrete and shuttering as and when required will be paid under the relevant items. Note: The. item rate includes with materials, labours, lead, lift, loading, unloading, Tools and plants, all taxes, site cleaning, bush cutting, preparation of approach path, manual carting of materials due to unavoidable site requirement, etc with contractors own materials and labours necessary for doing all the work involved in constructing the metal beam railing barrier complete in place in all respects as per the Specifications. Work will be carried out as per direction and instruction of Engineer in charge of work/ Engineer representative. (No any extra payment shall be paid by Railway).						
9	Please see Item Breakup for details.			12964750.00	AT Par	12964750.00	
	Description:- 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 respect.						
10	NS10	1133.00	MT	29800.00	33763400.00	AT Par	33763400.00
	Description:- Launching, handling and placement of precast jointless RCC box (single jointless box under track) with all related junction box, slabs, approach segments, lifting arrangement etc. as directed by Engineer-in-charge at fixed locations (decided by Engineer-in-charge) using crawler crane (TPI certified by competent authority) of suitable capacity along with arrangement of equivalent capacity standby crane, complete in all respects. The work shall include providing all crane labour, supervisors, operators, riggers, tools & plants, cranes, machinery, lifting tackles, slings (of required capacity and tested by TPI), wire ropes, D-shackles, lifting frames, consumables and all accessories necessary for safe lifting, shifting, handling, launching and accurate placement of RCC components to the required line, level and position. The rate includes: i-Mobilization and demobilization of cranes and associated equipment. ii-Preparation and strengthening of crane standing area, working platform and access/approach roads. iii-Loading, unloading, stacking, positioning, all leads and lifts. iv-Trial lifting, balancing, alignment, final adjustment and setting of segments. v-Cutting/removal of lifting hooks, lugs and temporary fixtures after placement by gas cutting. vi-Disposal of released steel pieces, debris and unserviceable materials. vii-Compliance with Railway safety rules, specifications and instructions of the Engineer-in-Charge. The rate shall be inclusive of all labour, materials, fuel, lubricants, consumables, temporary works, taxes, insurance, contractor's overheads and profit, and all incidental charges required for completion of the work in accordance with approved drawings, Railway specifications and directions of the Engineer-in-Charge. No additional charges will be paid by Railways.						
	NS11	16.00	Job	53994.00	863904.00	AT Par	863904.00

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11	Description:- 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 & distressing 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 NS5 12 Job 66724.79 At Par 800697.48 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 supplying& putting in track additional quantity of ballast so as to provide minimum ballast cushion of 300mm to 350mm in compacted condition. (iv) Relaying & 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 packing to make track fit for 75Kmph50.0mtr either side of LHS (ix) Local de-stressing of LWR/CWR 100.0m on either side of LHS. (x) 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 T19-2012 (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-incharge for completing the work of LHS safely and successfully. The quoted rates are for complete job. Nothing extra shall be paid on any account.							
12	NS12	136.00	cum	102651.00	13960536.00	AT Par	13960536.00	
	Description:- Casting special grade UHPFRC - Ultra High performance fibre reinforced concrete of M150 grade in controlled environment by executing casting work in factory shed with air ventilation and by providing Ice Flake Production plant with concrete Mixer capacity of 8/12 m3 to maintain the homogeneity along the concrete required for shape of segment /UHPFRC slabs as per approved drawings and as per guidelines of specified length for span at Precast casting yard along with the provision of steam curing, casting machineries such as casting mould, survey software/ Instrument, Overhead gantries, ancillary civil work such as gantry Track , Stacking bed to stack 240 segments, curing water tank, survey tower, Reinforcement Jig, Overhead gantry of required capacity 50 MT of 20m-25m span, Overhead gantry of 7.5-10 MT of 25m span, Diesel genset of 500 KVA/HT connection , Welding machines, steel cutting, bending Machines, Concrete Pump/ Boom Placer, Concrete bucket along with fork lifters for bucket handling etc and stacking yard, coating of finished slabs with putty, primer, colour to complete the entire casting of RCC Boxes/slabs/U/L Type including all materials, tools, plants, machinery, lead and lift, design charges and as directed by the engineer in charge. (Precast RCC box/U/L type segments).							
13	NS13	1300.00	Sqm	1522.00	1978600.00	AT Par	1978600.00	
	Description:- "Providing, designing & art work of Rajasthani paintings, Kishangarh paintings/Jaipur heritage painting of various size using of synthetic paint of different colours on wall of with contractors's own tools & plants, labour & material with all lead & lift etc. complete job as per step given below. (1) Providing base by scraping of existing surface, finishing with putty, applying of synthetic primer & paints complete on wall. (2) Providing art work/painting with synthetic plastic paints of different colour, borders on provided painting complete with all respect including protecting coat."							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () D-Sch-D NS Item Electrical Section							449138.00	
1	NS1	1.00	Numbers	63061.00	63061.00	AT Par	63061.00	
	Description:- Supply, Installation, Testing and Commissioning of Intelligent tank level monitoring instrument capable monitoring continuous water level, DC Powered, having 4-20mA communicable outputs for IFD hardware to connect to cloud computing based with Tier III level secured data Centre along with necessary sensor cables, mounting arrangement with of all accessories, etc. as per site requirements.							
2	NS2	1.00	Numbers	141075.00	141075.00	AT Par	141075.00	
	Description:- Supply of Intelligent Field Device (IFD) having Processor, AC / DC powered as per site availability Energy Metering, LCD Display, Analog and Digital Inputs /Outputs Sensor Monitoring provision for battery inside, mounting arrangement with monitoring and control of pump capability etc., with accessories (Make).							
3	NS3	1.00	Numbers	62900.00	62900.00	AT Par	62900.00	
	Description:- Supply, Fixing, Testing and Commissioning of 2 kVA UPS with 150 AH 2 Nos Tubuler Battery							
4	NS4	50.00	Metre	125.00	6250.00	AT Par	6250.00	
	Description:- Supply, Installation, Testing and Commissioning of Sensor Wire 1 Sqmm 3 Core Copper Shielded .							
5	NS5	1.00	Set	26125.00	26125.00	AT Par	26125.00	
	Description:- Supply, Installation, Testing and commissioning of Sheet Metal Canopy for IFD Unit.							
	NS6	1.00	Per Unit	16459.00	16459.00	AT Par	16459.00	

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6	Description:- Annual Subscription - Cloud Software server - data storage and 24 X 7 TIER III Hosted Data Center Management, SIM Charges, SMS based Alerts and Control, Daily Automated Reports and Unlimited Department Access Etc. (Unit-Service)						
	NS7	1.00	Job	47025.00	47025.00	AT Par	47025.00
7	Description:- Remote site Technical Support Services, Remote Site Annual Maintenance & technical support. Onsite breakdown and preventive maintenance. Repair and / or replacement of electronics parts. Check proper functioning for all electronics. Check GPRS SIM signal strength. Check Sensor for level calibration. General cleaning works, repaint etc. (Unit-Service)						
	NS8	50.00	Metre	107.00	5350.00	AT Par	5350.00
8	Description:- Supply & laying of HDPE pipe 50mm dia wall thickness 3mm under the road/PF/in ground or as per site requirement. The work involves digging of earth & laying of HDPE pipe. As per specification.						
	NS9	50.00	Metre	20.00	1000.00	AT Par	1000.00
9	Description:- "Laying, testing, commissioning & transportation of LT cable in Air/Pole/Pipe/wall/cable tray etc. with complete lugs/glands and transportation of cable etc. Note- Cable will be supplied by Rly. from main depot. As per specification."						
	NS10	4.00	Numbers	1301.00	5204.00	AT Par	5204.00
10	Description:- "Supply of material and providing of earth electrode for earthing by using medium grade, 50 mm GI pipe electrode 3mtr. long, 7/4mm dia galvanized steel stranded wire including connections from earth pipe to pole. As per specification"						
	NS11	1.00	Numbers	8415.00	8415.00	AT Par	8415.00
11	Description:- Supply,Fixing Testing and Commssioning of astronimical timer multifunctional digital as per Specification.						
	NS12	4.00	Numbers	437.00	1748.00	AT Par	1748.00
12	Description:- Supply of material and wiring of LP/FP/Ex.Fan point with 1.5sqmm PVC single core multi-stranded copper wire insulated concealed in stone/brick masonry wall in 19/20 mm PVC conduit with 1.5sqmm PVC wire insulated copper for earth wire 1-way/2-way switch 5/6A as required and 3-terminal ceiling rose including connection (with modular switch & celing rose). As per specification.						
	NS13	2.00	Numbers	229.00	458.00	AT Par	458.00
13	Description:- Supply and fixing 6/10A plug, modular type 3-pin, 230V including modular switch and with modular board and wiring with 2.5sqmm PVC CU cable. As per specification.						
	NS14	20.00	Metre	65.00	1300.00	AT Par	1300.00
14	Description:- Wiring of sub-main with 2 x 2.5sqmm PVC insulated, single core, multi-stranded copper wire in PVC conduit concealed and 2.5sqmm PVC insulated, single core, multi-stranded copper wire for earth wire. As per specification.						
	NS15	160.00	Metre	113.00	18080.00	AT Par	18080.00
15	Description:- Wiring of sub-main with 2 x 4.0sqmm PVC insulated, single core, multi-stranded copper wire in PVC conduit concealed and 4.0sqmm PVC insulated, single core, multi-stranded copper wire for earth wire. As per specification.						
	NS16	1.00	Numbers	386.00	386.00	AT Par	386.00
16	Description:- Supply and fixing 8-module modular switch board plate for fixing of modular switches -plug socket with GI sheet metal box of good quality for concealed fixing. As per specification.						
	NS17	20.00	Numbers	78.00	1560.00	AT Par	1560.00
17	Description:- Fixing of ceiling fan/LED fitting and connection. As per specification.						
	NS18	1.00	Numbers	415.00	415.00	AT Par	415.00
18	Description:- Supply and fixing of ceiling fan regulator electronic type 5-step. As per specification.						
	NS19	1.00	Numbers	6015.00	6015.00	AT Par	6015.00
19	Description:- Supply, installation, testing and commissioning of SPN DB 12 Way with suitable IP protection having 1 No. RCBO 40 A Cap., sensitivity 30 mA in the incoming and in outgoing 06Nos. 10-32 Amp. SP MCB, 10 kA, 'C' curve, 10KA as required with bus bar, neutral bar and necessary wire sets. As per specification.						
	NS20	16.00	Numbers	1335.00	21360.00	AT Par	21360.00
20	Description:- Supply,and commissioning of LED flood light 40W LED complete as per or as per reference list						
	NS21	16.00	Numbers	147.00	2352.00	AT Par	2352.00
21	Description:- Wiring of shed LP/TP in covered shed with 1.5sqmm.copper wire PVC insulated & multi-stranded in PVC conduit, ISI mark 1.5mm thick, size 19/20mm dia and 1.5sqmm PVC insulated multi stranded copper earth wire with ceiling rose fixed with saddles or tied properly and junction box as per spec						
	NS22	40.00	Metre	129.00	5160.00	AT Par	5160.00

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22	Description:- "Excavation & refilling of trench size 0.5m wide x 1.2 m deep as per specification. Trench work may be on kuchha/pucca land and all type of soil as per site requirement and without protective layer of bricks. Surface of trench shall be made good in all respect and upto satisfaction of site engineer. As per specification."						
23	NS23	1.00	Numbers	5266.00	5266.00	AT Par	5266.00
	Description:- Feedar Pillar :Supply, testing and commissioning of busbar chamber 200 A 3 phase and neutral with box. As per specification						
24	NS24	1.00	Numbers	2174.00	2174.00	AT Par	2174.00
	Description:- SITC of Exhaust fan 300mm sweep 1440 RPM and as per specification.						

3. ITEM BREAKUP

Schedule		Schedule A-dsr					
Item- 1		Schedule-A DSR-2023					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount	
	2.0	EARTH WORK					
	2.15	General					
	2.6	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and for all lift, as directed by Engineer-in-charge.					
1	2.6.1	All kinds of soil	cum	190.08	177.5	33739.2	
2	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lift.	cum	180	196	35280	
3	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	cum	18	2123.75	38227.5	
	4.0	CONCRETE WORK					
	4.15	CEMENT CONCRETE (CAST IN SITU)					
	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
4	4.1.2	1:1 1/2:3 (1 Cement: 1 1/2 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	80	8340.85	667268	
5	4.1.5	1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	31.68	7294.7	231096.1	
	5.0	REINFORCEMENT CEMENT CONCRETE					
	5.15	CAST IN SITU					
6	5.4	Providing and laying reinforced cement concrete in kerbs, steps and the like at or near ground level excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources :3 graded stone aggregate 20 mm nominal size derived from natural sources).	cum	16	8821.65	141146.4	
	5.9S	FORM WORK					
	5.9	Centering and shuttering including strutting, propping etc. and removal of form for					

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7	5.9.5	Lintels, beams, plinth beams, girders, bressummers and cantilevers	Sqm	52.8	736.4	38881.92
	5.22S	STEEL REINFORCEMENT				
	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
8	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	3040	107.85	327864
	5.33S	DESIGN MIX CONCRETE				
	5.33	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge, for the following grades of concrete.:				
	5.33.2	All works above plinth level upto floor V level				
9	5.33.2.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	27.14	9860.4	267611.26
10	5.35	Add for using extra cement in the items of design mix over and above the specified cement content therein.	Quintal	653	733.5	478975.5
	6.0	MASONRY WORK				
	6.1S	General				
	6.4	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 :				
11	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	121.44	9105.95	1105826.57
	7.0	STONE WORK				
	7.1S	RANDOM RUBBLE MASONRY				
	7.1	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with :				
12	7.1.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	15.84	7311.25	115810.2
	7.24S	MISCELLANEOUS STONE WORK				
	7.33	Providing and fixing stone jali 40 mm thick throughout in cement mortar 1:3 (1 cement : 3 coarse sand), including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment, matching the stone shade, jali slab without any chamfers etc.				
13	7.33.1	Red sand stone	Sqm	2105.6	14931.55	31439871.68
	8.0	CLADDING WORK				
	8.20S	STONE WORK DRY CLADDING				

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14	8.32	Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building, for all heights and all levels etc. including:(a) Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design.(b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4 mm thick aluminium composite panel material consisting of 3 mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5 mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF /Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc.(c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium items. The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete , as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminium Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places.	Sqm	1024	5015.05	5135411.2
	9.0	WOOD AND P.V.C. WORK				
	9.1S	FRAMES AND TRUSSES				

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	9.21	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				
15	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	40.32	2392.65	96471.65
	10.0	STEEL WORK				
	10.1S	General				
16	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	32000	133.7	4278400
	10.16	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.				
17	10.16.3	Electric resistance or induction butt welded tubes	Kg	32000	194.4	6220800
	11.0	FLOORING				
	11.26S	KOTA STONE FLOORING				
	11.26	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :				
18	11.26.1	25 mm thick	Sqm	120	1948.25	233790
	13.0	FINISHING				
	13.1S	CEMENT PLASTER (IN FINE SAND)				
	13.1	12 mm cement plaster of mix :				
19	13.1.2	1:6 (1 cement: 6 fine sand)	Sqm	528	333.35	176008.8
	13.2	15 mm cement plaster on the rough side of single or half brick wall of mix :				
20	13.2.2	1:6 (1 cement: 6 fine sand)	Sqm	686.59	383	262963.97
	13.37S	INTERIOR FINISHING				
	13.41	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer and of required shade and colour all complete to achieve even shade and colour :				
21	13.41.1	New work (two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram/litre	Sqm	686.59	185.65	127465.43
	13.44S	EXTERIOR FINISHING				
	13.52	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete.				
22	13.52.2	On concrete work	Sqm	9600	235.15	2257440
	13.62	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				

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23	13.62.1	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	Sqm	4800	226.25	1086000
	16.0	ROAD WORK				
	16.1S	ROADS				
24	16.1	Preparation 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 earth with lead upto 50 metres.	Sqm	64000	218.9	14009600
25	16.4	Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road/vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density .	cum	16000	1046.95	16751200
	16.42S	CONCRETE PAVEMENTS				
26	16.42	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation finishing and tamping complete.	cum	1920	7993.8	15348096
	16.43	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 and 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 and 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).				
27	16.43.1	Cement concrete prepared with batch mixing machine	cum	1920	10529.35	20216352
	16.49S	MISCELLANEOUS				
28	16.68	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	Sqm	200	972	194400

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	16.91	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge.				
29	16.91.2	80 mm thick C.C. paver block of M-30 grade with approved color design and pattern.	Sqm	800	1091.5	873200
	19.0	DRAINAGE				
	19.1S	STONE WARE PIPES AND FITTINGS				
	19.6	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :				
30	19.6.5	450 mm dia. R.C.C. pipe	Metre	400	1620.95	648380
31	19.6.7	600 mm dia. R.C.C. pipe	Metre	400	2243.4	897360
	21.0	ALUMINIUM WORK				
	21.1S	General				
	21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, panelling and dash fasteners to be paid for separately) :				
	21.1.1	For fixed portion				
32	21.1.1.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	Kg	295.68	530.9	156976.51
	21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
33	21.1.2.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	Kg	295.68	634.45	187594.18
	22.0	WATER PROOFING				
	22.1S	General				

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34	22.22	Providing and mixing integral crystalline admixture for water proofing treatment to RCC structures like basement raft, retaining walls, reservoir, sewage & water treatment plant, tunnels / subway and bridge deck etc. at the time of transporting of concrete into the drum of the ready-mix truck ,using integral crystalline admixture @0.80% (minimum) to the weight of cement content per cubic meter of concrete) or higher as recommended by the manufacturer's specification in reinforced cement concrete at site of work. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e. by reducing permeability of concrete by more than 90%, compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure. The crystalline admixture shall be capable of self-healing of cracks up to a width of 0.50 mm. The work shall be carried out all complete as per specification and the direction of the Engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage.	Kg	30000	388	11640000
	23.0	RAIN WATER HARVESTING & TUBEWELLS				
	23.1S	General				
	23.1	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge, upto 90 metre depth below ground level.				
	23.1.1	All types of soil				
35	23.1.1.1	300 mm dia	Metre	2880	707.75	2038320
	23.2	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer -in-charge, beyond 90 metre & upto 150 metre depth below ground level.				
	23.2.1	All types of soil				
36	23.2.1.1	300 mm dia	Metre	2880	825.7	2378016
37	23.8	Gravel packing in tubewell construction in accordance with IS: 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineer-in-charge.	cum	320	2024.5	647840

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	23.10	Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 mild steel screwed and socketed/plain ended casing pipes of required dia, conforming to IS: 4270, of reputed & approved make, including painted with outside surface with two coats of anticorrosive paint of approved brand and manufacture, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer-in-charge.				
38	23.10.3	200 mm nominal size dia having minimum wall thickness 5.40 mm	Metre	5760	2442.75	14070240
	23.11	Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 plain slotted (having slot of size 1.6/3.2 mm) mild steel threaded and socketed/ plain bevel ended pipe (type A) of required dia, conforming to IS: 8110, of reputed and approved make, having wall thickness not less than 5.40 mm, including painted with outside surface with two coats of anticorrosive bitumastic paint of approved brand and manufacture, including hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer -in-charge.				
39	23.11.3	200 mm nominal size dia	Metre	1280	2571.05	3290944
					Total	158144868.07
Schedule	Schedule B-Schedule-B USSOR-2021					
Item- 2	Schedule-B USSOR-2021					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
		Earthwork in cutting 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, materials, plant & machinery, leading all cut spoils either to make spoil dumps or for filling in embankment with leads within 2 km on either side of edge of the cutting(s) including all lifts, ascent, descent, loading, unloading, bailing & pumping out water, if required, clearance of site and all other works incidental thereto for completing the work as per RDSO Specification No. RDSO/2020/GE: IRS-0004 with latest updated correction slips and to the satisfaction of the Engineer-in-Charge. Note: (i) All usable earth arising from cut spoils shall be led into bank formation and Unusable spoils shall be dumped / stacked away from toe of embankment. (ii) All hard rock /and boulders not fit for filling will be stacked by the contractor and will be property of the Railways. (iii)Cut trees shall be property of Railways and to be deposited in the railway godown unless specified otherwise in the Conditions of Contract.				
1	012011	In all conditions and classifications of soil except rock	cum	12960.00	107.39	1391774.40

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		Provision of barricading with contractor's bamboos / ballies vertical post of 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 maintained through out the execution of the work and shall be removed in workman like manner on completion of the work only after instruction of Engineer in-Charge. Note: (1) 60% payment shall be made on provision of barricading at work-site and balance 40% payment after removal of barricades. (2) The released bamboos / ballies shall be the property of the Contractor.				
2	013051	With 3 horizontal bamboo / balli members of minimum 50mm dia. spaced equally	RM	1600.00	154.89	247824.00
3	013052	Joining with strong nylon rope in one cross and one horizontal pattern of minimum 5mm dia.	RM	1600.00	97.13	155408.00
4	013080	Shoring with 'Z' section MS sheet piles side by side in all kinds of soil mechanically or manually as per approved drawing with contractor's own arrangement complete in all respects and removal of sheet piles after completion of the work as directed by engineer in-charge Note: Payment will be made as per actual driven length of pile.	Sqm	4000.00	1056.13	4224520.00
5	021110	Taking out 100mm dia. & 450mm long undisturbed samples of soil from bore holes, including provision of air tight containers for packing and, labeling incl. transporting the samples to laboratory. Piston sampler shall be used for extracting undisturbed samples where necessary. Samples shall be collected as per IS:2720.	Each	80.00	152.52	12201.60
		Conducting laboratory Tests on collected soil samples as per relevant IS code				
6	021151	Moisture Content/Dry Density	Each	32.00	287.66	9205.12
7	021152	Atterberg Limits	Each	32.00	586.02	18752.64
8	021153	Specific Gravity	Each	32.00	631.51	20208.32
9	021154	Grain size analysis including Hydrometer analysis	Each	32.00	727.84	23290.88
10	021155	Direct Shear Test	Each	32.00	2330.69	74582.08
11	021156	Natural Density	Each	32.00	674.32	21578.24
12	021157	Consolidation Test	Each	32.00	6886.37	220363.84
13	021158	Unconfined Compression Test	Each	32.00	2006.91	64221.12
14	021159	Tri-axial Test	Each	32.00	2158.09	69058.88

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		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 up to 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.				
15	022011	All kinds of soils	cum	6400.00	210.90	1349760.00
16	022012	Soft rock (not requiring blasting)	cum	160.00	439.13	70260.80
		Providing and laying in position machine batched, machine mixed and machine vibrated Cement Concrete of specified grade as per approved Design Mix (mixed in Mobile Concrete Batching/Mixing Plant at site or RMC from approved plants) using 20mm graded crushed stone aggregate and coarse sand of approved quality for the following Reinforced cement concrete structural elements up to height of 9.0 m from foundation top level, including finishing, using Plasticiser in approved proportions (as per IS:9103), to modify workability without impairing strength and durability complete as per specifications and direction of the Engineer in charge. Note: 1. Payment for cement, reinforcement and shuttering shall be made extra under relevant item. 2. Plasticiser shall invariably be used in approved proportion to increase workability with minimum possible quantity of cement for all grade of Design Mix Concrete unless it is specifically approved citing reasons for not using plasticiser at the stage of Mix Design and in that case deduction shall be made as per relevant item.				
17	022052	Wing wall and Return wall	cum	1120.00	2999.09	3358980.80
		Dry/Wet Sinking of Circular Wells (Other than pneumatic method) in all types of strata except hard rock requiring blasting including bailing and pumping out water, removal of excavated soil with all labour and material required for sinking as per drawing and direction of the Engineer in charge, disposal of surplus soil in the adjoining bank/embankment.				
18	023041	From initial level of cutting edge & up to 3m depth	cum	800.00	179.45	143560.00
19	023042	Above 3m to 10m depth	cum	800.00	289.99	231992.00

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20	024010	Providing and casting machine batched, machine mixed and machine vibrated Cement Concrete of specified grade as per approved Design Mix, mixed in Mobile Concrete Batching/Mixing Plant at site or RMC from approved plants, (Cast in-Situ/Pre-cast) in bottom/top slab, side walls, toe wall and sumps haunch filling head walls, thrust bed or any other component using 20mm graded crushed stone aggregate and coarse sand of approved quality of RCC box of any size including finishing, Plasticiser in approved proportions (as per IS:9103), to modify workability without impairing strength and durability, complete as per drawings and technical specifications as directed by Engineer in charge. Note: 1. Payment for cement, reinforcement and shuttering shall be made extra under relevant item. 2. Plasticiser shall invariably be used in approved proportion to increase workability with minimum possible quantity of cement for all grade of Design Mix Concrete unless it is specifically approved citing reasons at the stage of Mix Design and in that case deduction shall be made as per relevant item.	cum	1800.00	3211.55	5780790.00
21	025020	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.	Sqm	10000.00	178.84	1788400.00
		Centering and shuttering including strutting, propping etc. and removal of form for :				
22	025031	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. up to 5m above ground level	Sqm	12000.00	715.17	8582040.00
		Supply and using Cement at Worksite				
23	025071	Ordinary Portland Cement 43 grade approved brands/makes	MT	1300.00	7801.51	10141963.00
24	025072	Ordinary Portland Cement 53 grade of approved brands/makes	MT	50.00	7968.76	398438.00
25	025073	Pozzolana Portland Cement approved brands/makes	MT	10.00	7294.44	72944.40
		Supply of steel reinforcement of approved brands/makes for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
26	025082	Thermo-Mechanically Treated bars of grade Fe-500D or more of approved brands/makes.	Kg	525600.00	107.01	56244456.00

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27	031120	Casting and installation of single/twin RCC box of all sizes with or without common web section including design of pushing scheme, thrust bed, casting of all RCC components, with specified grade of controlled concrete, pushing it in correct position and alignment below Railway track/Road following all measures of track safety by 'Box pushing technique" as per approved drawings/scheme, with or without surcharge in all types of soils with disposal of surplus earth away from vent up to 1 Km, fixing arrangement for all services & utilities including parapet walls on both sides, wearing course, foot paths, plaques, drainage arrangements etc. and all other incidental works to complete the ROB/RUB/Canal crossing in all respect as per specifications to the satisfaction of Engineer-in-Charge. Note: 1. The rate includes all items of work/supplies for complete job in all respects except "cost of Reinforced cement concrete, cement, reinforcement & shuttering" of (i) main RCC Box; (ii) Thrust Bed; (iii) Footpath (iv) Parapet wall and (v) wearing Course only, which shall be paid extra under relevant items of USSOR. 2. In case Drag Sheet and/or Rail Cluster are to be used as per approved scheme and design, the same shall be paid extra under relevant item. 3. The payment for this item shall be made for the clear inner cross section area of the parent RCC Box/Boxes and barrel length i.e. clear inner volume of parent RCC Box/Boxes.	cum	195.00	4500.93	877681.35
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28	031130	Casting and installation of single/twin RCC box of all sizes with or without common web section after supporting the track on temporary girders including design of pushing scheme, thrust bed, casting of all RCC components, with specified grade of controlled concrete, pushing it in correct position and alignment below Railway track/Road following all measures of track safety by 'Air pushing technique" as per approved drawings/scheme, in all types of soils with disposal of surplus earth away from vent up to 1 Km, fixing arrangement for all services & utilities including parapet walls on both sides, wearing course, foot paths, plaques, drainage arrangements etc. and all other incidental works to complete the ROB/RUB/Canal crossing in all respect as per specifications to the satisfaction of Engineer-in-Charge. Note: (1) The rate includes all items of work/supplies for complete job in all respects except "cost of Reinforced cement concrete, cement, reinforcement & shuttering" of (i) main RCC Box; (ii) Thrust Bed; (iii) Footpath (iv) Parapet wall and (v) wearing Course only, which shall be paid extra under relevant items of USSOR. (2) The CC Cribbs as required and Temporary Girder shall be supplied by Railways at available location. (3) Transportation of Temporary Girder to site shall be paid separately under relevant item.. (4) The payment for this item shall be made for the clear inner cross section area of the parent RCC Box/Boxes and barrel length i.e. clear inner volume of parent RCC Box/Boxes.	cum	390.00	3384.16	1319822.40
		Loading, transportation of Precast RCC Girders / Slabs / Ballast retainers / Steel Girders etc. from Casting Yard to Site of Work, unloading and stacking at site of work at prescribed location as directed by Engineer-in-Charge above 60 kms.				
29	031171	Above 60 km up to 80 km	MT	85.00	447.86	38068.10
30	031172	Above 80 km up to 100 km	MT	170.00	531.34	90327.80
31	031173	Above 100 km up to 150 km	MT	85.00	699.56	59462.60
32	041370	Supplying fabricating and erecting welded and/or bolted and/or riveted steel work in built up sections, trusses and framed work, staging, racks, Height Gauge 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. Note: The payment shall be made on the theoretical weight of main components and gusset plates only.	MT	85.00	129631.69	11018693.65

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33	051030	Supplying of stone boulders weighing not less than 35 kg each at specified bridge locations.	cum	1120.00	1202.81	1347147.20
34	052040	Supply and laying of coarse sand including consolidation with all 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.	cum	1280.00	2242.55	2870464.00
35	052150	Providing 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.	cum	1792.00	2577.00	4617984.00
36	052250	Providing 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.	cum	1120.00	411.68	461081.60
		Manufacturing, supply and stacking of machine crushed Track Ballast conforming to RDSO Specification (IRS-GE-1) with latest correction slips at Railway depot or nominated location. Note: Distance of nearest quarry mentioned in each sub-item is only for the purpose of selecting the items for preparation of estimates/tender schedule, based on the minimum distance between nearest quarry and centre of supply points and will not affect the selection of quarry during physical supply in any way till prescribed specification is met fully.				
37	085014	When distance of nearest quarry is more than 30 km and up to 40 km	cum	1600.00	1108.85	1774160.00
38	123030	Spreading of ballast, from existing stacks available along formation on top or at cess, in required uniform thickness, compaction of ballast 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 approximately 250mm thickness to a width of 4m symmetrical to centre line of proposed track in correct line & level with all ascents & descents, as directed by Engineer in-charge. Note: Item is inclusive of (a) providing ramp for taking roller to formation and removing the same & making good formation after completion of work; (b) redistribution & leveling of excess ballast while rolling to obtain uniform plane cambered surface.	cum	1600.00	44.93	71888.00

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		Insertion of temporary girder in place of formation involving dismantling of track, removal of ballast and neatly stacking for future use, excavation & installation of CC crib or wooden crib at both ends as per approved design in one or more traffic blocks, excavation for creating space for insertion of girder as required, placement of girder by contractor's Crane, tools & plants, filling of earth/sand filled bags at different stages as required, linking of track and connecting with the approaches, ballasting, boxing and packing approach sleepers to make track fit for 20 kmph to the satisfaction of Engineer in-charge. Note: 1. The CC Cribs as required and Temporary Girder shall be supplied by Railways at available location. 2. Transportation of Temporary Girder to site shall be paid separately under relevant item. 3. The charges for wooden sleepers/blocks required for matting and bearing as per approved design shall be paid extra as per relevant item. 4. In case bridge timber / channel sleepers are required to be laid on girder, the same shall be paid separately under relevant item.				
39	191021	RH /Temporary girder of length varying from 12.2m to 16.3m using road crane capacity of 50 MT	Each	12.00	81257.70	975092.40
		Manufacturing, fabricating and supplying retro-reflective Engineering Indicator boards, made of 2mm thick aluminium sheet or 3mm thick aluminium composite sheet, face to be fully covered with high intensity encapsulated type heat activated retro-reflective sheeting conforming to type-IV of ASTM-D4956-01 in yellow & black or other colour combination including subject matter, message, symbols, borders etc. as approved by Engineer In-charge or as per IRPWM guidelines, pasted on substrate by an adhesive backing which shall be activated by applying heat and pressure conforming to class-2 of ASTM-D-4956-01 and fixing the same with suitable sized aluminium alloy rivets @ 20 cm c/c to back-support frame of M.S. angle iron of size 25mm x25mm x 3mm provided all along the edges of board with theft resistant measures back side of board shall be with non-peelable weatherproof paint, consisting of one coat of zinc chromate primer and two coats of epoxy paint. Vertical post shall have black & white anti-corrosive paint or powder coating complete, as directed.				
40	202021	Caution Indicator Board of size 1400mmx400mm with back support frame fixed to vertical post of MS angle of size 50mmx50mmx6mm of 3650 mm long	Each	32.00	6988.14	223620.48
41	202022	Speed Indicator Board of equilateral triangular shape having each side of 1000mm with back support frame fixed to vertical post of MS angle of size 50mmx50mmx6mm of 3650 mm long	Each	32.00	6008.27	192264.64

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		Hiring of machinery for minor miscellaneous works for short duration including operator/driver, fuel, lubricants and consumable. The contractor shall arrange all statutory permits as required by rules and regulations prevailing in the area of work. Payment shall be made for actual working hours at site.				
42	211201	JCB Backhoe Loaders 3DX Plus or similar with minimum 1.10 cum bucket capacity	Hour	1536.00	864.02	1327134.72
43	211202	Hydra or similar tyre mounted Pick-n-Carry crane of 12T capacity for misc. works of handling of material	Hour	1536.00	964.49	1481456.64
44	211203	Tractor with Trolley for local transportation or other misc. works.	Hour	1536.00	167.24	256880.64
45	211220	Supplying 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.	Each	32000.00	14.45	462400.00
					Total	124182204.34
Schedule	Schedule C-Non Schedule items					
Item- 6	Waterproofing joint tape for expansion joint: Providing and applying FPO tape 2mm with desired width, a modified plasticizer free flexible FPO based drinking water compatible, root resistant membrane with advanced adhesion. The tape system must be capable of Water Tightness Pass (Method B, 24 hours / 60 kPa) as per EN 1928; tensile strength > 12 N/mm2 according to EN 12311-2; tear strength > 28 N/mm according to EN 12310-2; elongation > 650 % according to EN 12311-2; seam strength > 300 N/5cm according to EN 12317-2; chemically resistant to several chemicals; passes low temperature foldability at -40°C according to EN 495-5; passes artificial weathering 7500 hrs according to EN ISO 4892-2. The tape must be capable of servicing a wide range of temperature of -40 °C to +60 °C. The tape system must have drinking water approvals from WRAS and KTW. The tape, adhesive and repair mortar must be provided by same manufacturer for full compatibility. The supplier must have their own manufacturing facility, should not be private label product sourced from third party. The manufacturer must be an ISO 9001 & 14001 certified and valid certificates must be produced as proof.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	(a)150 mm wide	RM	2400.00	1524.00	3657600.00
2	2	(b) 200mm wide	RM	2400.00	1959.00	4701600.00
					Total	8359200.00
Item- 9	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 respect.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	(A)RCC box/U-type/L-type segments requiring traffic block or in closed sections.	MT	3475.00	3566.00	12391850.00
2	2	(B)RCC box/U-type/L-type segments not requiring traffic block or in closed sections	MT	340.00	1685.00	572900.00
					Total	12964750.00

4. ELIGIBILITY CONDITIONS

Special Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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1	"Financial Eligibility Criteria: The tenderer must have minimum Average Annual turnover (Financial Credentials) of at least 100 Cr in last 3 financial years	No	No	Allowed (Mandatory)
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Special Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	"The tenderer must have successfully Completed/ substantially completed at least one similar work of at least 30 Cr in last 5 financial years	No	No	Allowed (Mandatory)
1.1	Similar Nature of work " Construction of LHS/RUB with launching/placement under traffic block".	No	No	Allowed (Mandatory)

Bidders shall confirm and certify on the behalf of the tenderer including its constituents as under:

S.No.	Description
1	I/we the tenderer (s) am/are signing this document after carefully reading the contents.
2	I/We the tenderer(s) also accept all the conditions of the tender and have signed all the pages in confirmation thereof.
3	I/we hereby declare that I/we have downloaded the tender documents from Indian Railway website www.ireps.gov.in . I/we have verified the content of the document from the website and there is no addition, no deletion or no alteration to the content of the tender document. In case of any discrepancy noticed at any stage i.e. evaluation of tenders, execution of work or final payment of the contract, the master copy available with the railway Administration shall be final and binding upon me/us.
4	I/we declare and certify that I/we have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements.
5	I/We also understand that my/our offer will be evaluated based on the documents/credentials submitted along with the offer and same shall be binding upon me/us.
6	I/We declare that the information and documents submitted along with the tender by me/us are correct and I/we are fully responsible for the correctness of the information and documents, submitted by us.
7	I/we certify that I/we the tenderer(s) is/are not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of submission of bids, either in individual capacity or as a HUF/ member of the partnership firm/LLP/JV/Society/Trust.
8	I/we understand that if the contents of the certificate submitted by us are found to be forged/false at any time during process for evaluation of tenders, it shall lead to forfeiture of the Bid Security and may also lead to any other action provided in the contract including banning of business for a period of upto two year. Further, I/we and all my/our constituents understand that my/our offer shall be summarily rejected.
9	I/we also understand that if the contents of the certificate submitted by us are found to be false/forged at any time after the award of the contract, it will lead to termination of the contract, along with forfeiture of Bid Security/Security Deposit and Performance guarantee and may also lead to any other action provided in the contract including banning of business for a period of upto two year.
10	I/We have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India and certify that I am/We are not from such a country or, if from such a country, have been registered with the competent Authority. I/We hereby certify that I/we fulfil all the requirements in this regard and am/are eligible to be considered (evidence of valid registration by the competent authority is enclosed)

Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc.

S.No.	Description
1	Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc. Please submit a certificate in the prescribed format (please download the format from the link given below). Non submission of the certificate, or submission of certificate either not properly filled in, or in a format other than the prescribed format shall lead to summary rejection of your offer. (Click here to download the Format of Self Certification)

5. COMPLIANCE

Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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1	"Mandatory in case Bid security amount is prescribed in STD Para 5.1.2 - The Bid Security shall be deposited in cash through e-payment gateway or submitted as Bank Guarantee bond from a scheduled commercial bank of India or as mentioned in tender documents. The Bank Guarantee bond shall be as per Annexure-XXXII and shall be valid for a period of 90days beyond the bid validity period."	No	No	Allowed (Mandatory)
2	In case the tenderer is (i)Any firm recognized by Department of Industrial Policy and Promotion (DIPP) as 'Startups' - shall be exempted from payment of Bid security deposit and shall submit certified copy of the registration/ Valid document issued by DIPP (mandatory if applicable)	Yes	Yes	Allowed (Optional)
3	In case the tenderer is (iii) Labour Cooperative Societies - shall deposit only 50% of the Earnest Money Deposit and shall submit certified copy of the registration/ Valid document issued by the relevant Ministry/ Labour commission (mandatory if applicable).	Yes	Yes	Allowed (Optional)
4	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)
5	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)

Special Conditions

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	I/We have read the various conditions to tender attached here to and agree to abide by the said conditions. I/We also agree to keep this tender open for acceptance for a period as mentioned in NIT header from the date fixed for opening the same and in default thereof, I/We will be liable for forfeiture of my/our "Bid security". I/We offer to do the work for North Western Railway, at the rates quoted in the attached schedule and hereby bind myself/ourselves to complete the work in all respects within time period as mentioned in the NIT Header from the date of issue of letter of acceptance of the tender.	No	No	Not Allowed
2	I/We also hereby agree to abide by the General Conditions of Contract-2022 corrected up- to- date and to carry out the work according to the Special Conditions of Contract and Indian Railways Unified Standard Specifications (Materials and Works) 2021 as corrected up-to-date, Unified Standard Schedule of Rates of North-Western Railway - 2021 as corrected up-to-date & CPWD DSR-2023 and Specification 2019 (for the present contract)	No	No	Not Allowed

Technical-Compliances

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The tenderer shall submit the Firms's detail as per Annexure I. (Mandatory for all firms)	Yes	Yes	Allowed (Mandatory)
2	The tenderer shall submit the copy of certificate as per proforma given in Annexure II. & IIA(Mandatory for all firms)	Yes	Yes	Allowed (Mandatory)

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3	The tenderer should submit the List of similar nature of works physically completed/substantially completed in all respects during last 7 years , ending last day of month previous to one in which tender is invited,(i) directly awarded by Govt./Semi Govt./Public sector undertaking / Autonomous bodies /Municipal bodies/ Railways Siding owners (ii) Public listed company having average annual turnover of Rs. 500 crore and above in last 3 financial years excluding the current financial year, listed on National Stock Exchange or Bombay Stock Exchange, incorporated/registered at least 5 years prior to the date of closing of tender/ as per proforma given in Annexure-III. In case of JV firm, these details are also required for all the members of the JV firm. In case, the Secondary Component(s) has/ have been defined, the details of successfully completed works of similar nature (that defined for the Secondary Component), executed by tenderer himself / the subcontractor (fully by any one or jointly i.e. partly by tenderer and remaining through subcontractor) during last five years, shall also be submitted (for five years)	Yes	Yes	Allowed (Optional)
4	In case of composite work, having distinct components and having separate schedule for each component having value more than 2 crores, tenderer should submit a details of work of similar nature successfully completed/substantially completed during last 7 years , ending last day of month previous to the one in which tender invited and detailed in Annexure-III (Bifurcated as per components of tender schedule), as per proforma given in Annexure-III-A. (Mandatory in case of tender for composite nature of work). In case of JV firm, these details are also required for all the members of the JV firm. In case, the Secondary Component(s) has/ have been defined, the details of successfully completed works of similar nature (that defined for the Secondary Component), executed by tenderer himself / the subcontractor (fully by any one or jointly i.e. partly by tenderer and remaining through subcontractor) during last five years, shall also be submitted (for five years).	Yes	Yes	Allowed (Optional)
5	The tenderer shall submit the Attested copy of Completion Certificate/ substantially completed of works mentioned in Standard Technical Criteria under eligibility criteria above from the Organizations with whom they worked as per proforma given in Annexure-IV-A or IV-B (If the work is substantially completed) or IV- C (if the work is awarded by Public listed Company) as applicable. (Mandatory for all firms). In case of JV firm, these details are also required for all the members of the JV firm. In case, the Secondary Component(s) has/ have been defined, the Attested copy of Completion Certificate of works executed by tenderer himself / the subcontractor (fully by any one or jointly i.e. partly by tenderer and remaining through subcontractor) during last five years, shall also be submitted.	Yes	Yes	Allowed (Mandatory)
6	Details of Average Annual turnover of the public listed company (company should be 500 Cr and above) issued by Chartered Accountant. These details need to be submitted as per the proforma of Annexure VIII (Mandatory in case of completion certificate issued by public listed company as per annexure IV- C)	Yes	Yes	Allowed (Optional)
7	The copy of the documents regarding listing in the National stock exchange or Bombay stock exchange with details of status of listing as on date of opening of tender, duly self-attested. (Mandatory in case of completion certificate issued by public listed company as per annexure IV- C)	Yes	Yes	Allowed (Optional)
8	The copy of the document of incorporation/ registration of the Public listed company (should be at least 5 years prior to date of closing of tender), duly self-attested. (Mandatory in case of completion certificate issued by public listed company as per annexure IV- C)	Yes	Yes	Allowed (Optional)
9	The copy of document regarding Person Authorized by the Public listed Company to issue such certificate, duly self-attested. (Mandatory in case of completion certificate issued by public listed company as per annexure IV- C)	Yes	Yes	Allowed (Optional)

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10	Tenderer shall also submit the relevant copy of work order, bill of quantities bill wise details of payment received duly certified by Chartered Accountant, TDS certificates for all payments received a copy of final/last bill paid by the public listed company in support of above work experience certificate duly self-attested.(Mandatory in case of completion certificate issued by public listed company as per annexure IV- C)	Yes	Yes	Allowed (Optional)
11	Tenderer shall also submit the relevant copy of work order, bill of quantities bill wise details of payment received duly certified by Chartered Accountant, TDS certificates for all payments received a copy of final/last bill paid by the public listed company in support of above work experience certificate duly self-attested.(Mandatory in case of completion certificate issued by public listed company as per annexure IV- C)	Yes	Yes	Allowed (Optional)
12	The tenderer shall submit the test report of the stone ballast conforming to railways specifications as mentioned in the general instructions of tender document. (This condition is mandatory and will be applicable only for the tenders of supply of ballast as specified "as required" in tender document.In case of non-compliance of this condition by the tenderer in ballast tenders only, the offer of the same will be summarily rejected.)	Yes	Yes	Allowed (Optional)
13	"The average annual contractual turnover shall be calculated as an average of "total contractual payments" in the previous three financial years, as per the audited balance sheet. However, in case balance sheet of the previous year is yet to be prepared/ audited, the audited balance sheet of the fourth previous year shall be considered for calculating average annual contractual turnover. The tenderers shall submit requisite information as per Annexure-VIII, along with copies of Audited Balance Sheets duly certified by the Chartered Accountant/ Certificate from Chartered Accountant duly supported by Audited Balance Sheet. "	Yes	Yes	Allowed (Mandatory)
14	A statement showing construction works executed and payment received in any one of the previous three financial years or the current financial year (up to date of inviting tender) taking into account the completed as well as work in progress as per Annexure-XIX on the letter head of Chartered Accountant, to evaluate bid capacity of the tenderer (Mandatory for tender value more than Rs. 10 Crores). In case of JV firm details of construction works executed by each member of JV is required to be submitted	Yes	Yes	Allowed (Optional)
15	The tenderer should submit the List of works on hand, existing commitments and balance amount of ongoing works as per proforma given in 'Annexure-V to evaluate bid capacity of the tenderer, duly verified by the Chartered accountant (Mandatory for tender value more than Rs. 10 crores)	Yes	Yes	Allowed (Optional)
16	The tenderer should submit the List of plants & Machinery available on hand (own) and proposed to be inducted/ Hired (own and hired to be given separately) for the subject work in Annexure-VI.	Yes	Yes	Allowed (Optional)
17	The tenderer should submit the List of Personnel, Organization available on hand and proposed to be engaged for the subject work in Annexure -VII.	Yes	Yes	Allowed (Optional)
18	The tenderer in the capacity of Sole Proprietor tenderer shall submit the affidavit duly executed on stamp paper and notarized as per Annexure IX. (Mandatory for Sole Proprietor ship Firm/ for JV firm having Sole Proprietor firm as a member)	Yes	Yes	Allowed (Optional)
19	The tenderer shall submit the Power of Attorney duly registered with registrar or notarized as per proforma given in Annexure XIV to be submitted by sole proprietor firm duly registrar with the registrar or notarized. (Mandatory for Sole Proprietor ship Firm , if tender documents are uploaded by any individual ,authorized by him) (Not required if tender documents are uploaded by proprietor himself).	Yes	Yes	Allowed (Optional)
20	The tenderer in the capacity of HUF shall submit the affidavit duly executed on stamp paper and notarized as per Annexure XXVI. (Mandatory for HUF firm/ for JV having HUF as a member)	Yes	Yes	Allowed (Optional)

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21	The tenderer in the capacity of HUF shall submit the Power of Attorney, duly executed on stamp paper and duly registered with registrar/ notarized as per Annexure XXVII. (Mandatory for HUF firm)(Required , if tender documents are uploaded by any individual ,authorized by him) (Not required if tender documents are uploaded by Karta himself).	Yes	Yes	Allowed (Optional)
22	The tenderer as partnership firm shall submit copy of partnership deed (duly registered with registrar or Notarized prior to the date of tender opening as per Indian partnership Act) (Mandatory for Partnership Firm /JV Firm having partnership firm as a member)	Yes	Yes	Allowed (Optional)
23	The tenderer as partner ship firm shall submit the Power of Attorney (duly registered with registrar or notarized) as per proforma given in Annexure-XIII to be submitted by Partnership firm. (Mandatory for Partnership Firm) (Required even if one or more partners are authorized in Partnership deed to sign and upload the offer on behalf of the firm.)	Yes	Yes	Allowed (Optional)
24	The tenderer in the capacity of Company shall submit the Copy of Memorandum of Association / Articles of Association of Company. (Mandatory for Company Firm / JV Firm having having Company as a member)	Yes	Yes	Allowed (Optional)
25	The tenderer in the capacity of Company shall submit the copy of resolution passed by Board of Directors authorizing its Director/Employee to deal with tender on behalf of company. (Mandatory for Company Firm)	Yes	Yes	Allowed (Optional)
26	The tenderer in the capacity of company shall submit the Copy of Certificate of Incorporation of the Company. (Mandatory for Company Firm/JV Firm having having Limited Company as a member)	Yes	Yes	Allowed (Optional)
27	The tenderer in the capacity of company shall submit the Power of Attorney/ Authorization (duly registered with registrar or notarized) including ratification clause duly signed by person authorized by the company as per proforma given in Annexure-XV. (Mandatory for Company Firm)(Required even if tender documents are submitted by the authorized/ power of attorney holder himself as per resolution passed by Board of Directors)	Yes	Yes	Allowed (Optional)
28	The tenderer in the capacity of Limited liabilities Partnership firm (LLP firm) shall submit the copy of LLP Agreement (Mandatory for LLP firm /JV Firm having LLP Firm as a member)	Yes	Yes	Allowed (Optional)
29	The tenderer in the capacity of Limited liabilities Partnership firm (LLP firm) shall submit the copy of Certificate of Incorporation (Mandatory for LLP firm /JV Firm having LLP Firm as a member)	Yes	Yes	Allowed (Optional)
30	The tenderer in the capacity of Limited liabilities Partnership firm (LLP firm) shall submit the copy of Resolution of Partners of LLP firm (executed on the Letter Head of LLP firm) in favour of the individual to sign he tender on behalf of the LLP firm and deal with tender on behalf of the firm as per proforma given in Annexure-XX.(Mandatory for LLP firm).	Yes	Yes	Allowed (Optional)
31	The tenderer in the capacity of Registered Society/ Registered Trust shall submit the copy of the certificate of registration (Mandatory for Registered Society/ Registered Trust and JV firm having Registered Society/ Registered Trust as a member)	Yes	Yes	Allowed (Optional)
32	The tenderer in the capacity of Registered Society/ Registered Trust shall submit the copy of the Deed of Formation (Mandatory for Registered Society/ Registered Trust and JV firm having Registered Society/ Registered Trust as a member)	Yes	Yes	Allowed (Optional)
33	A copy of power of attorney in favour of the individual to sign the tender document and create liabilities against society/trust (Annexure XXI)	Yes	Yes	Allowed (Optional)
34	The tenderer in the capacity of JV firm shall submit the Memorandum of Understanding of JV duly notarized as per proforma given in Annexure-X.(Mandatory for Joint Venture Firm)	Yes	Yes	Allowed (Optional)

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35	The private/ limited company, sole proprietor firm or HUF/Society/Trust participating as a member of JV shall submit the Power of Attorney duly registered with registrar or notarized as per proforma given in Annexure-XII (Mandatory), (For private/ limited company as member of JV- the annexure XII is required even if MOU/JV agreement is signed by the authorized/ Power of attorney holder himself as per the Copy of Resolution) (For sole proprietor firm/HUF as member of JV- Not required if MOU/JV agreement is signed by the proprietor of the sole proprietor firm/ karta of HUF himself)	Yes	Yes	Allowed (Optional)
36	The tenderer in the capacity of JV firm shall submit the Letter of consent duly executed on stamp paper as per proforma given in Annexure-XI to be submitted by a partnership firm participating as a Member of JV firm. (Mandatory for Joint Venture Firm if one of the member is Partnership firm)	Yes	Yes	Allowed (Optional)
37	The tenderer in the capacity of JV firm shall submit the Power of Attorney duly registered with registrar or notarized in favour of the individual to sign the MOU/JV agreement on behalf of the partnership firm and create liability against the firm as per proforma given in Annexure-XVIII. (Mandatory for Joint Venture Firm if one of the member is Partnership firm) (Required even if MOU/JV agreement is signed by one or more partners authorised in the partnership deed, letter of consent)	Yes	Yes	Allowed (Optional)
38	The tenderer in the capacity of Limited liabilities Partnership firm (LLP firm) shall submit the Power of Attorney duly registered with registrar or notarized, issued by LLP firm as per proforma given in Annexure-XX. (Mandatory for LLP firm/ for JV having LLP as member) (Required even if tender documents are submitted by the authorized/ power of attorney holder himself as per resolution passed by Partners of the LLP)	Yes	Yes	Allowed (Optional)
39	The tenderer in the capacity of JV firm shall submit the Copy of Resolution of the Partners of LLP firm, permitting the LLP firm to enter into a JV agreement, authorizing one of the partner of LLP firm to sign MOU/JV Agreement and such other documents required to be signed on behalf of the LLP firm and to create liabilities against the LLP firm and / or to do any other act on behalf of the LLP firm as per proforma given in Annexure-XXIII (Mandatory for JV firm if one of the member is LLP firm).	Yes	Yes	Allowed (Optional)
40	The tenderer in the capacity of JV firm shall submit the Power of Attorney duly registered with registrar or notarized (Backed by Resolution of the Partners of LLP firm) in favour of individual to sign the tender, to sign MOU/JV Agreement on behalf of the LLP firm and create liability against the LLP firm as per proforma given in Annexure-XXIV. (Mandatory for JV firm if one of the member is LLP firm).	Yes	Yes	Allowed (Optional)
41	The tenderer in the capacity of JV firm shall submit the copy of resolution passed by Board of Directors of the Company, permitting the company to enter into a JV agreement, authorizing MD or one of the Directors of Managers of the Company to sign JV Agreement, such other documents required to be signed on behalf of the Company and enter into liability against the company and/or do any other act on behalf of the company to be submitted as per Annexure-XVII. (Mandatory for JV firm if one of the member is Limited Company)	Yes	Yes	Allowed (Optional)
42	The tenderers shall submit the information and particulars regarding retired Railway Engineer(s)/Officer(s) of the Gazetted rank and regarding Relative(s) employed in Gazetted capacity on North Western Railway as per proforma given in Annexure XXII (Mandatory)	Yes	Yes	Allowed (Mandatory)

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43	"The tenderer in the capacity of newly formed Partnership Firm/ LLP Firm, shall submit Declaration as per ANNEXURE XXVIII (Mandatory if tenderer is Newly Formed Partnership Firm/ LLP Firm. The following relevant documents are Annexed with bid - (mandatory as applicable) (1) Details of previous Propriety firm / Partnership Firm/ LLP firm as per annexure I (2) A copy of previous partnership Firm (Notarized or duly registered with the Registrar) (3) Affidavit as per proforma given of Annexure -IX for previous Propriety firm (duly executed on stamp paper and notarized). (4) Copy of previous LLP agreement and certificate of incorporation. (5) Dissolution deed/ splitting deed of the previous partnership deed or LLP agreement (in case of dissolution of previous partnership firm/ LLP firm) (6) Proof of surrender of previous PAN no (in case of dissolution of previous partnership firm, LLP firm or propriety firm) (7) Documents for the technical, financial criteria, bid capacity as claimed w.r.t. such partner(s) joining the new/ existing partnership firm, as per para 16.1 (c), (d), (f),(g), (k) of Bid document. "	Yes	Yes	Allowed (Optional)
44	"The tenderer in the capacity of existing Partnership Firm/ LLP Firm, shall submit Declaration as per Annexure XXIX (Mandatory if tenderer is existing Partnership Firm/ LLP Firm. The following relevant documents are Annexed with bid - (mandatory as applicable) (1) Details of previous Propriety firm / Partnership Firm/ LLP firm as per annexure I. (2) A copy of previous partnership Firm (Notarized or duly registered with the Registrar) (3) Affidavit as per proforma given of Annexure -IX for previous Propriety firm (duly executed on stamp paper and notarized). (4) Copy of previous LLP agreement and certificate of incorporation. (5) Dissolution deed/ splitting deed of the previous partnership deed or LLP agreement (in case of dissolution of previous partnership firm/ LLP firm) (6) Proof of surrender of previous PAN no (in case of dissolution of previous partnership firm, LLP firm or propriety firm) (7) Documents for the technical, financial criteria, bid capacity as claimed w.r.t. such partner(s) joining the new/ existing partnership firm, as per para 16.1 (c), (d), (f),(g), (k) of Bid document "	Yes	Yes	Allowed (Optional)
45	"The tenderer in the capacity of existing/ New Company, shall submit Declaration regarding constitution of the existing/ New Company as per Annexure XXX (Mandatory if tenderer is merged Company). The following relevant documents are Annexed with bid - (mandatory as applicable) (1) Details of company getting merged as per annexure I (2) Copy of Memorandum of Association/ Articles of Association of the Company getting merged (3) Copy of certificate of incorporation of previous company getting Merged. (4) Resolution by the Board of Directors for the Merger of the company(s) with the tenderer (5) Proof of surrender of previous PAN no (6) Documents for the technical, financial criteria, bid capacity as claimed w.r.t. such Company(s) joining the new/ existing Company, as per para 16.1 (c), (d), (f), (g), (k) of Bid document "	Yes	Yes	Allowed (Optional)
46	"Tenderer shall submit a formal agreement duly notarized, legally enforceable in the court of law, executed by tenderer with the subcontractor for the component(s) of work proposed to be executed by the subcontractor(s), and shall be submitted along with the offer as per proforma given in Annexure XXXI. (Mandatory in case of secondary components are defined in the tender with special condition 'for submission along with the Offer) "	Yes	Yes	Allowed (Optional)

Undertakings

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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1	An amount towards Bid Security As mentioned in the relevant Para of NIT header has been submitted online through net banking or payment gateway or Bank gurantee. The full value of the Bid security shall stand forfeited without prejudice to any other right or remedies in case my/our tender is accepted and if:- (a) I/We do not execute the contract documents within seven days after receipt of notice issued by the Railway that such documents are ready; and (b) I/We do not commence the work within fifteen days after receipt of orders to that effect.	No	No	Not Allowed
2	Until a formal agreement is prepared and executed, acceptance of this tender shall constitute a binding contract between us subject to modifications, as may be mutually agreed to between us and indicated in the letter of acceptance of my/our offer for this work.	No	No	Not Allowed
3	The tenderer shall submit the original copies of the documents as per Annexure II, IIA, IX, X, XI, XII, XIII, XIV, XV, XVII, XVIII, XX, XXI, XXII, XXIII, XXIV , XXV(Deleted), XXVI, XXVII, XXVIII, XXXIX, and XXXII or other document as applicable for Sole Proprietor/ HUF/Partnership firm/LLP firm/ Registered Society / Registered Trust /Limited Company/JV Firms as and when required by the Railway for the verification. If the required documents are not submitted by the tenderer or there any discrepancy is found between the scanned uploaded documents by the tenderer and original documents then the offer of the concerned tenderer will be summary rejected and the action will be taken as per the various provisions of certificate to be submitted by the tenderer as per Annexure-II, IIA	No	No	Not Allowed
4	The tenderer shall comply with the provisions of the Contract Labour (Regulation and Abolition) Act 1970 and the Contract Labour (Regulation and Abolition) Central Rules 1971 as modified from time to time, wherever applicable and shall also indemnify the Railway from and against any claims under the aforesaid Act and Rules.	No	No	Not Allowed
5	The tenderer shall comply with the provisions of the Payment of Wages Act 1936, Minimum Wages Act 1948, The Workmen Compensation Act 1923, and the rules made there under in respect of any employees employed directly or through petty contractors or sub-contractors engaged by them, as modified from time to time, wherever applicable and shall also indemnify the Railway from and against any claims under the aforesaid Act and Rules.	No	No	Not Allowed
6	The tenderer shall comply with the provisions of the Employees provident fund and Miscellaneous Provision Act 1952 and the rules made there under as modified from time to time, wherever applicable and shall also indemnify the Railway from and against any claims under the aforesaid Act and Rules.	No	No	Not Allowed
7	The tenderer shall comply with the provisions of the Employees State Insurance Act 1948 and Employees Pension Scheme 1995 and the rules made there under as modified from time to time, wherever applicable and shall also indemnify the Railway from and against any claims under the aforesaid Act and Rules.	No	No	Not Allowed
8	The successful tenderer after award of the contract shall register himself on website www.shramikkalyan.indianrailways.gov.in and will comply the provisions of the Para 39 of the Special Conditions (General) of Standard Tender Document.	No	No	Not Allowed
9	Certify that neither I /We (name of the sole Proprietor firm/ Partnership Firm/Limited Company/ LLP/Registered Society/Trust / JV firm) nor any of the partner or partnership firm/ LLP /Member of Registered Society/ Trust / Constituent of JV firm including partner of partnership firm in JV has/ have been black listed or debarred by Railway or any other Ministry /Department/ Public Sector Undertaking of the Government of India/ any State from participation in tenders/contract on the date of opening of bids either in our individual capacity or in any firm in which we are partners.	No	No	Not Allowed

6. Documents attached with tender

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S.No.	Document Name	Document Description
1	AddlSplcondofNSandgenl.pdf	Additional Spl Conditions NS and G
2	STD114T-942_1.pdf	STD114
3	TechnicalSpecificationElect.pdf	Tech Specification Elect
4	GCC_April-2022_2022_CE-I_CT_GCC-2022_POLICY_27_04_22.pdf	GCC2022
5	GCC-2022ACS1to11_compressed.pdf	ACS 1 to 11 of GCC
6	SafetyCompadium.pdf	safety compadium
7	CorrigendumSTDVersion11.4.pdf	STD corrigendum dated 19 05 2026
8	CorrigendumtoSTDVersion11.4.pdf	STD corrigendum dated 01 06 2026

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: ABHINAV SINGH

Designation : Dy.CE/C-III/JP