

South Central Railway  
Secunderabad Division  
Tender Schedule

Name of the work: SC-KZJ section: SW-I: Ghanpur--Provision of longer loop line at Ghanpur station on Down loop line side Kazipet end on SC-KZJ Section. SW-II: SC-KZJ section: Naskal--Provision of longer loop line at Naskal station on UP loop line side SC end on KZJ-SC Section

S.No.	Item No.	Description of the Item	SW-I GNP Quantity				SW-II NSKL Quantity				Total	Unit	Rate	Amount
			Track Items	RBG+ Goompty	Bridge	Total	Track Items	RBG+ Goompty	Bridge	Total				
		<b>Schedule-A-SCR-USSR-2021 Items</b>												
	012010	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 incidenta 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:												
1	012011	In all conditions and classifications of soil except rock	1000			1000	1000			1000	2000	CuM	104.10	208200.00
	061010	Pulling & positioning of rails accurately on cess including supporting rails, providing required gap and squaring at ends for renewal preparation, as directed by Engineer in-charge.												
2	061011	Up to 40 m long rail panel	1000			1000	1000			1000	2000	RM	7.89	15780.00
3	061012	More than 40 m long rail panel	3024			3024	2320			2320	5344	RM	12.46	66586.24
	061020	Dismantling and removing rail of all section & length from track, laid on any type & density of sleeper by removing fish plates, fastenings & fish bolts and other materials including stacking all released materials within an average distance of 500 metres as directed by Engineer in-charge. Note: 1.Cutting of rails shall be paid separately. 2.Work to be done under traffic block.												
4	061021	For Through Rail Renewal work	500			500	2320			2320	2820	TRM	38.70	109134.00
5	061022	For Casual/Scattered Rail Renewal work	500			500	500			500	1000	RM	30.73	30730.00
	061030	Insertion of rails of all types & length in track, laid on any type & density of sleeper to the specified gauge under traffic block. Rates include fastening of rail with sleepers with standard set of fastenings and fixing of fish plates and bolts or, if required, providing gap for welding and stacking of released material without infringement within 250m as directed by Engineer-in-Charge. Note: Rail drilling and cutting to be paid separately.												
6	061031	For Through Rail Renewal work	500			500	500			500	1000	TRM	39.90	39900.00
7	061032	For Casual/Scattered Rail Renewal work	500			500	500			500	1000	RM	32.53	32530.00
	062010	Through Sleeper Renewal (TSR) with PSC sleepers involving removal existing sleepers of any type along with fittings from track, insertion of PSC sleepers lying along the cess / formation / slope / toe within 5 metres height with all fittings to specified spacing, gauge and squareness, one round of through packing to make track fit for 20 kmph speed, dressing of ballast to standard profile, all in accordance with the latest provisions of IRPWM and stacking of all released material neatly at specified places within an average lead of 100 m as directed by Engineer in-charge.												
8	062011	For location of work not involving deep screening	0			0	100			100	100	Each	293.33	29333.00
	063010	Fixing of fish plates with fish bolts on a joint of all rail sections duly lubricating fish plates/bolts with contractor's grease graphite in running track condition including transportation of fish plates and fish bolts from nearest station / store / level crossing. Note: Rail cutting & drilling to be paid separately.												
9	063012	Fixing of Fish plates	50			50	50			50	100	Each	276.37	27637.00
	063080	Lubrication of Elastic Rail Clips on PSC sleepers as per procedure prescribed in latest edition of IRPWM with Railway's grease.	9072			9072	11022			11022	20094	Each clip	1.95	39183.30
10	064050	Gas cutting of rail of various sections with contractor's tools & plants, as directed by engineer in-charge :												
11	064052	Rail section of 52Kg and above	644			644	366			366	1010	Each	110.77	111877.70

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			Track Items	RBG+ Goompty	Bridge	Total	Track Items	RBG+ Goompty	Bridge	Total				
	071010	Under Traffic Block: Dismantling of existing BG turnouts, diamond crossings and derailing switches with all types of rails and sleeper layout, removing rails, switches, crossings, sleepers & fastenings, leveling of ballast to correct profile & stacking all the released materials, sleepers, fastenings, rails, switches & crossings including segregating & stacking at specified locations in a neat and countable manner, within the lead of 250m & al lift, clear of infringements, crossing of track, if any complete, as directed. Note: 1. This item shall be operated only when existing turnout is replaced either with new turnout in case of TTR or with plain track when existing turnout is no more required at that location. 2. Rail cutting will be paid extra under relevant item. 3. Laying of new turnout or plain track on prepared ballast bed, as required, shall be paid separately under relevant item.												
	071012	Dismantling of existing 1 in 12 P&C	0			0	0			0	0	Set	30595.82	0.00
12	071011	Dismantling of existing 1 in 8.5 P&C	1			1	1			1	2	Set	26669.25	53338.50
	072040	Laying and linking of turnouts of all types including diamond crossings & Derailing switches with 52Kg / 60Kg rail section on PSC sleepers on prepared ballast bed for New lines or during total closure of section at indicated location as per standard drawing, duly leading sleepers, rails, switches, crossings, fastenings including rail cutting, drilling, fixing of al components, fittings with housing of tongue rails as per requirement of signaling, preparing ballast bed, filling and spreading of ballast as required, linking of turnout with track, attending track parameters including lifting, providing one round of packing to make track fit for 20 kmph speed including lubrication of fittings/fastenings, complete as directed by Engineer in-charge.												
	072041	1 in 8.5 Turnouts	0			0	0			0	0	Set	38659.71	0.00
13	072042	Assembling & laying of 1 in 12 P&C	7			7	5			5	12	Set	44921.93	539063.16
	073010	Lifting the newly inserted BG 60 Kg. / 52 Kg. turnouts/ trap switches to required level to provide full ballast cushion as per approved drawings after initial laying with Railway's stone ballast in convenient stages including one round of through packing after completion of final stage of lift, levelling, aligning, gauging and boxing to standard profile to make it fit for 20 kmph with all lead and lifts, complete in all respect and as directed by the Engineer-in-charge. Note: 1. The item shall be used only when UNIMAT is not available for the work before the turnout is opened for operation. 2. Leading and dumping of ballast will be paid separately under relevant item.												
	073011	1 in 8.5 Points & Crossing	0			0	0			0	0	Set	11565.13	0.00
14	073012	1 in 12 Points & Crossing	7			7	5			5	12	Set	15720.77	188649.24
	081061	Lifting of the track	0			0	0			0	0	TRM	23.82	0.00
	084040	Unloading of ballast from Railway's Hopper Wagons, quantity distribution as per pre-defined site requirement, clearing infringements/jammed ballast, distributing the unloaded ballast uniformly over the track, profiling and boxing following all prescribed safety norms.												
15	084041	Under Traffic Block Conditions:	500			500	500			500	1000	CuM	45.35	45350.00
16	121010	Dismantling of existing LWR/SWR track of any structure, removing rails, sleepers, fish plates, cutting of rails, segregation and stacking of released Rails, Sleepers and fitting at nominated location in countable manner within a free lead of 500m, levelling of ballast to correct profile for laying new track over it, all as per direction of Engineer-in-Charge.	200			200	200			200	400	TRM	157.56	63024.00
	122010	Shifting & pairing of rails / panels unloaded alongside existing running track to adjoining formation of a new line including crossing of one track, duly lifting & pushing rail / panel without damaging it and taking al necessary precautions, so as not to infringe the running track, as directed by Engineer in-charge. Note: The rail barricading, if disturbed during working, should be restored to its original condition by the agency including re-fixing & concreting as required.												
17	122011	Rail length up to 13m - Under Traffic Block	3024			3024	3320			3320	6344	RM	17.17	108926.48

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			Track Items	RBG+ Goompty	Bridge	Total	Track Items	RBG+ Goompty	Bridge	Total				
18	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.	3628.8			3628.8	3134			3134	6762.8	CuM	44.61	301688.51
	123041	Linking of BG track for 1660 Sleeper density	1512			1512	1660			1660	3172	TRM	255.83	811492.76
	123090	Shifting / Slewing the existing or newly assembled track of any rail section with any type of sleepers and any density under line block to correct locations & alignment and attending to one round kutchra packing to run safely at 20KMPH speed with all contractors tools and consumables complete and as directed by Engineer in-charge.												
19	123091	Maximum Shifting / Slewing up to 1 metre	1512			1512	1660			1660	3172	TRM	178.64	566646.08
	131011	Through packing of track	1512			1512	1660			1660	3172	TRM	89.98	285416.56
	131050	Through packing of points and crossings, derailling switches including gauging, fittings recoupment, ballasting as required, elimination of sag and to the required alignment after Deep Screening as per procedure prescribed in latest edition of IRPWM complete as per direction of Engineer-in-charge. Note: This work shall be operated in exceptional cases with written approval at DEN level when UNIMAT is not available and immediate packing is required to pass train over it.												0.00
	131052	1 in 8.5 PSC layout	0			0	0			0	0	Set	12,857.58	0.00
20	131052	Through packing of points and crossings (1 in 12)	7			7	5			5	12	Set	12,857.58	154290.96
	136060	Replacing existing glued joint rail with cut rails or with glued joint rail or insertion of glued joint by cutting existing track under traffic condition by cutting rails, refixing with all rail sleeper fastenings and providing required gaps for carrying out welding as an alternative to drilling holes or joining rails with fish plates duly drilling holes as required including stacking of released material and as directed by engineer in-charge. Note: (A) Drilling holes for rail cutting will be paid separately.	0			0	20			20	20	Each	1,567.39	31347.80
	161010	Quick cutting with abrasive rail cutter of all types of rail sections including wear resistant, head hardened rails up to 110 UTS, with contractors tools & plants, equipment, consumable with all lead & lift etc. complete as directed by Engineer in-charge. Abrasive Rail Cutter will be as per RDSO Specification No. TM/SM/1 (Rev. 01 of 2012) with latest status of RDSO; Rail Cutting Wheel Abrasive Disc will be as per RDSO Specification No. TM/SM/2 (Rev. 01 of 2020)												
21	161012	52 Kg - 90 UTS - Outside Track	400			400	400			400	800	Each	191.50	153200.00
	161040	Drilling holes of 16 mm to 32 mm dia. with Rail Drilling machine including chamfering with appropriate chamfering tools in all types of rail section with contractor's tools & plants, equipment, consumable with all lead & lift etc. complete, as directed by Engineer in-charge. Rail Drilling Machine will be as per RDSO Specification No. TM/SM/3, dated 24.04.1991.												
22	161041	Outside Track	800			800	800			800	1600	Each	50.55	80880.00
	211250	Manufacturing and fixing buffer stop with Railway supplied rails, cutting, including bending of rails as per plan, with all contractor's labour, materials, tools, plants etc. and all lead and lift including crossing of track where necessary and as directed by Engineer in charge at site. Note: Excavation, fixing rails in cement concrete, drilling of holes will be paid separately.	3			3					3	Each	14080.46	42241.38
		<b>Schedule-B-SCR-USSR-2021 Items</b>												
	011030	Earthwork in filling in embankment, guide bunds, around buried type abutments, bridge gaps, trolley refuges, platforms etc. with contractor's own earth conforming to Soil Quality Class SQ1/SQ2/SQ3, after preparation of foundations as applicable, benching in existing banks wherever required, spreading in layers with motor grader, bringing the moisture content to OMC, mechanical compaction to specified density and dressing of bank to final profile as per RDSO Specifications: RDSO/2020/GE: IRS-0004 with latest correction slips.												
1	011032	Using Soil Class SQ2	61400			61400	60000			60000	121400.00	CuM	268.5	32595900.00

**Total Schedule - A---Rs. 4136446.67**

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			Track Items	RBG+ Goompty	Bridge	Total	Track Items	RBG+ Goompty	Bridge	Total				
2	012030	Mechanical manufacturing of blanketing material by using only hard and durable stone crushed in mechanical crusher to different gradations, wet mixing of the same in designed proportion in Pug mill or wet mix plant to have uniform gradation including all incidental transportation, laying over finished formation in uniform layer(s) with motor grader, compaction with suitable vibratory roller to specified density and finishing to correct profile, complete as per RDSO Specification No. RDSO/2020/GE: IRS-0004 with latest correction slips. Note: This item shall be used only when entire constituent of blanketing material is mechanically manufactured by crushing of hard and durable stone into desired gradation of designed proportion.	5443.2			5443.2	5976			5976	11419.20	CuM	1726.83	19719017.14
Total Schedule - B---Rs.													52314917.14	
		<b>Schedule-C-SCR-USSR-2021 Items</b>												
	085010	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.												
1	085015	When distance of nearest quarry is more than 20 km and up to 30 km					3134			3134	3134.00	CuM	1032.18	3234852.12
1	085015	When distance of nearest quarry is more than 40 km and up to 50 km	3628.8			3628.8				0	3628.80	CuM	1118.48	4058740.22
Total Schedule - C---Rs.													7293592.34	
		<b>Schedule-D-SCR-USSR-2021 Items</b>												
	171010	Loading of rails of any section and length up to 13 metres in Wagons / Truck / trailer including lead up to 50 metres and lift up to 5 metres.												
1	171014	In Wagon where mechanical handling is possible and traffic block is not required or in Truck/trailer.	250.00			250	300			300	550.00	MT	105.42	57981.00
	171020	Loading of tongue rail, stock rail, switch assembly and crossings of any section and length, SEJ, Glued joint etc. with / without P.Way fittings and fastenings, in Wagon / Truck / trailer including lead up to 250 metre and lift up to 5 metre.												
2	171024	In Wagon where mechanical handling is possible and traffic block is not required or in Truck/trailer.	250.00			250	300			300	550.00	MT	104.31	57370.50
	171030	Loading, leading and unloading of 52Kg / 60Kg rail upto 13 metre length by Railway's Rail Dolly/ Dip Lorry to the nominated location under traffic with line protection in case road carriage is not possible with different lead with a lift up to 5 metre during block period.												
3	171031	For lead up to 500 metre.	250.00			250	300			300	550.00	MT	331.77	182473.50
4	171032	For lead beyond 500 metre and up to 1 Km.	250.00			250	300			300	550.00	MT	427.47	235108.50
5	171034	Extrapolation. 171031 and 171032 with contractor's Rail Dolly/ Dip Lorry	250.00			250	300			300	550.00	MT	11.44	6292.00
	172030	Loading, leading and unloading of PSC Sleepers of 52Kg / 60Kg by Railway's Rail Dolly/ Dip Lorry to the nominated location under traffic in case road carriage is not possible for different leads and lift up to 5 metres.												
6	172031	For lead up to 500 metres	700.00			700	1506.4			1506.4	2206.40	MT	258.22	569736.61
	173030	Collection, segregation and stacking of various scattered P.Way materials at nominated stacking location with serviceable and un-serviceable ones separately within a lead up to 500 metre and lift up to 5 metre including crossing of track(s) wherever necessary as directed by Engineer-in- Charge.												
7	173031	Rails, switches, crossings, SEJ, Glued Joints, Check Rails etc.	250			250	300			300	550.00	MT	329.10	181005.00
8	173032	All type of PSC sleepers	677			676.5	1510			1510	2186.50	MT	359.40	785828.10
9	173033	P.Way fittings of all types and other similar loose items	20			20	20			20	40.00	MT	333.41	13336.40
	172050	Transportation of Rails, sleepers, switches, crossings, SEJs and Glued Joints by road vehicles for different leads. Note: 1. Lead shall be the shortest motorable road length between the points of loading and unloading. 2. Loading and unloading shall be paid extra under relevant items.												
10	172051	Lead up to 5 Km	300			300	450			450	750.00	MT	52.20	39150.00
11	172052	Lead beyond 5 Km and up to 10 km	300			300	450			450	750.00	MT	95.53	71647.50
12	172053	Lead beyond 10 Km and up to 20 km	300			300	450			450	750.00	MT	155.10	116325.00
13	172054	Lead beyond 20 Km and up to 30 km	300			300	450			450	750.00	MT	228.39	171292.50
14	172055	Lead beyond 30 Km and up to 50 km	300			300	450			450	750.00	MT	331.13	248347.50
15	172056	Lead beyond 50 Km and up to 100 Km	300			300	450			450	750.00	MT	556.85	417637.50

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16	172057	Lead beyond 100 Km and up to 150 Km	300			300	450			450	750.00	MT	892.86	669645.00
17	172058	Extra for every Km per MT beyond 150 Km over item no. 172057	15000			15000	22500			22500	37500.00	MT Km	3.42	128250.00
	172040	Loading, leading and unloading of all types of P.Way fittings and all other miscellaneous material except Rails, sleepers, switches, crossings, SEJs and Glued Joints by road vehicles for different leads. Note: Lead shall be the shortest motorable road length between the points of loading and unloading.												
18	172041	Lead up to 5 Km	10			10	10			10	20.00	MT	150.99	3019.80
19	172042	Lead beyond 5 Km and up to 10 km	10			10	10			10	20.00	MT	194.32	3886.40
20	172043	Lead beyond 10 Km and up to 20 km	10			10	10			10	20.00	MT	253.88	5077.60
21	172044	Lead beyond 20 Km and up to 30 km	10			10	10			10	20.00	MT	327.18	6543.60
22	172045	Lead beyond 30 Km and up to 50 km	10			10	10			10	20.00	MT	429.92	8598.40
23	172046	Lead beyond 50 Km and up to 100 Km	10			10	10			10	20.00	MT	655.64	13112.80
24	172047	Lead beyond 100 Km and up to 150 Km	10			10	10			10	20.00	MT	991.65	19833.00
25	172048	Extra for every Km per MT beyond 150 Km over item no. 172047	500			500	500			500	1000.00	MT Km	3.42	3420.00
											Total Schedule - D---Rs.			4014918.21
		<b>Schedule-E-SCR-USSR-2021 Items</b>												
	211201	JCB Backhoe Loaders 3DX Plus or similar with minimum 1.10 cum bucket capacity	200			200	200			200	400.00	Hours	870.14	348056.00
	211202	Hydra or similar tyre mounted Pick-n-Carry crane of 12T capacity for misc. works of handling of material	200			200	200			200	400.00	Hours	836.21	334484.00
	211203	Tractor with Trolley for local transportation or other misc. works.	200			200	200			200	400.00	Hours	200.69	80276.00
											Total Schedule - E---Rs.			762816.00
											Total			68522690.36
		<b>Schedule 'F' (DSR 2023 General Items)</b>												
	2.6.1	All kinds of soil		422.5		422.5		422.5		422.5	845	Cum	177.50	149987.50
	2.8.1	All kinds of soil.		504		504		504		504	1008	Cum	260.30	262382.40
	2.10.1.1	Pipes, cables etc, not exceeding 80 mm dia.		110		110		110		110	220	m	215.60	47432.00
	2.10.1.2	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia		110		110		110		110	220	m	352.12	77466.40
	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.		467.5		467.5		467.5		467.5	935	Cum	196.00	183260.00
	2.25a	Excavating, supplying and filling of local earth (including royalty) by mechanical transport up to a lead of 5 km, also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc., complete.		318.1		318.1		318.1		318.1	636.2	Cum	700.50	445658.10
	2.26.1	All kinds of soil.		357		357		357		357	714	Cum	126.80	90535.20
	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.		219.4		219.4		219.4		219.4	438.8	Cum	2123.75	931901.50
	2.28.1	All kinds of soil.		708		708		708		708	1416	Sqm	34.15	48356.40
	4.3.1	Foundations, footings, bases for columns.		126	100	226		126	400	526	752	Sqm	392.15	294896.80
	4.10	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (Zone III) derived from natural sources : 4 graded stone aggregate 12.5mm nominal size derived from natural sources).		64		64		64		64	128	Sqm	410.85	52588.80
	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete		402		402		402		402	804	Sqm	392.15	315288.60
	5.9.3	Suspended floors, roofs, landings, balconies and access platform		498		498		498		498	996	Sqm	927.25	923541.00
	5.9.4			12		12		12		12	24	Sqm	927.25	22254.00
	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers		686		686		686		686	1372	Sqm	736.40	1010340.80
	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts		275		275		275		275	550	Sqm	961.30	528715.00
	5.9.7	Stairs, (excluding landings) except spiral-staircases		11.2		11.2		11.2		11.2	22.4	Sqm	764.95	17134.88
	5.9.16.1	Under 20 cm wide		187		187		187		187	374	m	208.55	77997.70
	5.9.19	Weather shade, Chajjas, corbels etc., including edges		63.5		63.5		63.5		63.5	127	Sqm	951.10	120789.70
	5.11.1	Suspended floors, roofs, landing, beams and balconies (Plan area to be measured)		528		528		528		528	1056	Sqm	384.30	405820.80
	6.1.2			3		3		3		3	6	Sqm	7132.25	42793.50

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			Track Items	RBG+ Goompty	Bridge	Total	Track Items	RBG+ Goompty	Bridge	Total				
	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)		11		11		11		11	22	Cum	9105.95	200330.90
	6.3.2	With Modular bricks.		5		5		5		5	10	Cum	8942.35	89423.50
	6.13.2	Cement mortar 1:4 (1 cement :4 coarse sand)		50		50		50		50	100	Sqm	1123.80	112380.00
	6.47	Providing and laying autoclaved aerated cement blocks masonry with 150mm/230mm/300 mm thick AAC blocks in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for seperately).		108		108		137.4		137.4	245.4	Cum	8333.65	2045077.71
	7.1.1	Cement mortar 1:6 (1 cement : 6 coarse sand).		181.2		181.2		181.2		181.2	362.4	Cum	7311.25	2649597.00
	8.2.2.1	Area of slab upto 0.50 sqm		7.8		7.8		7.8		7.8	15.6	Sqm	5413.50	84450.60
	8.2.2.2	Area of slab over 0.50 sqm		24.8		24.8		24.8		24.8	49.6	Sqm	5136.30	254760.48
	8.31	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.		118.5		118.5		118.5		118.5	237	Sqm	1267.95	300504.15
	9.1.1	Second class teak wood		1.075		1.075		1.075		1.075	2.15	Cum	142949.70	307341.86
	9.5.1.1	35 mm thick shutters		18		18		18.00		18	36	Sqm	4111.95	148030.20
	9.7.1	Second class teak wood		16.56		16.56		16.56		16.56	33.12	Sqm	3323.20	110064.38
	9.7.8	Fly proof stainless steel grade 304 wire gauge with 0.5 mm dia. wire and 1.4mm wide aperture with matching wood beading		44.2		44.2		44.2		44.2	88.4	Sqm	1800.45	159159.78
	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.		16.6		16.6		16.6		16.6	33.2	Sqm	2392.65	79435.98
	9.21.2	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.		12		12		15.6		15.6	27.6	Sqm	2172.10	59949.96
	9.22.1	On one side only.		24.6		24.6		21		21	45.6	Sqm	478.00	21796.80
	9.53	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).		65.2		65.2		65.2		65.2	130.4	No.	228.85	29842.04
	9.57.1			7.2		7.2		7.2		7.2	14.4	No.	55.75	802.80
	9.62.1	300x16 mm		30.8		30.8		30.8		30.8	61.6	No.	216.55	13339.48
	9.63.1	250x10 mm		30.8		30.8		30.8		30.8	61.6	No.	83.90	5168.24
	9.66.1	125 mm		33.8		33.8		33.8		33.8	67.6	No.	39.95	2700.62
	9.84	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.		4.6		4.6		4.6		4.6	9.2	No.	983.15	9044.98
	9.101.2	Twin rubber stopper		14.4		14.4		14.4		14.4	28.8	No.	72.35	2083.68
	9.119	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer-in-Charge.		11		11		11		11	22	m	492.70	10839.40
	9.120.2	30 mm thick pre laminated PVC door shutters		4		4		4		4	8	Sqm	3663.80	29310.40
	9.147d.3			8.64		8.64		8.64		8.64	17.28	Sqm	11919.85	205975.01
	11.3.1	40 mm thick with 20 mm nominal size stone aggregate		80		80		80		80	160	Sqm	614.20	98272.00
	11.20.2			38.4		38.4		38.4		38.4	76.8	Sqm	1328.35	102017.28
	11.21.1.1	Acid and alkali resistant tile.		172.4		172.4		172.4		172.4	344.8	Sqm	1738.15	599314.12
	11.21.2.1	Acid and alkali resistant tile.		36.5		36.5		36.5		36.5	73	Sqm	1884.90	137597.70

S.No.	Item No.	Description of the Item	SW-I GNP Quantity				SW-II NSKL Quantity				Total	Unit	Rate	Amount
			Track Items	RBG+ Goompty	Bridge	Total	Track Items	RBG+ Goompty	Bridge	Total				
	11.26.1	25 mm thick.		80		80		80		80	160	Sqm	1948.25	311720.00
	11.37	Providing and laying Ceramic glazed floor tiles of size 300x300 mm(thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement :4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigment etc.,,, complete.		8		8		8		8	16	Sqm	1096.55	17544.80
	11.37a	Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer ) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kgper sqm including pointing in white cement mixed with pigment of matching shade complete.		10		10		10		10	20	Sqm	1112.70	22254.00
	11.41.2	Size of Tile 600x600 mm		89.6		89.6		89.6		89.6	179.2	Sqm	1553.45	278378.24
	11.41a.2.2	Size of Tile 600 x 1200 mm		70		70		70		70	140	Sqm	1798.80	251832.00
	11.46.2	Size of Tile 600x600 mm		24.5		24.5		24.5		24.5	135.29	Sqm	1623.05	219582.43
	11.56.1	Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent		25		25		25		25	18.1	Sqm	4481.30	81111.53
	12.41.2	110 mm diameter		92		92		92		92	184	m	377.40	69441.60
	12.42.5.2	110 mm bend		28.8		28.8		28.8		28.8	57.6	Nos	150.35	8660.16
	12.42.6.2	110 mm Shoe		16.8		16.8		16.8		16.8	33.6	Nos	131.85	4430.16
	12.43.2	110 mm		79.2		79.2		79.2		79.2	158.4	Nos	371.30	58813.92
	12.44	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.		16.8		16.8		16.8		16.8	33.6	Nos	54.70	1837.92
	12.45.3	12.5 mm thick tapered edge gypsum moisture resistant board.		150		150		150		150	300	Sqm	1529.30	458790.00
	12.50	Providing and fixing precast galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin- charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.		80		80		80		80	160	Sqm	738.65	118184.00
	13.4.2			195		195		195		195	390	Sqm	343.65	134023.50
	13.5.2			105		105		105		105	210	Sqm	395.35	83023.50
	13.11	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement: 5 coarse sand) finished with a top layer 6mm thick cement plaster 1:6 (1 cement: 6 fine sand).		1680		1680		1680		1680	3357.1	Sqm	518.55	1740824.21
	13.20			105		105		105		105	210	Sqm	829.95	174289.50
	13.33.1			33		33		33		33	66	Sqm	385.40	25436.40
	13.41.1			216		216		216		216	272.02	Sqm	185.65	50500.51
	13.44.1	New work (Two or more coats applied @ 3.84 kg/10 sqm).		1279		1279		1279		1279	2558	Sqm	116.90	299030.20
	13.45.1	New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @2.20kg/10 sqm.		560		560		560		560	1120	Sqm	223.60	250432.00
	13.48.1	Two or more coats applied on walls @ 1.25 ltr/10 sqm. over and including one coat of Special primer applied @ 0.75 ltr / 10sqm		200		200		200		200	400	Sqm	193.70	77480.00
	13.48.2	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/ 10 sqm of approved brand or manufacture		28		28		28		28	56	Sqm	176.25	9870.00
	13.61.1	Two or more coats on new work.		81		81		81		81	162	Sqm	155.90	25255.80

S.No.	Item No.	Description of the Item	SW-I GNP Quantity				SW-II NSKL Quantity				Total	Unit	Rate	Amount
			Track Items	RBG+ Goompty	Bridge	Total	Track Items	RBG+ Goompty	Bridge	Total				
	13.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.		446		446		446		446	892	Sqm	156.05	139196.60
	15.2.1	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)		28		28		28		28	56	Cum	2434.25	136318.00
	15.3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.		60		60		60		60	120	Cum	3551.25	426150.00
	15.7.4	In cement mortar		80		80		80		80	160	Cum	2060.20	329632.00
	15.9.2	In cement mortar		40		40		40		40	80	Cum	2458.95	196716.00
	15.23.1	For thickness of tiles 10 mm to 25 mm		280		280		280		280	560	Sqm	73.40	41104.00
	15.60	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.		490		490		490		490	980	Cum	263.95	258671.00
	17.2.1	W.C. pan with ISI marked white solid plastic seat and lid		1		1		1		1	2	No.	6515.55	13031.10
	17.4.1	One urinal basin with 5 litre white P.V.C. automatic flushing cistern		1		1		1		1	2	No.	6258.75	12517.50
	17.7.2	White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap		11		11		11		11	22	No.	2226.35	48979.70
	17.28.1.1	32 mm dia		1		1		1		1	2	No.	103.90	207.80
	17.29	Providing and fixing 100 mm sand cast Iron grating for gully trap.		1		1		1		1	2	No.	53.25	106.50
	17.32.2	Rectangular shape 453x357 mm		1		1		1		1	2	No.	1361.80	2723.60
	17.73.1	450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm, weighing not less than 170 gms.		1		1		1		1	2	No.	673.40	1346.80
	18.10.1	15 mm dia. nominal bore		70.00		70		70		70	140	Mtr	366.40	51296.00
	18.10.2	20 mm dia. nominal bore		50.00		50		50		50	100	Mtr	437.30	43730.00
	18.10.3	25 mm dia. nominal bore		40.00		40		40		40	80	Mtr	551.70	44136.00
	18.10.6	50 mm dia. nominal bore		40.00		40		40		40	80	Mtr	1048.35	83868.00
	18.16.1	Providing and fixing brass stop cock of approved quality :15 mm nominal bore		12.00		12		12		12	24	NoS	353.25	8478.00
	18.16.2	Providing and fixing brass stop cock of approved quality :20 mm nominal bore		6.00		6		6		6	12	NoS	379.20	4550.40
	18.17.1	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 25 mm nominal bore		6.00		6		6		6	12	NoS	622.40	7468.80
	18.17.4	50 mm nominal bore		6.00		6		6		6	12	No.	1026.65	12319.80
	18.21.2.1	15 mm nominal bore		2		2		2		2	4	No.	97.75	391.00
	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.		4000		4000		4000		4000	8000	Ltr	11.00	88000.00
	18.54.1	15mm nominal bore, 86 mm long. Weighing not less than 88 gms.		2		2		2		2	4	No.	125.60	502.40
	19.1.1	100 mm diameter		40		40		40		40	80	m	443.60	35488.00
	19.1.2	150 mm diameter		40		40		40		40	80	m	695.80	55664.00
	19.7.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5		0.8		0.8		0.8		0.8	1.6	No.	12770.55	20432.88
	21.1.1.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)		45		45		45		45	90	Kg	530.90	47781.00
	21.1.2.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)		100		100		100		100	200	Kg	634.45	126890.00
	21.3.1	With float glass panes of 4.0 mm thickness (weight not less than 10 kg/sqm)		40.2		40.2		40.2		40.2	80.4	Sqm	1176.80	94614.72
	21.8.1			45		45		45		45	90	Sqm	96.75	8707.50
	23.5	Supplying, filling, spreading & leveling stone boulders of size range 5 cm to 20 cm, in recharge pit, in the required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.		2.2		2.2		2.2		2.2	4.4	Cum	1509.80	6643.12
	23.6	Supplying, filling, spreading & leveling gravels of size range 5 mm to 10 mm, in the recharge pit, over the existing layer of boulders, in required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.		2		2		2		2	4	Cum	1538.25	6153.00



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S.No.	Item No.	Description of the Item	SW-I GNP Quantity				SW-II NSKL Quantity				Total	Unit	Rate	Amount
			Track Items	RBG+ Goompty	Bridge	Total	Track Items	RBG+ Goompty	Bridge	Total				
		<b>Schedule 'K' SCR-USSR-2021-ITEMS)</b>												
	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 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.												
	022011	All kinds of soils			800	800			3600	3600	4400	CuM	189.63	834372.00
	022012	Soft rock (not requiring blasting)			200	200			900	900	1100	CuM	387.7	426470.00
	022013	Hard rock (requiring blasting)			200	200			900	900	1100	CuM	708.17	778987.00
	022070	Providing and fixing Weep Holes in Abutments, Wing walls and Return walls etc., of new bridges with 110mm dia UPVC pipe Type A ISI marked with all contractor's men, material, transportation, all taxes as per specifications and as directed by Engineer-in-Charge.			25	25			100	100	125	Meter	231.77	28971.25
	025010	Deduct if Plasticiser has not been used in Design Mix Concrete of any grade as per approved mix design or use of 40mm graded stone aggregate in place of 20mm graded stone aggregate in any grade of concrete. Note: Deduction to be made for quantity of concrete.												
	025012	Deduction for using 40mm graded stone aggregate in place of 20mm graded stone aggregate in any grade of concrete.			220	220			820	820	1040	CuM	-183.97	-191328.80
	025020				250	250			1790	1790	2040	CuM	165.97	338578.80
	025030	Centering and shuttering including strutting, propping etc. and removal of form for :												
	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			910	910			4990	4990	5900	SqM	605.99	3575341.00
	025020	Providing and applying two coats of coal tar or bitumen confirming 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.									0	SqM	165.97	0.00
	051030	Supplying of stone boulders weighing not less than 35 kg each at specified bridge locations.			60	60			150	150	210	CuM	1003.45	210724.50
	051060	Providing and laying Pitching with Stone Boulders, weighing not less than 35kg each with voids filled with spalls on slopes, laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and Technical Specifications (filter media to be paid separately under the relevant item).			60	60			150	150	210	CuM	1528.47	320978.70
	052020	Providing and laying 300mm thick (average) Dry Stone flooring with boulders of not less than 35kg each in weight, hand packed with surface levelled off to the correct section with hammer dressing as necessary on the ground including filling the gaps with quarry spalls and ordinary sand complete including cost of supply of all materials, labour, lead, lift, tools, plants, crossing of tracks and the like as per drawing and technical specification as directed by Engineer in charge.			60	60			150	150	210	CuM	1940.44	407492.40
	052200	Painting the HFL mark and Danger level mark, year of HFL on bridge abutments and piers with ready mixed paint as per standard in two coats over one coat of primer with all materials, labour, tools, scaffolding, all lead and lift etc. including writing complete.			2	2			8	8	10	Each	258.36	2583.60
	052210	Providing cast in situ bridge number plaques as per Railway drawing in cement concrete 1:2:4 mix using 20mm hard stone aggregate embedded in 30mm notch in Bridge parapet coping duly engraving the letter and figures and an arrow indicating the direction of flow and finishing the top exposed surface with cement mortar 1:3, painting letters and figures with two coats of black enamel paint on two coats of white background with all labour, tools, cement, paint etc. with all leads and lifts.			2	2			8	8	10	Each	744.16	7441.60

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S.No.	Item No.	Description of the Item	SW-I GNP Quantity				SW-II NSKL Quantity				Total	Unit	Rate	Amount
			Track Items	RBG+ Goompty	Bridge	Total	Track Items	RBG+ Goompty	Bridge	Total				
		Schedule 'M' SCR-USSR-2021-ITEMS)												
	025080	Supply of steel reinforcement of approved brands/makes for R.C.C. work including straightening, cutting, bending, placing in position and binding al complete.												
	025082	Thermo-Mechanically Treated bars of grade Fe-500D or more of approved brands/makes.			13500	13500			141750	141750	155250	Kg	98.27	15256417.50
		Total of Schedule 'M'												15256417.50
		Schedule 'N' SCR-USSR-2021-ITEMS)												
	025070	Supply and using Cement at Worksite												
	025072	Ordinary Portland Cement 53 grade of approved brands/makes			116.45	116.45			735.9	735.9	852.35	MT	7258.31	6186620.53
		Total of Schedule 'N'												6186620.53
		TOTAL SCHEDULE VALUE ----(A+B+C+D+E+F+G+H+I+J+K+L+M+N)---Rs.												134989919.41

TOTAL TENDER VALUE-----Rs. 13,49,89,919.41/-

CONTRACTOR

DEN / CENTRAL / SC