

NORTH WESTERN RAILWAY
TENDER SCHEDULE

Tender No. : ENGG/JP/2026-27/57

Name of work: ADEN-HQ/II Sub Division: - Yard remodeling of Kanauta Station in connection with the longer loop.

RATE SHEET

I/we hereby agree and abide to do the work for Schedule 'A' (IRUSSOR-2021 items) , Sch-B DSR 2023 and Sch C (NS) Items

S. No.	Schedule	Reference of chapters of DSR,IRUSSOR /NS items	Total Amount (Rs.)	Rate to be quoted by the tenderer both	
				in fig	in words
1	2	3	4	5	6
1.	A	IRUSSOR -2021 Items	14255988.39		
2.	B	DSR 2023	14555623.08		
3.	C	NS	622611.60		

Note:-

2. Rates are to be quoted schedule wise only no separate % rate to be quoted for Schedule 'A' (IRUSSOR-2021 items) , Sch-B DSR 2023 and Sch C (NS) Items

Signature of tenderer/s

Divl. Rly. Manager (WA)/Jaipur
For & on the behalf of President of Union of India.

NORTH WESTERN RAILWAY
TENDER SCHEDULE

Tender No. : ENGG/JP/2026-27/57

Name of work: ADEN-HQ/H Sub Division:- Yard remodeling of Kanauta Station in connection with the longer loop.

Sch A USSOR 2021

S. No.	IRUSS OR No.	Description of work	Unit	Rate	Qty.	Amount
1.	2.	3.	4.	5.	6.	7.
	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. Note: Foundation preparation, Benching including additional earthwork on account of this, wherever required, shall be paid extra under relevant schedule item for benching. Payment for Earthwork under this item shall be made based on the cross section measurements calculated (i) with original ground profile of existing bank based on initial ground levels before doing benching and (ii) final profile of the bank worked out with final levels as per				
1.	011032	Using Soil Class SQ2	Cum	227.72	10000	2277200.00
	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 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: 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. (i) All hard rock /and boulders not fit for filling will be stacked by the contractor and will be property of the Railways. (ii) Cut trees shall be property of Railways and to be deposited in the				
2.	012011	In all conditions and classifications of soil except rock	Cum	107.39	2500	268475.00
3.	012040	Manufacturing of blanketing material by wet mixing of naturally available suitable soil including additional blending with naturally available or manufactured material as required to achieve specified gradation, 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.	Cum	754.31	2400	1810344.00

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S. No.	IRUSS OR No.	Description of work	Unit	Rate	Qty.	Amount
1.	2.	3.	4.	5.	6.	7.
	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	TRM	48.05	100	4805.00
	065030	Assembling and Laying of Improved Switch Expansion Joint (SEJ) on PSC sleepers of any rail section as per RDSO drawing including leading of SEJ rails, sleepers, fittings for a free lead of 250 metres, cutting of rails, drilling of holes as required and lubrication of SEJ, gauging, aligning rails, providing temporary connection with adequate welding gap with adjoining rails, providing reference posts at SEJ, first through packing of SEJ portion to make track geometry fit for 30 kmph speed and making ballast profile as per IRPWM. Note:Rail cutting and hole drilling shall be paid separately. One set comprise complete SEJ on both rails at SEJ.				
5.	065032	Under Traffic Block Conditions	Set	7900.25	4	31601.00
	071010	Under Traffic Block: Dismantling of existing BG turnouts, diamond crossings and derailling 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 & all lift, clear of infringements, crossing of track, if any complete, as directed. Note: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. 1. Rail cutting will be paid extra under relevant item. 2. Laying of new turnout or plain track on prepared ballast bed, as required, shall be paid separately under relevant item.				
6.	071011	1 in 8½ Turnout (Under Traffic Block)	Set	32356.02	3	97068.06
7.	071030	Dismantling the existing BG Buffer-stop laid with rails & wooden/ST sleepers including leading the dismantled Buffer stop materials to nominated places within station yard limits and stacking as material- wise and classification-wise duly releasing all fittings carefully without causing any damage with all contractor's labour, tools, with all lead and lifts, crossing of tracks if any, etc., complete as directed by the Engineer-in-charge.	Set	4704.19	1	4704.19
	072040	Laying and linking of turnouts of all types including diamond crossings & Derailling 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 all 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.				
8.	072042	1 in 12 Turnouts	Set	52614.73	6	315688.38
9.	072046	Derailling Switch	Set	10272.35	1	10272.35
10.	083030	Boxing and profiling of ballast as per procedure prescribed in latest edition of IRPWM including cess dressing on both sides of track. The work will include removing excess ballast from track and putting the same in crib and shoulder by leading to a maximum of 50m including crossing of track, dewatering on ballast section etc and as directed by Engineer-In charge.	TRM	28.14	1000	28140.00
11.	084010	Loading Railway's ballast, collected at yard / depot into Railway's BOB / BKH / any other type of open wagon, using Mechanical Loader or any other method with all lead and lifts, as directed by Engineer in-charge.	Cum	41.37	2550	105493.50

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S. No.	IRUSS OR No.	Description of work	Unit	Rate	Qty.	Amount
1.	2.	3.	4.	5.	6.	7.
	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.				
12.	084042	Under Conditions not requiring Traffic Block:	Cum	42.64	2550	108732.00
	092020	25mm gap 'in-situ' welding during traffic block using Railway's welding portion and finishing of weld to meet the prescribed tolerances and pass all stipulated tests with all required labour, materials, consumables, tools, equipments etc. to complete the work in all respect as per IR's "Manual for Fusion Welding of Rails by Alumino - Thermic Process" with latest correction slips, including marking of welded joint, painting weld collar with anticorrosive paint, restoration of track near weld joint to original position and fixing of joggled fish plate at new weld, to be removed after passing of weld in USFD test as directed by Engineer in charge. Note:Welding portion and related accessories as per Annexure - I shall be supplied by Railways. All other items required shall be supplied by the Contractor. 1. Welding shall be carried out only by trained welder having valid competency certificate. 2. Hydraulic Weld trimmer shall be used for chipping and profile Grinder for finishing. 3. Required nos. of Joggled fish plates shall be supplied by Railway at				
13.	092021	For 60 Kg Rail, Single shot crucible fitted with Automatic Tapping Thimble , 3 pieces Mould (Zircon washed) and Compressed Air Petrol/LPG pre heating technique	Each	2079.91	85	176792.35
14.	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 all 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.				
15.	122016	For rails/panels of more than 40m length - Under Conditions not requiring Traffic Block	RM	32.90	2000	65800.00
	123020	Installation of reference points for track centre line in main and loop lines, in straight or curve portion, SRJ for turnouts, heel of crossing (HOC), locations of derailing switches, switch expansion joints etc. away from formation on firm ground at known offset with MS Angles of 50mmx50mmx5mm thick of length 1.80 m each, founded in concrete block of size 30cm x 30cm x 45cm of nominal mix 1:3:6, including painting to reference pegs with two coats of enamel paints on exposed surface, as directed by Engineer In charge. Note: Earth work and Cement concrete will be paid under relevant	Each	767.47	20	15349.40
16.	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	44.93	2550	114571.50

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S. No.	IRUSS OR No.	Description of work	Unit	Rate	Qty.	Amount
1.	2.	3.	4.	5.	6.	7.
	123040	Linking of BG track (except at LC, Bridges and SEJs) with any type of rail section and sleeper of specified density, on ballast bed spread and compacted with suitable roller, over prepared formation including leading free rails/welded panels available along the alignment on to formation, leading and spreading all fittings and fastenings, spreading of sleepers at specified spacing, squaring, placing of rails over sleepers and fixing rails to sleepers with all types of fittings and fastenings to correct gauge & alignment, lubrication of fittings and fastenings with contractor's grease as per IRPWM standards with contractors labour, tools, consumables, with all lead, lifts etc. complete and raising, levelling and initial packing of track to make it fit for 30 kmph and meet other prerequisites prescribed in Indian Railway Track Machine Manual for deployment of Tamping Machine. Note: Rail cutting and Hole drilling shall be paid separately. 1. Spreading of ballast and compaction shall be paid separately under relevant item.				
17.	123041	For sleeper density of 1660 sleepers per km	TRM	299.09	1000	299090.00
18.	123060	Linking of BG track (with guard rail) over ballasted deck bridges with any type of rail section and PSC sleeper including leading free rails/welded panels available along the alignment on to bridge, leading and spreading all fittings and fastenings, leading & spreading of sleepers at specified spacing, squaring, placing of rails over sleepers and fixing rails & guard rails to sleepers with all types of fittings and fastenings to correct gauge & alignment, lubrication of fittings and fastenings with contractor's grease as per IRPWM standards with contractors labour, tools, consumables, with all lead, lifts etc. complete and raising, levelling and initial packing of track to make it fit for 30 kmph and meet other prerequisites prescribed in Indian Railway Track Machine Manual for deployment of Tamping Machine. Note: Rail cutting and Hole drilling shall be paid separately. 1. Spreading of ballast and compaction shall be paid separately under relevant item. This item shall be applicable only when track is with Guard Rail. Linking without guard rail be paid under relevant item for plain track linking.	TRM	446.30	20	8926.00
19.	123080	Carrying out cut & connection to the existing PSC sleeper track under line block of any rail section and sleeper density to connect the same to newly linked track which is laid by the side, duly carrying out cutting of rails, insertion of additional PSC sleepers, if required, providing fish plated joints including drilling of holes, slewing required length of both tracks to prescribed alignment, adjusting sleeper spacing, providing continuity to track, spreading of ballast to provide cushion, shoulder ballast to the track stretch, giving one round of initial packing to make track fit for 20 kmph speed and boxing of ballast to profile as directed by Engineer in charge.	Each	67711.42	6	406268.52
20.	124010	Construction of Sanded Dead End as per RDSO's Drawing no. RT- 347 (with all amendments) with brick-work using country bricks or CC bricks in mud mortar and filling with river coarse sand, surrounding rails and filling around. Note: Cost of brick and sand is not included in the rate.	Each	11719.00	1	11719.00
	135010	De-stressing of LWR/CWR track of any density under traffic line block with contractor's labours, tools, equipments and consumables inclusive of all lead & lift. Activities include cutting of LWR/CWR into convenient panels of specified length, removal of ERCs, liners, greasing of ERCs and liner contact area, lifting rails and keeping them on rollers provided at every 15 sleepers, working out elongation of rail ends depending on prevailing site conditions, pulling rails with the help of Hydraulic Tensor to achieve the desired elongation, cutting rails, as required, removing rollers and placing rail in position, re-fixing ERCs & liners and adjustment of gap at SEJs :Note: Welding of rail joints will be paid separately. (1) Rail cutting and Hole drilling shall be paid separately. (2) Opening and closing of LC if required will be paid separately. (3) As per procedure prescribed in latest edition of IRPWM & CE's Circulars for destressing of LWR/CWR, if any.				

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1.	2.	3.	4.	5.	6.	7.
21.	135013	Without Rail tensor	TRM	42.59	1700	72403.00
	136010	Fixing Joggled Fish Plates with bolt / clamp (supplied by Railway from nearest SSE Store) in running track conditions at welds on rail, as directed by engineer in-charge (drilling of holes in rail, if required, shall be paid separately).				
22.	136013	With Clamps	Set	166.97	10	1669.70
23.	136120	Making kutchra trapezoidal side drain of bottom width as 300mm and depth of 450mm in cutting section by excavation in all types of soil including utilising excavated muck for dressing of cess, slopes etc. in Railway land.	RM	136.47	1000	136470.00
	137010	Anti-corrosive painting of rail outside track on rail bottom, web, foot and fishing plane with two coats of thickness of 100 microns each by bituminous black paint confirms to IS-9862 of reputed make including surface preparation, as a complete job as per procedure prescribed in latest edition of IRPWM.				
24.	137011	For 60 Kg Rails	RM	57.49	2125	122166.25
	155010	Carrying out pre-tamping, during tamping and post-tamping work for tamping track with all types of rails, sleepers & sleeper density by various Track Tamping machines, like CSM,DUO/3X Machines which include : (1) Re-adjustment of ballast, heaping-up of ballast, filling-up of cavities in tamping zone by picking ballast from stacks / shoulders / crib of adjoining track up to lead of 50 m to ensure effective packing; (2) Clearing of ballast on sleepers to make them visible to operator, (3) Clearing of ballast over rail foot to facilitate holding of rail by rollers of TTRM; (4) Digging, screening and replenishment of ballast at mud pumping / rounded ballast in sleeper crib location; (5) Tightening of loose fittings immediately before & after tamping; (6) Replacement of broken / missing fittings supplied by Railway; (7) Correcting displaced sleepers to position along with squaring;				
		Removing and re-fixing joggled fish plates & wooden blocks, wherever necessary; Manual consolidation of ballast in crib / shoulders; Removing and refixing of traction bonds during the block in electrified sections Dressing of ballast Note: Tamping blocks are not identical & it may be given at any time either during day or night. Stages of payment a) 30% of the rate will be paid on completion of pre tamping attention, b) Balance 70% of the rate will be paid on completion of post tamping. Recovery at the rate of twice the above applicable rate will be affected in case contractor fails to carry out pre/during/post operation. 4. Payment shall be made only once in irrespective of numbers of TTRM packing round and after restoration of normal speed and restoration of complete ballast profile.				
25.	155013	New Line Section, not opened for traffic	TRM	11.05	1000	11050.00

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S. No.	IRUSSO R No.	Description of work	Unit	Rate	Qty.	Amount
1.	2.	3.	4.	5.	6.	7.
	156010	Carrying out pre-tamping, during tamping and post-tamping works for tamping of Turnouts of all types Under Traffic Block Conditions which include : (1) Re-adjustment of ballast, heaping-up of ballast, filling-up of cavities in tamping zone by picking ballast from stacks / shoulders / crib of adjoining track up to lead of 50 m to ensure effective packing; (2) Clearing of ballast on sleepers to make them visible to operator; (3) Clearing of ballast over rail foot to facilitate holding of rail by rollers of UNIMAT; (4) Digging, screening and replenishment of ballast at mud pumping / rounded ballast in sleeper crib location; (5) Tightening of loose fittings including check rails immediately before & after tamping; (6) Replacement of broken / missing fittings supplied by Railway; (7) Correcting displaced sleepers to position along with squaring; (8) Re-setting worked-out / fallen fittings; (9) Removing and re-fixing joggled fish plates & wooden blocks, OHE bonds & other obstructions, wherever necessary ; (10) Removing and re-fixing stretcher bar, as directed; (11) Adjustment in opening and housing of switch for testing				
26.	156012	1 in 12 Turnouts (Under Traffic Block Conditions)	Set	11639.19	6	69835.14
27.	156015	Derailing Switch (Under Traffic Block Conditions)	Set	3655.41	1	3655.41
	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)				
28.	161011	60 Kg - 110/90 UTS - Outside Track	Each	219.76	85	18679.60
	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.				
29.	161041	Outside Track	Each	50.01	170	8501.70
	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.				
30.	171024	In Wagon where mechanical handling is possible and traffic block is not required or in Truck/trailer.	MT	123.98	9	1115.82
	171040	Loading, unloading and hauling of 52Kg / 60Kg rail more than 13 metre and up to 39 metre length by Railway's Rail Dolly / Dip Lorry to the nominated location under traffic and line protection in case road carriage is not possible for different leads and lift up to 5 metre.				
31.	171041	For lead up to 500m	MT	463.74	4	1854.96
32.	171042	For lead beyond 500 metre and up to 1 Km	MT	675.16	9	6076.44
33.	171043	Extra to Items no. 171042 for lead beyond 1 Km for every subsequent Km or part thereof and up to 10 Km	MT	84.44	114	9626.16
34.	171044	Extra to Item no. 171041 and 171042 with contractor's Rail Dolly / Dip Lorry	MT	24.14	13	313.82
	172010	Loading of 52kg / 60kg PSC normal line and special sleepers up to 2.75 metre length in Depot / Station / Mid-section between stations in a neat manner to departmental material train (DMT) or contractor's / Railway's Truck/Trailer with crane or any other means including crossing of one track with free lead up to 250 metre and lift up to 5 metre, if required with contractor's labour, tools & plants, machinery, consumables etc. Note: In case of any damage to sleeper during loading, penalty @ 50%				

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1.	2.	3.	4.	5.	6.	7.
35.	172014	In Wagon where mechanical handling is possible and traffic block is not required or in Truck / trailer	MT	95.87	510	48893.70
	172020	Loading of 52kg / 60kg PSC line and special sleepers beyond 2.75 metre length including existing fittings and fastenings in Depot / Station / Mid-section between stations in a neat manner to departmental material train (DMT) or contractor's / Railway's Truck/trailer with crane or any other means including crossing of one track with free lead up to 250 metre and lift up to 5 metre, if required with contractor's labour, tools & plants, machinery, consumables etc. Note: In case of any damage to sleeper during loading, penalty @ 50% of the all inclusive cost of sleeper shall be levied.				
36.	172024	In Wagon/Truck / trailer where mechanical handling is possible and traffic block is not required.	MT	123.54	42	5188.68
	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.				
37.	172042	Lead beyond 5 Km and up to 10 km	MT	226.82	9	2041.38
38.	172047	Lead beyond 100 Km and up to 150 Km	MT	990.60	9	8915.40
39.	172048	Extra for every Km per MT beyond 150 Km over item no. 172047	MT Km	3.29	2125	6991.25
	172050	Transportation of 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. Loading and unloading shall be paid extra under relevant items.				
40.	172052	Lead beyond 5 Km and up to 10 km	MT	103.50	700	72450.00
41.	172057	Lead beyond 100 Km and up to 150 Km	MT	867.28	6920	6001577.60
42.	172058	Extra for every Km per MT beyond 150 Km over item no. 172057	MT Km	3.29	148750	489387.50
	172060	Unloading of 52kg / 60kg PSC line and special sleepers up to 2.75 metre length in Depot / Station / Mid-section between stations in neat manner for Railway usage from departmental material train (DMT) or contractor's / Railway's Truck/Trailer with crane or any other means including crossing of one track and lead up to 250 metre & lift up to 5 metre with contractor's labour, tools & plants, machinery, consumables etc. Note: In case of any damage to sleeper during loading, penalty @ 50%				
43.	172063	From Truck / Trailer	MT	91.41	510	46619.10
	172070	Unloading of 52kg / 60kg PSC special sleepers beyond 2.75 metre length in Depot / Station / Mid-section between stations in neat manner for Railway usage from departmental material train (DMT) or contractor's / Railway's Truck/Trailer with crane or any other means including crossing of one track and lead up to 50 metre & lift up to 5 metre with contractor's labour, tools & plants, machinery, consumables etc. Note: In case of any damage to sleeper during loading, penalty @ 50%				
44.	172073	From Truck / Trailer	MT	94.08	42	3951.36

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1.	2.	3.	4.	5.	6.	7.
	173010	Unloading of Switches / Crossings / SEJ Rails / Glued Joints of any rail section and length with or without P.Way fittings & fastenings in neat manner for Railway usage from departmental material train (DMT) or contractor's / Railway's Truck/Trailer with lead up to 250 metre & lift up to 5 metres.				
45.	173013	From Truck / Trailer	MT	124.13	9	1117.17
46.						
	171070	Unloading of all type of rails of length 130 metre and beyond from end unloading rake and keep the panels in head-up position at specified distance from centre of track clear from any infringement.. Note: Contractor has to keep Oxygen and Acetylene gas with cutter as standby during the period of work.			0	
47.	171072	Not involving traffic block	MT	26.20	120	3144.00
	172080	Spreading of New / SH, normal or wider base PSC sleepers from stack along track on either side for different leads with all lifts by any means.			0	
48.	172081	For a lead up to 500m	Each	74.55	1660	123753.00
49.	173020	Unloading all types of P.Way fittings and fastenings for Railway usage from Truck and stacking with lead up to 250 metre & lift up to 5 metre.	MT	149.31	12	1791.72
	211130	Providing and fixing Trolley Refuge of size 3.0m x3.0m on cess, placing with released unserviceable PSC sleepers and keeping them at all four sides of refuge and also placing as matting inside the refuge by keeping them in upside down position with a minimum of 14 sleepers including levelling with earth, excavation, all lead and lift, crossing of tracks, leading the sleepers with in a free lead and lift, handling etc., with all contractor's men material complete and as directed by the Engineer-in-charge.	Each	4211.60	9	37904.40
	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	14.45	1700	24565.00
50.	211060	Supply and fixing in position pre-cast cement concrete Fouling Mark as per approved drawing at station yard, duly painting the top surface and slopes with white enamel paint in two coats and inscribed letters with black of Fouling Mark, complete in all respects with all labour, materials including cement, tools and plants etc.	Each	474.79	9	4273.11
	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.			0	
51.	211201	JCB Backhoe Loaders 3DX Plus or similar with minimum 1.10 cum bucket capacity	Hour	864.02	400	345608.00
52.	211202	Hydra or similar tyre mounted Pick-n-Carry crane of 12T capacity for misc. works of handling of material	Hour	964.49	400	385796.00
53.	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.	Each	17561.77	1	17561.77
		Total IRUSSOR ITEMS+ NS Items				14255988.39

Signature of tenderer/s

Divl. Rly. Manager (WA)/Jaipur
For & on the behalf of President of Union of India.

Sch B DSR 2023

S. No.	DSR 2023 No.	Description of work	Unit	Rate	Qty.	Amount
1.	2.	3.	4.	5.	6.	7.
	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 :				
1.	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	7294.70	80	583576.00
	4.3	Centering and shuttering including strutting, propping etc. and removal of form work for :				
2.	4.3.1	Foundations, footings, bases for columns.	Sqm	392.15	500	196075.00
	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
3.	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	392.15	500	196075.00
4.	5.9.2	Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	Sqm	842.50	1800	1516500.00
	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
5.	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	107.85	20000	2157000.00
	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
6.	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	107.85	10000	1078500.00
	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.				
		Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.				
	5.33.1	All works upto plinth level				
7.	5.33.1.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	Cum	9504.75	400	3801900.00
	5.33.2	All works above plinth level upto floor V level				
8.	5.33.2.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	Cum	9860.40	200	1972080.00
	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in				
9.	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	7132.25	10	71322.50
	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 :				
10.	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	9105.95	10	91059.50
11.	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).	Cum	8333.65	20	166673.00

Signature of tenderer/s

Divl. Rly. Manager (WA)/Jaipur
For & on the behalf of President of Union of India.

Tender No. : ENGG/JP/2026-27/57

Sch B

S. No.	DSR 2023 No.	Description of work	Unit	Rate	Qty.	Amount
1.	2.	3.	4.	5.	6.	7.
	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	7311.25	50	365562.50
13.	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	133.70	12000	1604400.00
		Total DSR				13800723.5
		Add 5.47 % as per HQ letter		13800723.5	5.47%	754899.58
		DSR TOTAL				14555623.08

Signature of tenderer/s

Divl. Rly. Manager (WA)/Jaipur
For & on the behalf of President of Union of India.

Tender No. : ENGG/JP/2026-27/57

Sch C NS Items

S. No.	NS Items	Description of work	Unit	Rate	Qty.	Total amount
1.	2.	3.	4.	5.	6.	7.
1	1/NS	Fabrication and assembly IN SITU G-3 (L) type Glued Insulated rail Joints for Broad Gauge 60 kg / 52 kg with all contractors' material, to and for transportation of material, octroi etc. complete in all respect as per RDSO drawing No. T-2575/T-5863 and T-5361/T-671 including rail cutting, cleaning of ends, chamfering of holes, during block i.e. as per manual for Glued Insulated rail Joints Rev. 1998.	Per Joint	20753.72	30	622611.60
		NS TOTAL				622611.6

Signature of tenderer/s

Divl. Rly. Manager (WA)/Jaipur
For & on the behalf of President of Union of India.

**NORTH WESTERN RAILWAY
Jaipur Division**

Tender No. : ENGG- ENGG/JP/2026-27/57

Name of Work **ADEN-HQ/II Sub Division:-** Yard remodeling of Kanauta Station in connection with the longer loop.

1.00 Completion period Completion period of the work shall be **12th months from date** of issue of acceptance letter.

2.0 Scope of work:- Provision of Long haul loop line no. 1 on Bandikui end.

GENERAL CONDITION FOR THE WORK

1. The work is to be executed as per the direction of Engineer in charge. Item to be operated shall be as per the tender schedule & site condition. Decision of Engineering-in-charge or his representative shall be final and binding on the contractor. Tenderers are requested to visit the site of work before quoting the rates.
2. All construction materials to be used in the work shall be as per relevant IS specification wherever applicable and shall be approved by concerned ADEN before use in work.
3. Mixers of approved design shall be used for mixing cement concrete. Form surface vibrators of approved design and quality shall be used for the compaction of the same in RCC/CC work.
4. All equipments & material to be used in the work shall be as per relevant IS specification wherever applicable and shall be approved by Site engineer before use in work.
5. Specifications for the works given in the items of DSR 2023/IRUSSOR-21 shall be followed. The standard specifications (works & material) shall be followed given by CPWD in reference of DSR 2023 & specifications of IRUSSOR.
6. During the currency of the contract any correction slip related with the items of DSR 2023 of CPWD/ IRUSSOR is issued, the contractor shall be bound to accept the same. No extra claim what so ever shall be admissible in such cases, However any change or new guideline related to CPWD DSRs, AORs & Specifications shall be effective on Indian Railways only when uploaded by Ministry of Railways on Civil Engineering Directorate webpage of Ministry of Railways.
7. The rates quoted by the contractor shall be deemed to be inclusive of all taxes, royalties, octroi etc.
8. Contractor shall take all care to avoid any damage to electric overhead or under ground cable, telephone wires, water pipe line, sewerage system etc. Any damage to the railway property on account of contractor's negligence shall be made good at contractor's cost.
9. In case any ambiguity between special conditions and general standard condition, special conditions shall prevail.
10. Contractor shall be responsible for the safety of his labour, machinery deployed on the work.
11. Contractor will be responsible for the safety of railway property.
12. Contractor has to make all the safety arrangements and provide boards and banners of "work in progress" etc. and safety strips of sufficient length to make aware the Passengers and other users. No extra payment for the same shall be made.
13. All the tests such as cube test, design mix of all grades, RCC slab, beam, column etc. required during the execution of DSR-2023/IRUSSOR-2021 items shall be got done by the contractor from Govt. laboratory or any other reputed private lab(NABL approved lab) for which testing charges shall be borne by the contractor. No extra claim of payment whatsoever shall be admissible for such tests. However cube tests may be done in contractor's established laboratory. If the Testing done from private approved laboratory it is to be done in the personal presence of concerned SSE (W).
14. Design of Foundation, RCC slab, wall or steel structure etc for the work shall be got done by the contractor from IIT/NIT//Govt. Engg. College as decided by the Engineer-in-charge for which charge shall be borne by the contractor. No extra claim of payment what so ever shall be admissible for such design.
15. Work to be done in a very efficient manner and up to the entire satisfaction of Engineer in charge. Any defect pointed out by Engineer in charge shall immediately be rectified by the contractor without any extra cost.
16. Any root or branch of tree coming in the way of foundation/ excavation etc. shall be cut/ trimmed by the contractor at his own cost. No extra payment shall be made.

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For & on the behalf of President of Union of India.**

17. Contractor will not be entitled for any claims if any of the items indicated in the schedule is not done or not given to him
18. Time is essence of contract. The contractor shall submit a Bar chart/CPM/PERT chart within 15 days on award of the work for completing the work within the completion period. Progress shall be maintained strictly in accordance with the programme submitted by the contractor in the said chart time to time and as accepted by the Engineer-in-charge.
19. Any special condition stated by the tenderer(s) in the covering letter submitted along with the tender shall be deemed as part of contract to such extent only as explicitly been accepted by the Railway.
20. Electricity if required at work site shall have to arrange by contractor at his own cost.
21. In case of any dispute arising out of the punctuation and/or any typographical error in schedule the same will be corrected with reference to IRUSSOR-2021 of NWR/ DSR-2023 of CPWD (with upto date correction slips) in original manuscript available with Chief Engineer.
22. **All the design , drawing work (vide general condition no.14) , for the subject work as per requirement of Railway shall be submitted to Railway,** for which charge shall be borne by the contractor. No extra claim of payment what so ever shall be admissible for such drawing.

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Special Condition of Contract.

1.0 Site Inspection-

1.1 The Tenderer must inspect the site before quoting the rates of work to acquaint himself with approach roads, if any, near station on either side of the site of work, height of embankment, depth of cutting in the section where the work is to be done, lead, lift, ascent, descent, crossing of Nallah / Track involved, availability of labour, camping facility and all other factors which will have bearing on the works and tendered rates should include all such charges incidental to the works. No extra charges what-so-ever, will be payable.

1.2 The contractor will keep a site order book at site with initialed by In charge of the work.

2.0 PROCEDURE TO CARRY OUT THE WORK:

The work will be executed as per detailed procedure laid down in IRPWM 2024 amended from time to time and as per the instructions contained in CE's Circulars (P.Way) issued from time to time on the subject matter.

2.1 Speed restriction/traffic block as required will be arranged by Engineer Incharge. Longitudinal section of existing Rail profile and proposed rail profile will be given to the contractor before the commencement of the work. This will be decided by ADEN / Incharge of the work.

2.2 No work shall be commenced until the SSE/JE/P.Way. of the Railways has either obtained block or has imposed the speed restriction as required and erected the temporary Engineering Signals. SE/JE/P.Way or his authorized representative Concerned shall also remain present during the execution of work and permit to commence daily work.

2.3 The contractor should deploy a competent person to supervise the work and he must possess a competency certificate for the purpose to be issued by Assistant Divisional Engineer of the section. Such certificate shall be issued by the Assistant Divisional Engineer only after examining counseling and satisfying himself of the fact that the said person has good knowledge of the work to be executed.

In this matter opinion of the Assistant Divisional Engineer will be final and binding upon the contractor.

2.4 SSE/SE/JE/P.Way or his authorized supervisor not below the rank of PWS will supervise all the operations in his personal supervision and will be responsible for safety of track and standard quality of work and his orders be followed by the contractor and his supervisor at site of work.

2.5 The contractor should progress the work in a systematic manner with sufficient labour so as to keep the length of track under speed restriction to the minimum. The caution man/ Flagman during the day and the night will be arranged by the Railway free of cost to the contractor.

2.6 The work will be under taken between sun-rise to sunset.

2.7 The Contractor shall make available himself or his supervisor, labour, T&P etc to attend any emergency on track within a short notice of 01 hour after the information received from railway representative. It will be the responsibility of the contractor to keep himself in contact through mobile/phone with ADEN/SSE concerned The Payment will only be made as per the work done under relevant items as given in schedule.

2.8 The contractor's supervisor shall be well conversant with the IRPWM, IRUSSOR, DSR, LWR manual, SWR, bridge manual etc. for safe working on track.

2.9 The paras of manuals have been quoted in the special conditions in which there are chances of typical error, however the para shall be govern as per the Railways approved manual and all the track work shall be done as per the procedure laid down in related Manuals. If there is any conflict between special conditions, Manuals, description of item etc. the manuals shall be followed and in all such cases decision of Engineer in charge shall be final and binding upon by the contractor.

2.10 The contractor shall not allow any road vehicle belonging to him or his suppliers etc. to ply in railway land next to the running line. If for execution of certain works viz. Earth work for parallel railway line and supply of ballast for new or existing rail line, gauge conversion etc. road vehicles are necessary to be used in Railway land next to the railway lines, the contractor shall apply to the Engineer-In-charge for permission giving the type and No. of individual Vehicles, names and license particulars of the drivers location, duration and timings for such work / movement. The Engineer in charge or his authorized representative will personally counsel, & examine the road vehicle drivers, contractor's flagmen and supervisor and after satisfying himself will give specific written permission giving names of road vehicle drivers, contractor's flagmen and supervisor to be deployed on the work, location, period and timing of the work. This permission will be subject to the following obligatory conditions.

(i) The road vehicles will ply only between sunrise and sunset.

(ii) Nominated vehicles & drivers will be utilized for work in the presence of at least one flagman and one supervisor certified for such work.

(iii) The vehicles shall ply 6m clear of track. Any movement work at less than 6 m and up to minimum 3.5m clear of track centers shall be done only in the presence of Railway employee authorized by the Engineer In charge. No part of the road vehicle will be allowed at less than 3.5m from track center. Cost of such Railway employee shall be borne by the Railway.

(iv) The contractor shall remain fully responsible for ensuring safety and in case of any accident, shall bear cost of all damages to this equipment & men and also damages to Railway and its passengers.

Engineer In charge may impose any other condition necessary for a particular work or site.

Signature of tenderer/s

**Divl. Rly. Manager (WA)/Jaipur
For & on the behalf of President of Union of India.**

TENDER NO. : ENGG- ENGG/JP/2026-27/57

- 2.11 Safety of the Contractor's men working on the track is responsibility of the Contractor's representative and the Railway will in no case be responsible for compensation required to be paid to the contractor's man in the event of any accident / mishap. For this contractor shall sign an indemnity bond in DRM Office on stamp papers.
- 2.12 A daily progress as required by railway will be ensured by the contractor.
- 2.13 The work will be done by the contractor to the entire satisfaction of Railways SE/P.Way at site who will accord such a certificate in respect of all operations involved in site order book at the end of each day.
- 2.14 Measurement will be recorded by SE/P.Way in charge and test checked to the extent as defined in CE circular by the ADEN.
- 2.15 Before starting the work inventory of the existing fittings and fastening of the track will be jointly taken by SE/P.Way In-charge and contractor or his authorized representative. A copy of this inventory will be submitted to ADEN/DEN and to divisional office. In the event of loss of any of the existing fittings and fastenings the contractor will have to pay the cost of new material at the prevailing rate fixed by Railway plus 12½% as departmental charges. The track will be handed over to the Railway in stages of one Km. Until the track is handed over back to SE/P.Way the contractor will be responsible to ensure that no fitting / fastenings is lost from the newly laid track. Shortage of any P.Way fittings if any will be reported by key men of the section to SE/P.Way In charge of work who will immediately intimate to the contractor and get it replaced at his cost.
- 2.16 Any damage caused to the track, during the execution of work both in normal and abnormal condition will have to be re-repaired by the contractor at his cost.
- 2.17 All the operation of the above work will be done on running track and nothing extra shall be paid to the contractor on this account.
- 2.18 No extra charges for loading, unloading, leading the material to the site of work and loading of released materials back to loading point will be paid by Railways except that mentioned in the tender schedule.
- 2.19 The Contractor is required to complete all the operation viz. lifting, packing, alignment, raising etc. In order to make fit to the prescribed speed with his own labour.
- 2.20 P.Way materials excluding rails and sleepers will be handed over by Railways at the SE/P.Way Godown as nominated by Assistant Divisional Engineer i.e. either at nearest Railway Station of site of work or nearest SE/P.Way's Godaown whichever is convenient to ADEN / In charge. The rail and sleepers will be supplied by Railway at the site of work. Released material will be sorted out by the contractor with his own labour and cost and separate stacks for SH and unserviceable material will be made at a location as finalized by the ADEN of the section.
3. **TOOLS-**
Track tools required for this work will be arranged by the contractor.
- 3.1 All the tools and plants as required to execute the work will be arranged by contractor at his cost and nothing extra shall be paid on this account.
- 3.2 The contractor will ensure reconditioning / repair of the tools and plants at his own cost to keep them fit for use. He will repair the worn out tools at his own cost and nothing extra will be paid on this account.
- 3.3 The contractor should ensure that labour on work removes their tools clear of the track on the approach of the train. After the day's work the contractor should secure tools in proper tool boxes and in no case the labour be permitted to take tools to their homes. Tools should not be allowed to fall in unwanted hands who can tamper with the Railway track. Sufficient hard wood wooden blocks of size 10" x 25" x 24" will have to be arranged at site before taking the work in hand. Railways may supply for this purpose unserviceable sleepers at market rate (i.e.) last auction rate on the division + 20% thereof). Supply of such sleepers will be made to the contractor at his specific written request to the ADEN concerned. Such supply will be made in the presence of Stock verifier /ISA & SI/Inspector/RPF.
- 4.0 **Penalties-**
In the event of accident at the work site the departmental enquiry will be held and in case it is established with that derailment has occurred on account of the contractor's negligence or the negligence of his men, damages at the following rates will be recovered from contractor:-
- (a) Accident involving use of accident Relief train = Rs.50000/-
- (b) Nominal accident not involving use of accident relief train Rs.10000/-

Signature of tenderer/s

**Divl. Rly. Manager (WA)/Jaipur
For & on the behalf of President of Union of India.**

Tender No. : ENGG- ENGG/JP/2026-27/57
Special Condition of Schedule- 1/NS of Schedule -'B' (Fabrication of glued joints....)

1. Fabrication of glued joints should be done by RDSO approved manufacturer as per the extent guidelines on the subject. Tenderer should be RDSO approved manufacturer or tenderer should submit the letter for execution of work from RDSO approved manufacturer to execute this work if the work is awarded to a tenderer who himself is not RDSO approved for fabrication of glued joints (not older than six months).
2. The contractor's men who perform the job of fabrication work of Glued joint should have a certificate from the RDSO.
3. These special conditions and general conditions of contract as amended up to date shall govern the work done under this contract. Where there is any conflict between the special conditions and instructions etc. the former shall prevail
4. The work may be carried out by the contractor as per the instructions contained in the Manual for Glued Insulated Rail Joints (latest version) issued by RDSO.
5. Long fish plate required for fabrication of G-3 (L) type failed glued joint, HTS bolts, fiber glass cloth and glue shall be purchased from RDSO approved firms only.
6. Railway reserve the right and arrange for inspection of fabricated finished in situ glued joint by RITES, if required in addition to inspection by consignee and the inspection charges for the same will be borne by the Contractor.
7. The entire required test at site on finished in situ glued joint will be arranged by contractor at his own cost.
8. The authorities who conduct the test on glued joints 52Kg/60Kg shall be as mentioned below:

Sr. no.	Description of material	Testing Authority
1	Long Fish Plates	RITES Certificates
2	HTS Bolts & Nuts	RITES Certificates
3	Glue	Consignee
4	Glass cloth	Consignee
5	fabrication finished Glued Joint	Consignee
6	All other items	Consignee

9. The work of fabrication of glued joints shall be done in situ .In case of work being done under traffic; the contractor shall have no claim on the railway even if suitable time / block /caution order is not available. However, the Rlys will give appropriate extension to time of completion.
10. The entire labour, material, T&P, fuel, etc as required for carrying out the fabrication work shall be arranged by the contractor. No electricity will be supplied by the Railways. Material, labour and machinery will be carried to site & from site by the contractor at his own cost
11. Grinding of rail to a length of 50cm on either end should be done with a suitable grinder and it must be ensured that no rolling mark, rust, dents remain s in fishing plane with the fish plate.
12. The contractor shall be responsible for the work to be done up to the entire satisfaction of the site in charge.
13. The released material & scrap etc will be deposited by contractor in the stores of concerned SSE (Pway) as instructed. Nothing extra shall be paid for the same.
14. Both ends of the joint should be made smooth by cleaning the rail by approved method.
15. Both the long fish plates shall be grind to make the surface free from dust, dent, grease etc.
16. The rail ends shall be aligned laterally and vertically with the straight edge with the help of suitable wedges .After aligning no hammering/disturbance to ends should be done.
17. HTS bolts, washers and nuts well cleaned and free from oil, dust etc. shall be placed in position and tightened with torque wrench. The torque shall be increased gradually on all the bolts. Care shall be taken to tighten inner bolts first and then outer bolts. Finally all the bolts shall be tightened with the torque of 105Kg/m.
18. The joints shall be finished by covering all the visible edges of glass cloth carrier with glue.
19. After setting of the glue, the P.Way fittings on 2m on either side of the joints should be properly refixed.
20. A First aid box shall be kept at site by the contractor.

Signature of tenderer/s

Divl. Rly. Manager (WA)/Jaipur
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21. Megger test to check insulation of fabricated finished Glued Joints must be done jointly with concern SSE (P.Way) & SSE (Signal). Payment for a fabricated glued joint shall be made only after the same is certified fit during joint inspection. A register for this inspection should be maintained at site and should be signed by the contractor or his authorized representative and the inspecting officials jointly.
22. All the materials to be used for the fabrication in situ glued joints, excluding rail will be supplied by contractor. Before using these materials same has to be got passed from the competent passing authority of Railway. Long fish plates and HTS bolts & nuts have to be hot passed from RITES & other fittings & accessories will be inspected and passed by the consignee. All expenditure to be incurred for testing of material will be borne by the contractor including RITES Inspection charges.
23. The contractor is primarily responsible for safety of traffic and also that of his staff working on track. No compensation whatsoever towards damage to men, material of the contractor will be paid by Railways.
24. The contractor is responsible for safe passage of trains. All trains will be allowed with the specific approval of the Engineer in charge in the portion of track under repairs by the contractor. Any violation in this regard, the contractor will be held responsible for the damage caused out of negligence manipulated by his staff.
25. The contractor should use genuine material approved by RDSO.
26. The responsibility for obtaining all materials required against the contract shall rest entirely with the contractor.
27. Valid and current approval as issued by RDSO shall be arranged by the contractor. Contractor will have to submit documentary proof for having procured above material from the manufacturer approved by RDSO along with test and Guarantee Certificates.
28. The rate of fabrication work shall be inclusive of all cost of contractors labour, materials, consumables, tools, plants, machine, fuel etc. The accepted rate is deemed to be inclusive of all incidental work.
29. In case of there is any failure of glued joint reported within a period of **6 (Six) months**, the glued joint will be replaced free of cost by the contractor. If the contractor fails to comply with this requirement, the work may be got done through some other agency and the cost there of may be recovered from the security deposit of the contractor.
30. The list of glued joints which will require fabrication shall be given by ADEN concerned. Only these glued joints shall be fabricate.
31. The contractor shall not start any work without the personal presence of the PWI at site. In case contractors representative started any work in absence of PWI ,it shall be treated as unauthorized and illegal , tempering with the track and shall be liable for action under the “Indian Railway Act.”
32. Contract /Execution will be governed by RDSO/Railway Board guidelines.
33. The contractor should employ a competent supervisor whose technical knowledge has been checked for such work and a certificate issued.
34. Work should only be permitted in the presence of the contractor’s authorized supervisor.
35. Signalmen who are railway employee should ensure that no work is under taken without the presence of authorized contractor's supervisor.
36. The contractor will be responsible to ensure safety of this work site and nothing will be left pending in the track.
37. The work mainly is executed under the jurisdiction of concerned **ADEN**, however the location can be changed by the Engineer in charge if the need arises as the work pertains to railway safety. Nothing extra will be paid for the same.
38. A set of fire extinguisher should made available by contractor for use at site.
39. In case of any dispute regarding interpretation of the above clauses, decision of **DEN/Sr.DEN** shall be final and binding on the contractor.
40. The work shall be executed for 52 Kg/60 Kg glued joints will be fabricated on cess as per instructions of Engineer in charge, then payment will be made @ 90 % of accepted rates.
41. Smoking while Installation shall be prohibited.
42. **Penalties:** A advance notice of 7 days shall be given to the contractor in site order book to arrange RDSO approved manufacturing team for fabrication of glued joints. In case of any further delay due to failure on the part of the contractor due to non availability of glued joint fabrication team, a suitable penalty shall be imposed as desired by Engineer in-charge.

Signature of tenderer/s

**Divl. Rly. Manager (WA)/Jaipur
For & on the behalf of President of Union of India.**

Precautions to be taken for works on or along side track.

1.0 SAFE WORKING METHODS:

- 1.1 All or some of the works executed under this contract involve works on or alongside the Railway track on which the railway traffic is kept operative during or immediately after the completion of one or more phases of the contract work. In view of this position maintaining safe working conditions at the work site at all times for the safe passage of the railway traffic is a primary over-riding condition required to be fulfilled by the contractor at all times.
- 1.2 For this purpose, it is understood and agreed to by the contractor that the work executed by him under this contract shall at all times fulfill all the safety conditions in force on the railway from time to time to operate the railway traffic.

2. INSTRUCTIONS/DIRECTIVES OF THE ENGINEER'S REPRESENTATIVES:

- 2.1 The contractor shall at all times, execute the contract work only in the presence of and under the superintendence of the Engineer's Representative or a Railway employee specifically appointed on his behalf. No work under the contract shall therefore be commenced by the contractor without the express permission of the Engineer's Representative.
- 2.2 The contractor shall always execute the work under this contract in strict compliance with the instructions /directives by the Engineer's representative. Any act of non-compliance with the instructions/ directives issued by the Engineer's representative shall be considered as a default of the Contractor where after the railway shall be free to take further appropriate action as provided in the contract for dealing with such defaults of the contractors. The decision of the Engineer's representative where there has been an act of non-compliance with the instructions /directive of the Engineer's Representative for the purpose of this clause shall be final and conclusive.
- 2.3 The instructions /directives by the Engineer's Representative shall not however absolve the contractor of his representative or reduce his responsibility in any manner whatsoever in regard to maintaining at all time the safe working conditions at the work site.

3. PROTECTION OF THE WORK SITE

- 3.1 On railway track where the train traffic will be operational during the execution of the contract work the protection of the works site as considered appropriate and adequate shall be arranged by the Engineer's Representative at the Railway's cost.
- 3.2 Not with standing the aforementioned protection at the works site provided by the Engineer's Representative the contractor shall be responsible for providing appropriate and adequate system for warning the contractor's workmen about the train traffic on or in the vicinity of the site of work. The decision of Engineer's Representative whether the facilitates provided by the contractor in this regard are appropriate and adequate or not shall be final and conclusive.

4.0 NON-COMPLIANCE WITH THE INSTRUCTION/DIRECTIVE OF THE ENGINEER'S REPRESENTATIVE.

- 4.1 The contractor shall always comply with the instructions/ directive issued by the Engineer's representative from time to time. In the event of any non compliance with such instructions/directives, apart from and in addition to other remedies available to the railway as specified here in above, the Engineer's representative may employ at the work site the railway workmen with necessary equipment as considered appropriate and adequate by him to provide the requisite conditions for the safe and unhampered movement of railway traffic. The decision of the Engineer's Representative in regard to the need, appropriateness and adequacy of the deployment of the railway workmen with necessary equipment shall be final and conclusive.

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4.2 when the railway workmen with necessary equipment are deployed in the above manner, recovery at the following rate shall be made from the contractor's due under this contract or any other monies of the contractor available with the railway under this contract or other contract. The recovery for the total railway workman hours employed at the work site for the above purpose shall be made at the rate of Rs. 500/-(Rs. Five hundred only) per workman hour irrespective of the type and grade of the railway employee actually employed. The aggregate period from the time railway workmen are actually deployed at the work site till the work is completed to the satisfaction of the engineer's representative whose decision in this regard shall be final and conclusive.

5.0 PERSISTENT NON-COMPLIANCE WITH INSTRUCTIONS/ DIRECTIVES OF ENGINEER'S REPRESENTATIVES.

5.1 If the contractor does not comply with the instructions directives of the Engineer's Representative apart from and in addition to the remedies available to the railway as specified herein above without prejudice to the railway's rights in this regard the Engineer's Representative, which for the purpose of this clause shall exclude the Inspector of Civil Engineer Department appointed by the Western Railway can suspend the contractor's work till the Engineer's Representative is satisfied that the contractor is in a position/will comply with the instructions/directives issued by the Engineer's Representative.

5.2 The decision of the Engineer's Representative in this regard shall be final and conclusive. The contractor shall not have any claim whatsoever against the railway for such short term/long term suspension of the contract work.

5.3 During the above mentioned period of suspension of work the contractor shall not in any manner attempt to carry out any work at the work site. Any such attempt of the contractor shall be deemed to be an unauthorized work on the railway track. For such acts, the contractor shall then be liable for further appropriate action under the relevant provisions of the Indian Railway Act.

6.0 PROTECTION OF TRACK FROM ROAD VEHICLES MOVING BY THE SIDE OF TRACKS:

6.1 The contractor shall not allow any road vehicle belonging to him or his supplier etc. to ply in railway land next to the running line. If for the execution of work it becomes necessary to use the road vehicle next to the running track, the contractor shall apply to the Engineer In-charge for permission, giving the type & number of individual vehicle, name & licence particular of the driver, location, duration & timings for such works/movement. The Engineer In-charge or his authorized representative will personally counsel, examine & certify the road vehicle driver, contractors flag man & supervisor & will give written permission, giving name of the road vehicle driver, contractor's flagman & supervisor to be deployed on the work/location, period & timing of the work. This permission will be subject to the following obligatory conditions:-

(i) The road vehicle will ply only between sunrise & sunset.

(ii) Nominated vehicles & drivers will be utilized for work in the presence of at least one flag man & one supervisor, certified for such work.

(iii) The vehicles shall ply 6 meter clear of track. Any movement, work at less than 6 meter and upto minimum 3.5 meters, clear of track center, shall be done only in the presence of railway employee authorized by the Engineer In-charge. No part of the road vehicle will be allowed at less than 3.5 meters from track center. Cost of such railway employee shall be borne by the railway.

(iv) The contractor shall remain fully responsible for ensuring safety & in case of any accident, shall bear cost of all damages to the equipment & men and also damages to railway & its passengers.

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