

S.C.Railway.		Approved				
				Period of Completion: 12 Months.		
		Sr.DEN/Br.Lines/BZA		Defect Liability Period: 48 Months.		
Sl. No.	SW. No.	DESCRIPTION OF WORK	Schedule Value		Allocation	Sanction No.
1	1	BZA division:-Protection of steel and PSC girders of waterway bridges at locations where part of the bridge span is used for road traffic by installing height gauges as per ESO/Standard to prevent damage from vehicular movement.	1,39,70,676/-	4,81,74,745/-	26-3251-03	B/W.71/I/23/Br Dt:09.04.2026.
			3,42,04,069/-		29-3251-03	
		Tender value:		Rs. 4,81,74,745/-		
Similar Nature of work : B.V.(c) : Any work consisting of steel fabrication and erection of FOB Or SteeVComposite girder Bridges Or ROB wift Steel Composite girder Or Industrial Shed Or PF shelter (steel) Or Microwavey'IIT tower Or Replacement of steel members/repairs on steel girder Bridges Or Steel Sleepers over girder Bridges (Authority: PCE/SCs Guidelines on Similar Nature of works, vide Lr. No. W.148/P/SNW/2025, Date: 02.12.2025).”						
Name of the Tenderer/Contractor:						
SCHEDULE-A ( USSR-2021) Structural steel						
S. No	USSR. No.	Description of Work	Total	Rate	Unit	Amount
1	041370	Supplying fabricating and erecting welded and/or bolted and/ or riveted steel work in built up sections, trusses and framedwork, staging, racks, HeightGaugeetc. for Steel Structures other than bridge girders, usingRSJ, tees, angles and channels/ flats, plates, gussets, round or squarebars, cleats, bolts etc., with contractors own steel including cutting, bending, straightening, drilling, riveting, hoisting, fixing, erecting, welding, boltingetc., 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. Special Note: Springs required in Heavy type Height gauges will be paid in this item.	299	124,797.68	MT	37314506.32
	041070	Providing and fixing various size HTS holding down bolts conforming to relevant Codes/ Specification in concrete column or in other structures with proper nuts, bolts, washers/ plates, grouting of holes with cement or epoxy concrete with all material, labour, T&P as a complete job.				

2	041071	With Cement Grout. Cost of cement shall be paid extra.	7156	108.61	Kg	777213.16
3	041020	Supplying and fixing HSFG bolts of any dia and any length with suitable nuts including DTI washers conforming to IRS-B1-2001 for bridges and steel structures with contractors labour, tools and plants and lead and lift etc., complete.	1595	311.31	Kg	496539.45
		<b>Total of SCHEDULE-A</b>				38588258.93

**SCHEDULE-B ( USSR-2021)**

1	022010	Earthwork in excavation by mechanical means (Hydraulic Excavator)/Manual Means for foundations and floors of the bridges, retaining walls etc. including setting out, dressing of sides, ramming of bottom, getting out the excavated material, back filling in layers with approved material and consolidation of the layers by ramming and watering etc. including all lift, disposal of surplus soil upto a lead of 300m, all types of shoring and strutting with all labour and material complete as per drawing and technical specification as directed by Engineer in charge. <b>Note:</b> 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.				
	022011	All kinds of soils	1148.00	189.63	Cu. M	217695.24
2	022030	Providing and laying in position Plain cement concrete of specified Nominal Mix for miscellaneous works like side drains, foundation for OHE masts and other miscellaneous structures excluding the cost of Cement, centering and shuttering - All work up to plinth level				
	022031	1:1½:3(1Cement:1½coarsesand(zone-III):3gradedstoneaggregate20 mm nominal size)	761.0	2509.53	Cu. M	1909752.33
3	022030	Providing and laying in position Plain cement concrete of specified Nominal Mix for miscellaneous works like side drains, foundation for OHE masts and other miscellaneous structures excluding the cost of Cement, centering and shuttering - All work up to plinth level				
	022035	1:3:6(1Cement:3coarsesand(zone-III):6gradedstoneaggregate40mm nominal size).	118	2,576.61	Cu. M	304039.98
4	025030	Centeringandshutteringincludingsstrutting,proppingetc.andremovalofform for :				
	025031	All types of bridge sub-structures e.g., pier, abutment, wingwall, retainingwall, RCC box type foundations, Abutmentcap, PierCap, InspectionPlatform& Pedestal over Piercap, Fenderwall, Diaphragm wall etc.upto 5m above ground level	2163	605.99	Sq. M	1310756.37

5	041270	Painting cleaned triangulated bridge girders including all scaffolding, along with provision of Jhoola / hanging scaffolding ladder where required.				
	041272	With two cover coats of ready-mixed paint conforming to IS:13607 with colour/shades, as decided by Engineer-in charge. Note: DFT of each coat shall be 20-25 microns	4200	102.21	Sq. M	429282.00
6	202010	Manufacturing, fabricating and supplying retro-reflective Level Crossing 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 x 25mm x 3mm provided all along the edges of board with theft resistant measures, back side of board shall be with non-peelable weather-proof 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.				
	202012	Speed Breaker/ Rumble Strips Board of size 900 mm equilateral triangular shape and 600 mm x 200 mm boards with back support frame welded to vertical post of MS T section of size 80 mm x 80 mm x 8 mm x 3650 mm	44	7,163.51	Set	315194.44
7	211020	Erection or removal of temporary Engineering Indicator Board or any other board at specified locations without causing infringement to track etc. complete and as directed.				
	211021	For erection	44	220.96	Each	9722.24
8	211200	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.				
	211202	Hydra or similar tyre mounted Pick-n-Carry crane of 12T capacity for misc. works of handling of material	110	836.21	Hour	91983.10

9	186060	Provision of one Asphalt Speed Breaker Rumble Strip on each side of the approaches of manned level crossings as per approved drawing including painting two coats with paint of approved quality and colour.	1320	680.74	RM	898576.80
		<b>Total of SCHEDULE-B</b>				<b>5487002.50</b>
<b>SCHEDULE-C ( USSR-2021)</b>						
1	025070	Supply and using Cement at Worksite				
	025072	Ordinary Portland Cement 53 grade of approved brands/makes	321	7,258.31	MT	2329917.51
		<b>Total of SCHEDULE-C</b>				<b>2329917.51</b>
<b>SCHEDULE-D ( USSR-2021)</b>						
1	25080	Supply of steel reinforcement of approved brands/makes for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
	25082	Thermo-Mechanically Treated bars of grade Fe-500D or more of approved brands/makes.	14465	98.27	Kg	1421475.55
		<b>Total of SCHEDULE-D</b>				<b>1421475.55</b>
<b>SCHEDULE-E (DSR-2023)</b>						
1	15.2	Demolishing of cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in-charge.				
	15.2.1	Nominal concrete 1:3:6 or riches mix (including equivalent design mix)	3	2434.25	cum	7302.75
2	15.19	Dismantling steel work manually/ by mechanical means in builtup sections with out dismembering and stacking within 50 metres lead as per direction of Engineer-in-charge.	8000	3.85	Kg	30800.00
3	15.59	Dismantling of flexible pavement (bituminous courses) by mechanical means and disposal of dismantled material upto a lead of 1 kilometre, as per direction of Engineer-in-charge.	30	420.8	cum	12624.00

4	16.61	Providing Retro-reflective regulatory sign board of size 900 mm dia metre made out of 2 mm thick aluminium sheet, face to be fully covered with high intensity encapsulated lens type retro -reflective sheeting as approved by Engineer-in-charge . Letter, symbols, borders etc. will be as per IRC - 67 with required colour scheme on the boards and with the high intensity grade A. The aluminium sheet to be riveted to M.S. frame of angle iron of size 40x40x4 mm. The boards will be fixed to 1 No. 50x50 mm square post made of M.S. angle 50x50x4 mm, 4 m long welded to the frame with adequate anti-theft arrangement .Sheet work to be painted with two or more coats of synthetic enamel paint over an under coat (primer) and back side of aluminium sheet to be painted with two or more coats of epoxy paint including appropriate priming coat complete in all respects as per direction of Engineer-in-charge.	44	8154.35	Each	358791.40
		<b>Total Amount of Schedule-E =</b>				<b>409518.15</b>
		As per Lr No SCR/HQ/Engg/(SOR)/18/2019-Dy. CE/Works/SCR dated 22.09.2025, The escalation factor of (-) 15% to be applied for all estimates and tenders of Civil Engg works in S.C.Rly				61427.72
		<b>Net amount of Schudule 'E'</b>				<b>348090.43</b>
		<b>Summary</b>				
		<b>Total of Schedule-A</b>				<b>38588258.93</b>
		<b>Total of Schedule-B</b>				<b>5487002.50</b>
		<b>Total of Schedule-C</b>				<b>2329917.51</b>
		<b>Total of Schedule-D</b>				<b>1421475.55</b>
		<b>Total of Schedule-E</b>				<b>348090.43</b>
		<b>Grand Total</b>				<b>48174744.92</b>