

TENDER SCHEDULE

Name of the Work : SW-I- Secunderabad Division:- BPQ-KZJ section (DN,UP,UD) :CTR(P) of Exg. 52kg/60kg rails on PSC6 sleepers 1660Nos./km density with new 60KG/90UTS/R- 260 rails on PSC6 wider sleepers 1660 Nos./KM including recompment and increasing of ballast cushion to 35 cm. and deep screening of ballast for a total length of 5.301 Kms by PQRS/TRT Method as per Annexure. SW-II Secunderabad Division:- BPQ-KZJ section (DN,UP&UD line) :TSR(P) of Exg. PSC6 sleepers 1660Nos./km density with PSC6 wider sleepers 1660 Nos./KM including recompment and increasing of ballast cushion to 35 cm. and deep screening of ballast for a total length of 81.43 Kms by PQRS/TRT Method as per Annexure under Sr.DEN/North/SC Jurisdiction.

Sl. No	USSR-2021 ITEMS	Description of work	SW-I		SW-II		Total Quantity	Unit	Rate	Amount in Rs.
			CTR(P)- 2.570 Kms	CTR(P)- 2.731Kms	TSR(P)- 40.555Kms	TSR(P)- 40.875Kms				
		Schedule - A (Pway USSOR Items-2021) General Track Items	31001	31004	31003	31005				
	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.								
1	061011	Up to 40 m long rail panel	600.00	600.00	2000.00	2880	6080.00	RM	7.89	47971.20
2	061012	More than 40 m long rail panel	5140.00	5462.00	81110.00	81750	173462.00	RM	12.46	2161336.52
	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.								
3	061021	For Through Rail Renewal work			8500.00		8500.00	TRM	38.70	328950.00
4	061022	For Casual/Scattered Rail Renewal work			500.00	1400	1900.00	RM	30.73	58387.00
	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.								
5	061031	For Through Rail Renewal work			8500.00		8500.00	TRM	39.90	339150.00
6	061032	For Casual/Scattered Rail Renewal work			500.00	1400	1900.00	RM	32.53	61807.00
	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.								
7	062014	For PSC wider base sleepers - For location of work involving deep screening. (deep screening to be paid separately)					0.00	Each	171.67	0.00
	062030	Replacement of any type of sleepers in track with PSC sleepers lying on cess or at Bridge Approaches for casual renewal at isolated locations with all fittings complete to specified gauge & cross level with contractor's tools including packing and dressing of ballast, as directed by Engineer in-charge. Released materials shall be neatly stacked								
8	062031	Locations other than Ballasted Deck Bridge				2201	2201.00	Each	407.84	897655.84
	063010	Fixing of fish plates with fish bolts on a joint of all rail sections								
9	063011	Fish plates with 4 fish bolts	22.00	23.00	162.00	315	522.00	Joint	189.37	98851.14
10	063060	Opening and refixing of Joggled fish plates provided to weld joints/rail of any rail section under traffic	14.00	15.00	203.00	197	429.00	Set	45.12	19356.48

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11	063100	Removing seized ERC from SGC Inserts of existing track by using suitable approved chemicals and re-fixing after greasing of insert eye and ERC with Contractor's grease			13464.00	13571	27035.00	ERC	44.66	1207383.10
	064050	Gas cutting of rail of various sections with contractor's tools & plants, as directed by engineer in-charge :								
12	064052	Rail section of 52Kg and above	409.00	434.00			843.00	Each	110.77	93379.11
	065020	Renewal of existing SEJ with improved SEJ with PSC sleepers under traffic block conditions as per approved drawing including fixing of special size bearing plate, rubber pad and other sleeper / rail fittings, greasing to the fittings, leading rails, sleepers & fittings to site, leading and stacking of released materials within a lead of 250m, cutting of rails, drilling of holes, fixing of related fittings, providing temporary connection with fishplates till welding of SEJ is done and sleepers shall be given initial packing to make track fit for 20KM/PH speed. Note: (1) Rail cutting and hole drilling shall be paid separately.					0.00	Set	7559.55	0.00
	073010	Lifting for increase in ballast cushion of existing points & crossing layouts up to 75mm or part thereof including approach and exit sleepers including one round of through packing etc.,.								
	073012	1 in 12 Points & Crossing				32	32.00	Set	15720.77	503064.64
	073017	Extra over item nos. 073011 to 073015 for additional lift beyond 75mm for every 50mm or part thereof up to 225mm for each set - 1 in 12 Points & Crossing				32	32.00	Set	2358.12	75459.84
	081020	Manual deep screening of Plain track/ turnouts as per procedure prescribed in IRPWW, June 2020 or latest, on PSC sleepers of any density and throwing away screened muck arising out of screening on toe of bank or on cess, if low or on spoil banks above top of cutting (including throwing and leveling, if required beyond minimum 5m from the edge of cutting which are up to 3m deep or alternatively carting it up to 50m for disposing it off beyond cutting or platforms) as per direction of Engineer in-charge, including cutting cess for effective drainage on both sides, one round of kutcha packing with screened ballast and further attending to track parameter to make track fit for 20 kmph speed complete in all respect. Note : Payment shall be made for length along main line only for turnouts.								
14	081024	Depth of 300 mm below bottom of sleeper - For Plain Track :	800.00	800.00	4056.00	4088	9744.00	TRM	500.92	4880964.48
	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:	3598.20	3823.60	56777.00	55369	119567.80	CUM	45.35	5422399.73

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			CTR(P)- 2.570 Kms	CTR(P)- 2.731Kms	TSR(P)- 40.555Kms	TSR(P)- 40.875Kms				
16	092030	25mm gap 'in-situ' welding during traffic block using Railway's welding portion & Welder 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: 1. Only welding portion and related accessories as per Annexure - I and Welder shall be supplied by Railways. 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 nearest P. Way Stores and the same shall be returned at nearest P. Way Store or at other location as per direction of Engineer-in-Charge after release from track.	26.00	27.00	625.00	1056	1734.00	Each	1443.86	2503653.24
17	131032	First or Second Through Packing of track of all sleeper density including giving a general lift, as desired to eliminate sag after Deep Screening work, lifting of track, lowering of track and major realignment of curves and formation rehabilitation as per procedure prescribed in latest edition of IRPWM. Note: General lift is normally 25 mm and isolated lift may be up to 50 mm. For PSC Sleeper Track with Sleeper Density of 1660	2570.00	2731.00	40555.00	40875	86731.00	TRM	118.77	10301040.87
18	135012	De-stressing of LWR/CWR with contractor's labours, tools & equipments 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 With Contractor's Hydraulic Rail tensor								
19	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 considered shall be paid separately)	2570.00	2731.00	40555.00	39435	85291.00	TRM	46.48	3964325.68
20	136013	With Clamps 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:(1) Drilling holes & rail cutting will be paid separately.(2) Transportation of materials to the site of work from supply points, if more than 250m, shall be paid separately.	2.00	2.00			4.00	Each	1567.39	6269.56
							0.00	Set	135.75	0.00

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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/SW/1 (Rev. 01 of 2012) with latest status of RDSO; Rail Cutting Wheel Abrasive Disc will be as per RDSO Specification No. TM/SW/2 (Rev. 01 of 2020).								
21	161011	60 Kg - 110/90 UTS -Outside Track	33.00	33.00	10.00	395	471.00	Each	212.20	99946.20
22	161014	60 Kg - 110/90 UTS -On Running line	29.00	30.00	624.00	1162	1845.00	Each	270.31	498721.95
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/SW/3, dated 24.04.1991.								
23	161041	Outside Track -	66.00	66.00	20.00	790	942.00	Each	50.55	47618.10
24	161042	On Running Line	116.00	120.00	1248.00	1260	2744.00	Each	64.84	177920.96
25	161050	Drilling holes of specified size for bond holes with 7.2mm dia on 60kg/52kg rails on cess or under traffic block			500.00	592	1092.00	Each	34.01	37138.92
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.								
171014		In Wagon where mechanical handling is possible and traffic block is not required or in Truck/trailer.	295.64	314.10			609.74	MT	105.42	64278.79
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.								
171024		In Wagon where mechanical handling is possible and traffic block is not required or in Truck/trailer.	0.92	0.92		60.50	62.34	MT	104.31	6502.69
171030		Loading, leading and unloading of 52kg / 60kg rail up to 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.								
171032		For lead beyond 500 metre and up to 1 km.					0.00	MT	427.47	0.00
171033		Extra to item no. 171032 for lead beyond 1 km for every subsequent km or part thereof and up to 10 Km					0.00	MT	50.80	0.00
171050		Unloading of rails of any section and length up to 13 metre, in neat manner for Railway usage from departmental material train (DMT) or contractor's / Railway's Truck/trailer including lead up to 50 metre, lift up to 5 metre and stacking in prescribed manner.								
171053		From Wagon where mechanical handling is possible and traffic block is not required or in Truck / trailer.	295.64	314.10			609.74	MT	78.08	47608.50
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.								
171071		During period of traffic block	311.15	330.58			641.73	MT	25.61	16434.71

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			CTR(P)- 2.570 Kms	CTR(P)- 2.731Kms	TSR(P)- 40.555Kms	TSR(P)- 40.875Kms				
	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% of the all inclusive cost of sleeper shall be levied.								
32	172014	In Wagon where mechanical handling is possible and traffic block is not required or In Truck / trailer	1276.80	1353.18	19186.57	17404.17	39220.72	MT	81.45	3194527.64
	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.								
33	172031	For lead up to 500 metres					0.00	MT	258.22	0.00
34	172032	For lead beyond 500 metre and up to 1 Km				818.20	818.20	MT	382.26	312765.13
35	172033	Extra to items no. 172032 for lead beyond 1 km for every subsequent km or part thereof and up to 10 km				818.20	818.20	MT	39.63	32425.27
	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% of the all inclusive cost of sleeper shall be levied.								
36	172063	From Truck / Trailer (shifted released and ISEJ sleepers at work spot)	2553.60	2706.36	19221.57	18259.22	42740.75	MT	76.55	3271804.41
	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.								
37	173013	From Truck / Trailer	0.92	0.92		60.50	62.34	MT	105.78	6594.33
	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.								
38	173033	P.Way fittings of all types and other similar loose items			700.00	333.35	1033.35	MT	333.41	344529.22
39	181010	Opening of level crossing up to required width from centre line of track for replacement of sleepers by digging of pucca road surface up to bottom of sleeper, removing of ballast, muck etc.			900.00	280	1180.00	SQM	316.85	373883.00
40	181020	Dismantling existing check rail of Level Crossing, blocks, bolts & nuts and stacking these in a countable manner near LC, free from any infringements as directed by Engineer in-charge.	0.00	30.00	60.00	84	174.00	RM	156.93	27305.82

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	182010	Overhauling of level crossing by digging out up to 50mm below sleeper, screening of shoulder & crib ballast, replacing unserviceable sleepers & fastenings as necessary, removal of check rails for examination of running rails and check rails, scrapping of rails and painting running rails and check rails and all fixtures with two coats of coal tar emulsion, greasing of ERCs, MCI inserts and liners oiling all the bolts, correcting cross level, gauge, alignment, surfacing and packing etc., re-fixing check rails duly ensuring standard clearances, re-inserting screened ballast, making good deficient ballast with Railway's ballast from stacks / heaps/borrowing from adjacent length of adjoining track within 50m lead, ramming & levelling road surface and refixing concrete slabs/making motorable road surface as required excluding re surfacing with bitumen as directed by Engineer in charge.								
41	182011	Level crossings with asphalted road surface					0.00	Sqm	491.79	0.00
42	183020	Fabrication including cutting, bending/machining and fixing of check rails of all rail sections over PSC Sleepers for level crossings / trolley paths/inspection lines in yards			180.00		180.00	TRM	942.22	169599.60
	183040	Fixing check rails to running rails on level crossings with MS brackets, MS packing plates, bolts & nuts, spring washers etc. including lubrication as per approved drawing & specifications, as directed. Rails, MS brackets, packing plates, bolts & nuts, spring washers will be supplied by Railways. Note: One set consists two check Rails.				10	10.00	SET	4341.61	43416.10
	211020	Erection or removal of temporary Engineering Indicator Board or any other board at specified locations etc.								
43	211021	For erection	23.00	24.00	180.00	182	409.00	Each	220.96	90372.64
44	211022	For removal	23.00	24.00	180.00	182	409.00	Each	179.15	73272.35
	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.								
43	211201	JCB Backhoe Loaders 30X Plus or similar with minimum 1.10 cum bucket capacity					0.00	Hour	870.14	0.00
		Sch 'A' Total								41908071.76
		Schedule - B (Pway USSOR items-2021) Transportation of P.Way Material items								
	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.								
1	172041	Lead up to 5 km	7.53	7.55	82.13	141.19	238.40	MT	150.99	35996.02
2	172042	Lead beyond 5 km and up to 10 km	7.53	7.55	82.13	207.68	304.89	MT	194.32	59246.22
3	172043	Lead beyond 10 km and up to 20 km	11.30	11.34	164.25	207.68	394.57	MT	253.88	100173.43
4	172044	Lead beyond 10 km and up to 20 km	11.30	11.34	164.25	135.72	322.61	MT	327.18	105551.54
5	172045	Lead beyond 30 km and up to 50 km	15.06	15.11	305.57	18.88	354.62	MT	429.92	152458.23
6	172046	Lead beyond 50 km and up to 100 km	14.85	14.89	376.23	37.76	443.73	MT	655.64	290927.14
7	172047	Lead beyond 100 km and up to 150 km	22.81	22.89	410.64	132.16	588.50	MT	991.65	583586.03
8	172048	Extra for every km per MT beyond 150 km over item no. 172047	1290.50	1302.50	90340.80	13216.00	106149.80	MTKM	3.42	363032.32

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	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.								
9	172051	Lead up to 5 Km	697.71	739.59	15349.64	17629.62	34416.56	MT	52.20	1796544.43
10	172052	Lead beyond 5 Km and up to 10 Km	570.03	604.27	3837.41	227.56	5239.27	MT	95.53	500507.46
11	172053	Lead beyond 10 Km and up to 20 Km	344.33	365.15		34.44	743.92	MT	155.1	115381.99
12	172054	Lead beyond 20 Km and up to 30 Km	216.65	229.83		11.48	457.96	MT	228.39	104593.48
13	172055	Lead beyond 30 Km and up to 50 Km	246.86	261.88		14.55	523.29	MT	331.13	173277.02
14	172056	Lead beyond 50 Km and up to 100 Km	178.30	189.38		29.10	396.78	MT	556.85	220946.94
15	172057	Lead beyond 100 Km and up to 150 Km	30.48	32.33		101.84	164.65	MT	892.86	147009.40
16	172058	Extra for every Km per MT beyond 150 Km over item no. 172057	4572.00	4849.50		10184.00	19605.50	MTKM	3.42	67050.81
		Sch 'B' Total								4816282.46
		Schedule - 'C' (Pway USSOR items-2021) BCM & PQRS Track Machine related works								
		Unloading of mono-block PSC sleepers in PQRS Depot using Railway's Portal crane from wagons and stacking them at the end of Assembling Line with all leads & lift. Note: 1.Unloading to be done within the stipulated time as and when loaded BFRs are received, so as to hand over empty BFRs without demurrage; 2.If unloading is not done within the stipulated time, the demurrage raised by the Railways shall be borne by the Contractor. 3.Contractor has to arrange necessary tools etc., complete for unloading from BFRs and stacking.								
1	151010		4266.00	4533.00	13280.00		22079.00	Each	5.43	119888.97
2	151020	Assembling of 13m / 12.6m long track panels in PQRS Depot by spreading PSC sleepers already unloaded and stacked, to correct spacing as per specified sleeper density per km, using Railway's portal crane, placing service rails on them and fixing rails to sleepers with standard fastening properly to get correct gauge with all contractor's labour, tools, plants etc.	2570.00	2731.00	8000.00		13301.00	TRM	34.00	452234.00
3	151030	Loading pre-assembled panels with PSC sleepers in layers on BFR with Railway's Portal Crane in PQRS Depot, complete in such a manner that it may be dispatched in train formation to mid section, as directed by engineer in-charge.	2570.00	2731.00	8000.00		13301.00	TRM	4.98	66238.98
4	151040	PQRS: Pre Block activity: Removing of the existing ballast from crib portion of the full length of existing PSC sleeper and further up to the bottom of sleepers to accommodate new sleeper and dumping the ballast so removed on the shoulders/cess with contractor own labour, tools and plants etc, complete with all lead and lift and as directed by the Engineer-in-charge at site including crossing of track wherever necessary.	2570.00	2731.00	8000.00		13301.00	TRM	27.87	370698.87

Name of the Work :SW-I- Secunderabad Division:- BPQ-KZJ section (DN,UP,UD) :CTR(P) of Exg. 52kg/60kg rails on PSC6 sleepers 1660Nos/km density with new 60KG/90UTS/R- 260 rails on PSC6 wider sleepers 1660 Nos./KM including recompment and increasing of ballast cushion to 35 cm. and deep screening of ballast for a total length of 5.301 Kms by PQRS/TRT Method as per Annexure. SW-II Secunderabad Division:- BPQ-KZJ section (DN,UP&UD line) :TSR(P) of Exg. PSC6 sleepers 1660Nos/km density with PSC6 wider sleepers 1660 Nos./KM including recompment and increasing of ballast cushion to 35 cm. and deep screening of ballast for a total length of 81.43 Kms by PQRS/TRT Method as per Annexure under Sr.DEN/North/SC Jurisdiction.

Sl. No	USSR-2021 ITEMS	Description of work	SW-I		SW-II		Total Quantity	Unit	Rate	Amount in Rs.
			CTR(P)- 2.570 Kms	CTR(P)- 2.731Kms	TSR(P)- 40.555Kms	TSR(P)- 40.875Kms				
5	151050	PQRS: During line block activity: Dismantling existing track, levelling disturbed and uneven surface of bed up to bottom of sleeper, Loading the released panels in to BFR with Railway's portal cranes, Placing new panels from BFRs on to track with Railway's portal crane, Linking of Track with all fittings, placing ballast as required in crib and shoulders, aligning and surfacing of track, attending track parameters and initial packing to track to allow traffic at restricted speed of 20 kmph with contractor's labour, tools etc, complete and lead & lift as directed by the Engineer-in-charge at site including crossing of track wherever necessary. Note: The PQRS cranes with fuel and operators will be provided by Railway.	2570.00	2731.00	8000.00		13301.00	TRM	35.33	469924.33
6	151060	PQRS: Post Block activity, Pulling back the left over ballast from shoulders/cess in to track and dumping in cribs and shoulders, regulating and boxing with available ballast to facilitate surfacing of track during lifting with contractors own labour, tools etc, complete and lead & lift as directed by the Engineer-in-charge at site including crossing of track wherever necessary. Unloading of released track panels consisting of all types of rails & sleepers from Railway wagon at PQRS Depot, using portal cranes including dismantling of released panels to rails, sleepers & fastenings and stacking them material-wise and classification wise at nominated locations within the yard limits with all leads, lift and crossing of tracks.	2570.00	2731.00	8000.00		13301.00	TRM	18.75	249393.75
7	151071	With Railway's portal crane for PSC sleeper track	2570.00	2731.00	8000.00		13301.00	TRM	48.87	650019.87
8	151110	Laying of auxiliary track with all types of rails, already available on cess, fixing rails on wooden blocks / CST-9 pots at 2m interval, true to square, to required alignment & level, fixing with spikes / screws / keys, linking rails with fish plates, bolts & nuts to a gauge of 3400mm (with reference to centre line of existing BG track), levelling both the rails to same plane as that of BG track over stone ballast by way of removing ballast from shoulders of existing track, providing one round of packing. Subsequently, dismantling auxiliary track after completion of PQRS work at site by way of removing wooden blocks / CST-9 pots and carrying same to next stretch / location, if required, where auxiliary track has to be laid and spreading the same at required locations and leaving rails there itself for carrying out TRR work later.	2870.00	2731.00	8639.00	0.00	14240.00	TRM	38.01	541262.40
9	151123	In PQRS work, through rail renewal of BG track on PSC sleepers of any density with all types of rails / rail panels lying in auxiliary track or on cess for replacement of service rails including handling of rails by way of dragging, pairing etc. and leading released service rails to load into BFR / Lorry or to shift to next location including crossing of track with lead & lift and any other incidental works as required.								
10	152010	For rails above 40m length	2570.00	2731.00	8000.00		13301.00	TRM	93.84	1248165.84
11	152020	Carrying out preparatory works before operation of Track Relaying Train (TRT)			32555.00	39375.00	71930.00	TRM	27.32	1965127.60
12	152030	Loading of PSC sleepers in layers on BRH (special type modified BFR for TRT / PQRS working) by using contractor's Gantry (Crane) in TRT / PQRS Base Depot Mechanised loading with Contractor's cranes/Hydra Unloading of released sleepers from BRH (special type modified BFR for TRT working) in Depot by using contractor's Gantry (Crane) and stacking them at nominated locations within the yard limits			54042.00	65364.00	119406.00	Each	8.71	1040026.26
					54042.00	65364.00	119406.00	Each	9.28	1108087.68

Name of the Work :SW-II- Secunderabad Division:- BPQ-KZJ section (DN,UP,UD) :CTR(P) of Exg. 52kg/60kg rails on PSC6 sleepers 1660Nos/km density with new 60KG/90UTS/R- 260 rails on PSC6 wider sleepers 1660 Nos./KM including recompment and increasing of ballast cushion to 35 cm. and deep screening of ballast for a total length of 5.301 Kms by PQRS/TRT Method as per Annexure. SW-II Secunderabad Division:- BPQ-KZJ section (DN,UP&UD line) :TSR(P) of Exg. PSC6 sleepers 1660Nos/km density with PSC6 wider sleepers 1660 Nos./KM including recompment and increasing of ballast cushion to 35 cm. and deep screening of ballast for a total length of 81.43 Kms by PQRS/TRT Method as per Annexure under Sr.DEN/North/SC Jurisdiction.

Sl. No	USSR-2021 ITEMS	Description of work	SW-I		SW-II		Total Quantity	Unit	Rate	Amount in Rs.
			CTR(P)- 2.570 Kms	CTR(P)- 2.731Kms	TSR(P)- 40.555Kms	TSR(P)- 40.875Kms				
13	154010	Carrying out preparatory works for operation of Ballast Cleaning Machine (BCM) which includes making trench in track for inserting cutter bar, supporting track on wooden block supplied by Railway, removal of ballast along with muck from shoulder which is out of reach of cutter chain and putting the same in cutting width or between rails. Rate includes al miscellaneous works, e.g. opening and re-fixing of joggled fish plates, OHE Bonds, dismantling & removing obstructions etc.	2570.00	2731.00	40555.00	38001.00	83857.00	TRM	13.98	1172320.86
14	154020	Carrying out various works during operation of BCM, like filling up of ballast at deficient location from locations where ballast is excess or from adjoining tracks, required initial packing, adjustment of PSC Sleepers, provision wooden blocks supplied by department and attending track parameters etc. complete so as to make track fit for 20 kmph speed.	2570.00	2731.00	40555.00	38001.00	83857.00	TRM	33.79	2833528.03
15	154030	Removal of screened muck discharged by BCM, where muck disposal on side slope is restricted due to platform, cutting, OHE mast etc. and disposing it beyond 5m from edge of cutting up to 3m deep or alternatively carting it up to 50m for disposing off beyond the end of cutting / platform and making up cess wherever low.	1285.00	1366.00	20278.00	11546.00	34475.00	TRM	25.65	884283.75
16	154050	Extra for item nos. from 154030 and 154040 for disposal of muck at a distance beyond 50m for every additional lead of 50 metres or part thereof up to 500 metres	1285.00	1366.00	20278.00	11546.00	34475.00	TRM	2.38	82050.50
17	154070	Removing the ballast from shoulders, left over after BCM working, screening the same removing the muck and putting back the screened ballast into track, boxing the ballast to profile and using released muck for cess making or throwing away within 50m lead and 3m lift when not required for cess repairs and as directed by the Engineer-in-charge.	2570.00	2731.00	40555.00	38001.00	83857.00	TRM	17.77	1490138.89
18	154080	Note: This item shall be used only when BSM is not available. Ballast equalisation & ballast profiling after completion of deep screening work by BCM and/or after unloading of ballast by DMT (Ballast Train), as directed by Site Engineer as per IRPWM including heaping of ballast in tamping zone keeping rails & sleeper top free from ballast, spacing and squaring of sleeper, gauging, cleaning of muck, proper fixing of fastening, attention during each round of sleeper tamping in relation to pre & post working Note: 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 and cess profile.	2570.00	2731.00	40555.00	38001.00	83857.00	TRM	31.86	2671684.02
	154120	Pre, during, and post BCM works for deep screening of ballast in Points and crossings with all contractor's labour, tools and plants as required to carry out the work to the standards in specific time including crossing of tracks etc. complete and as directed by the Engineer - in - charge.					0.00	Track Metre	361.07	0.00
	155010	1. Pre-BCM Operation - a) making trenches for insertion of cutter bars at various locations. as 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.								

Name of the Work :SW-I- Secunderabad Division:- BPQ-KZJ section (DN,UP,UD) :CTR(P) of Exg. 52kg/60kg rails on PSC6 sleepers 1660Nos/km density with new 60KG/90UTS/R- 260 rails on PSC6 wider sleepers 1660 Nos./KM including recoupment and increasing of ballast cushion to 35 cm. and deep screening of ballast for a total length of 5.301 Kms by PQRS/TRT Method as per Annexure. SW-II Secunderabad Division:- BPQ-KZJ section (DN,UP&UD line) :TSR(P) of Exg. PSC6 sleepers 1660Nos/km density with PSC6 wider sleepers 1660 Nos./KM including recoupment and increasing of ballast cushion to 35 cm. and deep screening of ballast for a total length of 81.43 Kms by PQRS/TRT Method as per Annexure under Sr.DEN/North/SC Jurisdiction.

Sl. No	USSR-2021 ITEMS	Description of work	SW-I		SW-II		Total Quantity	Unit	Rate	Amount in Rs.
			CTR(P)- 2.570 Kms	CTR(P)- 2.731Kms	TSR(P)- 40.555Kms	TSR(P)- 40.875Kms				
19	155011	(9) Removing and re-fixing joggled fish plates & wooden blocks, wherever necessary;								
20	155012	(10) Manual consolidation of ballast in crib / shoulders;	514.00	546.00	32444.00	29576.00	63080.00	TRM	16.42	1035773.60
		(11) Removing and refixing of traction bonds during the block in electrified sections	2056.00	2185.00	8111.00	9859.00	22211.00	TRM	18.40	408682.40
		(12) Dressing of ballast Note:								
		1. Tamping blocks are not identical & it may be given at any time either during day or night.								
		2. Stages of payment a) 30% of the rate will be paid on completion of pre tamping attention, b)								
		For day time block working								
		Pre, during & post tamping operations, for tamping of track on level crossing portion								
21	155020	Level crossing with asphalted surface								
22	155021	Removing and refixing of guard Rails over slab bridges during machine packing with all								
		Carrying out pre-tamping, during tamping and post-tamping works for tamping of								
23	156010	1 in 12 Turnouts (Under Traffic Block Conditions)								
		Extra Over Item Numbers 156011 to 156015 for night block working								
24	156020	Extra to Item no. 156012 for night block working								
		Providing lighting arrangements with halogen lamps on and around machine during								
		machine working in night time blocks, with contractor's generator, consumables, all								
		necessary electrical fittings, operators etc.								
		Note:1. Lighting arrangement is to be provided as per advance planning of Night Blocks								
		and written communication.								
157030		2. In case lighting arrangement is made available but not used due to non- availability of								
		block, payment @ 60% of the item rate shall be made.								
		3. In place of Halogen, LED lamps of equal lumen capacity may be used with the approval of								
		Engineer -in-Charge.								
		4. If lighting arrangement fails during block, recovery shall be made twice the rate per day.								
25	157031	BCM/FRM/UNIMAT (7.5 KVA generator and 12x500 W)	10.00	11.00	79.00	79.00	179.00	Night	3524.13	630819.27
26	157032	CSM / DUO / 3X with or without DGS (7.5 KVA generator and 8x500 W)	10.00	11.00	79.00	79.00	179.00	Night	3310.06	592500.74
		Sch 'C' Total								21419624.53
		Schedule - 'D' (NS Items) TRT Track Machine related works								
1	NS-BZA-USSOR-2021	Inserting/Spreading MS plate/Flat on PSC sleepers for movement of TRT sled with contractor's								
	1	own labour. MS plate/Flat will be made available near the site of work and all handling.			54042.00	65364.00	119406.00	Each sleeper	4.12	491952.72
2	NS-BZA-USSOR-2021	Removing the GRP from the PSC sleepers during the TRT work just ahead of picking up of								
	3	sleeper by TRT and again placing the GRP over the sleepers laid by the TRT duly stocking the			54042.00	65364.00	119406.00	Each Sleeper	7.52	897933.12
3	NS-BZA-USSOR-2021	Fixing, driving ERC & liners in correct position manually covering the complete day's work								
	4	including adjusting of rubber pads and liners. (All labour and tools are to be supplied by the			54042.00	65364.00	119406.00	Each Sleeper	14.95	1785119.70
4	NS-BZA-USSOR-2021	Post block attention of track by checking and squaring of out of square sleepers if left behind								
	5	by the TRT including adjusting of rubber pads and liners and fixing / driving the ERC in			54042.00	65364.00	119406.00	Each Sleeper	13.76	1643026.56
5	NS-BZA-USSOR-2021	Assistance in laying of PSC sleepers using TRT machine including shifting of wooden battens								
	8	from the BRH to another BRH, removal of old entangled / broken sleepers at picking unit /			32.00	41.00	73.00	Each block	10216.61	745812.53
6	NS-BZA-USSOR-2021	String lining the 60 kg 10 rail/3 rail panels available on cess on either side of track starting								
	9	from fixed points as beginning of work, points and crossing, bridge approaches, SEJs etc. as			40000.00	65364.00	105364.00	RRM	29.32	3089272.48
7	NS-BZA-USSOR-2021	Removing the PSC sleeper and inserting of 8 No's of wooden/steel sleepers in TRT working and								
	12	releasing the same and inserting the sleeper in the closing point duly trucking out			32.00	41.00	73.00	Each block	2043.32	149162.36

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Sl. No	USSR-2021 ITEMS	Description of work	SW-I		SW-II		Total Quantity	Unit	Rate	Amount in Rs.
			CTR(P)- 2.570 Kms	CTR(P)- 2.731Kms	TSR(P)- 40.555Kms	TSR(P)- 40.875Kms				
8	NS-BZA-USSOR-2021 17	Providing complete arrangements for gas cutting at TRT work spot and depot including gas cutter, DA, Oxygen and gas cutting equipment made available			32.00	41.00	73.00	Each block	3149.39	229905.47
9	NS-BZA-USSOR-2021 18	Fixing of bridges between AT of modified TRT /BRM keeping them tight to all during block for safe passage of portal crane, dismantling the same as and when required including through			32.00	41.00	73.00	Each block	916.78	66924.94
		Sch 'D' Total								9099109.88
Schedule - 'E' (DSR-2021 Items)										
1	16.4	Providing and laying seal coat of premixed fine aggregate (passing 2.36 mm and retained on 180 micron sieve) with bitumen using 128 kg of bitumen of grade VG - 10 bitumen per cum of fine aggregate and 0.60 cum of fine aggregate per 100 sqm of road surface, including rolling and finishing with road roller all complete.			900.00	280.00	1180.00	Sqm	88.55	104489.00
	16.36	Providing and laying Bitumen Penetration Macadam with hard stone aggregate of quality, size and grading as specified, with bitumen of suitable penetration grade, including required key aggregate as specified, spreading coarse aggregate with the help of self propelled/tipper tail mounted aggregate spreader and applying bitumen by a pressure distributor and then spreading key aggregate with the help of aggregate spreader complete, including consolidation with road roller of minimum 8 to 10 tonne capacity to achieve specified values of compaction and surface accuracy :								
2	16.36.1	For 50mm compacted thickness using coarse aggregate of size 50-20 mm graded @ 0.60 cum per 10 sqm key aggregate of size 12.5 mm graded @ 0.15 cum per 10 sqm. With paving asphalt grade VG - 10 @ 50 kg/ 10 sqm.			900.00	280.00	1180.00	Sqm	505.65	596667.00
3	16.4	Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road/vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density					0.00	Cum	1046.95	0.00
		Deduct 15% on DSR-2023 Items								701156.00
		Sch 'E' Total								105173.40
										595982.60
Schedule - 'F' (Pway USSOR items-2021) Arranging labour item										
1	211210	Arranging labour as and when required by the Engineer in charge, for various works under SSE/P.Way, with contractors' T&P, equipments, hand signal flags, etc. as per specifications, special conditions and detailed scope of work as furnished in the tender and as directed by the Engineer in charge. Note: Item shall be operated with prior approval of concerned Sr. DEN / DEN in charge.	100.00	100.00	1200.00	1200.00	2600.00	Per Day	606.09	1575834.00
		Sch 'F' Total								1575834.00
		TOTAL TENDER VALUE ---Rs.7,94,14,905.23/-								79414905.23