



इस्कॉन इंटरनेशनल लिमिटेड
(भारत सरकार का उपक्रम)
IRCON INTERNATIONAL LIMITED
(A Govt. of India Undertaking)
An Integrated Engineering and Construction Company



Katni-Singrauli Rail Doubling Project,
1st Floor, Above Maruti Suzuki Show room,
Near Jhinhari Police Station,
NH-7, Jabalpur Road, Katni 483 501(M.P.)
email - ircon.2065@ircon.org

कटनी-सिंगरौली रेल दोहरीकरण परियोजना
प्रथम तल, मारुती सुजुकी शोरूम के उपर
झिंझरी, पुलिस चौकी के समीप, नेशनल हाईवे-7,
जबलपुर रोड, कटनी - 483 501 (म.प्र.)
ई-मेल - ircon.2065@ircon.org

Original

No: IRCON/2065/KSD/Tender/ Warf BEHR/132/1040

Date: 24.12.2023

To,
M/s Bihari Lal Menghani
WZ-13, 2nd Floor, Bindra Market
Sant Pura, Behind Bank of India
Near Tilak Nagar PS
New Delhi- 110018.

(Letter of Acceptance)

Sub: "Construction of Wharf area (loading/unloading platforms) along with the associate of civil works such as drains, retaining walls, bridges, approach roads etc. and execution of various track works for the construction of proposed Ballast Siding, Goods Siding, Tower Wagon Siding DN Main Line and other associated misc. works in the Beohari Yard in connection with the Katni-Singrauli Doubling Project".

Ref: (i) NIT No-: IRCON/2065/KSD/Tender/ Warf BEHR/132 Date: 28.11.2023.
(ii) Bid submitted on 06.12.2023 and opened on 07.12.2023.
(iii) Revised offer M/s Bihari Lal Meghnani vide letter dated 21.12.2023.

Your revised offer for the work of : "Construction of Wharf area (loading/unloading platforms) along with the associate of civil works such as drains, retaining walls, bridges, approach roads etc. and execution of various track works for the construction of proposed Ballast Siding, Goods Siding, Tower Wagon Siding DN Main Line and other associated misc. works in the Beohari Yard in connection with the Katni-Singrauli Doubling Project" submitted vide references above, has been accepted by the Competent Authority of Ircon International Limited at the total Contract Value of Rs. 15,36,83,021.00 (Rupees Fifteen Crore Thirty Six Lakhs Eighty-Three Thousand twenty One only) including GST @ 18% i.e., 5.38% above estimated cost (Rs. 14,58,36,990.90/-) at the accepted rates of items / schedules as per Annexure-A (attached herewith) to this letter and terms and conditions, incorporating all the corrigendum and addendums issued to the tender documents.

Page 1 of 3

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1. In term of para 7.1 (i) of Special Conditions of Contract: you are requested to submit a Performance Guarantee (P.G.) within 21 days from date of LOA in the form irrevocable bank guarantee in favor of IRCON International, Katni on the Performa annexed as Annexure-X (from any Scheduled Bank for an amount of 5% (Five percent) of the contract value, i.e., 76,84,152/- (Rupees Seventy Six Lakhs Eighty Four Thousand One Hundred Fifty Two only).
2. The entire work is required to be completed within **06 (Six) months** from the date of issue of this letter of acceptance.
3. Your kind attention is invited to the provision of Clause 17 of Special Conditions of Contract. You are required to submit/comply the following:
 - 3.1 In terms of clause 17.1, a programme for completion of work to the Engineer for his approval within 15 days from the date of receipt of letter of acceptance considering completion period as indicated in appendix to tender. Programme so submitted and agreed by IRCON will become part of the contract agreement. (For details, refer to Para 17.1 of SCC).
 - 3.2 In terms of clause 17.2, a detailed Execution/completion Programme with milestones/Key dates based on completion period as indicated in appendix to tender. These shall be incorporated in the Contract Agreement after approval by Engineer in charge (For details, refer to Para 17.2 of SCC).
 - 3.3 In terms of Clause No 17.3: Resource Deployment Program, within 15 days of award of contract, i.e. key personnel, manpower, Plant & Machinery and Other resources deployment program. These shall be incorporated in the Contract Agreement after approval by Engineer in charge.
 - 3.4 In terms of Clause No 17.4: within 15 days of award of contract, Cash flow statement and cumulative monthly progress plan (in the form of S curve). These shall be to be incorporated in the Contract Agreement after approval by Engineer in charge.
 - 3.5 In terms of Clause No 17.5: Within 15 days of award of contract, Method statement for various activities and Quality Assurance Plan (QAP) and start the work after their approval.
 - 3.6 In terms of Clause No 17.6: Within 15 days of the award of the contract, Organization chart of the project with the CV of the key personnel's to be deployed at the project site.
4. You are requested to attend this office for signing of the Contract Agreement on or before 28 days after issue of this letter as per clause no.: 14.5 of Special Conditions of Contract.


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5. All other terms and conditions shall be as per Tender Documents and Corrigendums and Addendums, which shall form an integral part of this contract and shall be binding on you. Your letters at reference above shall form part of the Contract Agreement. This Letter of Acceptance, along with your submitted offer, shall constitute a binding Contract between you and Ircon International Limited, till a formal agreement is drawn and executed.
6. This Letter of Acceptance is being issued in duplicate and you are requested to return one copy of this Letter of Acceptance duly accepted, signed & stamped on each page by your authorized representative.
7. You are advised to mobilize the resources to commence the work. You are requested to contact Project Head, Katni Singrauli Doubling Project for further instructions at the following address:

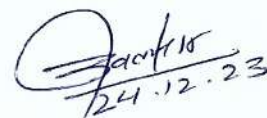
Katni Singrauli Doubling Project,
Ircon International Limited,
First Floor, Over Maruti Suzuki showroom,
Near Jhinhari Police Station, NH-7, Jabalpur
Road, Katni – 483501 (M.P). MO: 7470376222

Thanking You

Enclosed:

- (i) Annexure-A, Bill of quantities (BOQ).

For & on behalf of
IRCON International Limited



(Akhilesh Sahu)
CGM/PH

Copy to:

- (i) GM/Fin/, AGM/C-I, AGM/C-II for information.

Name of Work: Construction of Wharf area (loading/unloading platforms) along with the associate of civil works such as drains, retaining walls, bridges, approach roads etc. and execution of various track works for the construction of proposed Ballast Siding, Goods Siding, Tower Wagon Siding DN Main Line and other associated misc. works in the Beohari Yard in connection with the Katni-Singrauli Doubling Project.

NIT No.: IRCON/2065/KSD/Tender/ Warf BEHR/132 Dated: 28.11.2023

Abstract of Schedules

BOQ

Sl. No.	Schedule	Amount (Rs.)	Remarks
1	Schedule-I (Civil Items)	9,35,21,327.05	
2	Schedule-II (P Way Items)	1,28,67,330.29	
3	Schedule-III (P Way Items)	14,73,480.00	
4	Schedule-IV (P Way & Misc. items)	3,29,74,853.56	
5	A. Schedule-V (Unforeseen Items which is not covered in USSOR (2021))	20,00,000.00	
	B. Schedule-V (Unforeseen Items which is not covered in DSR 2021)	30,00,000.00	
	Total value of work with GST @ 18%	14,58,36,990.90	
	Accepted offer @ 5.38 % above estimate	78,46,030.00	
	Grand Total value of works with GST	15,36,83,021.00	

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Name of Work: Construction of Wharf area (loading/unloading platforms) along with the associate of civil works such as drains, retaining walls, bridges, approach roads etc. and execution of various track works for the construction of proposed Ballast Siding, Goods Siding, Tower Wagon Siding DN Main Line and other associated misc. works in the Beohari Yard in connection with the Katni-Singrauli Doubling Project.

NIT No.: IRCON/2065/KSD/Tender/ Warf BEHR/132 Dated: 28.11.2023

SCHEDULE- I

BOQ

S. N.	DSR- 2021 Item No.	Description	Unit	DSR -2021 Rate ₹ with 12% GST	Rate after 18% GST Multiplying Factor(1.0633)	Quantity	Amount ₹
1	2.6	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.					
	2.6.1	All kinds of soil	cum	205.45	218.45	19,022.00	41,55,355.90
2	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.					
	2.8.1	All kinds of soil	cum	286.85	305.01	5,386.88	16,43,051.86
3	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	cum	253.95	270.03	11,464.00	30,95,623.92
4	2.25(a)	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	cum	368.65	391.99	8,633.67	33,84,312.93
5	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 :					
6	4.1.6	1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 40 mm nominal size derived from natural sources)	cum	6,670.25	7,092.48	486.92	34,53,465.47
7	4.3	Centering and shuttering including strutting, propping etc. and removal of form work for :					
7a	4.3.1	Foundations, footings, bases for columns	sqm	307.95	327.44	8,675.80	28,40,804.28
7b	4.3.2	Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	sqm	669.55	711.93	9,827.07	69,96,186.80
8	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.					
	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	kg	89.65	95.32	3,11,308.09	2,96,73,887.23

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SCHEDULE- I							
BOQ							
S. N.	DSR-2021 Item No.	Description	Unit	DSR -2021 Rate ₹ with 12% GST	Rate after 18% GST Multiplying Factor(1.0633)	Quantity	Amount ₹
10	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, arriage 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 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.					
10a	5.33.1	All works upto plinth level			0.00		-
	5.33.1.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	7,997.30	8,503.53	562.79	47,85,721.23
	5.33.1.3	Concrete of M35 grade with minimum cement content of 370 kg /cum	cum	8,740.90	9,294.20	540.00	50,18,868.00
10b	5.33.2	All works above plinth level upto floor V level					
	5.33.2.3	Concrete of M35 grade with minimum cement content of 370 kg /cum	cum	10,363.30	11,019.30	540.00	59,50,422.00
11	5.35	Add for using extra cement in the items of design mix over and above the specified cement content therein.	quintal	688.45	732.03	548.18	4,01,282.13
12	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:					
	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	6,658.25	7,079.72	200.00	14,15,944.00
13	10.25.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	kg	142.30	151.31	2,000.00	3,02,620.00
14	12.41	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.					
14a	12.41.1	75 mm diameter	metre	213.00	226.48	350.00	79,268.00
		CEMENT PLASTER (IN FINE SAND)					
15	13.1	12 mm cement plaster of mix :					
15a	13.1.2	1:6 (1 cement: 6 fine sand)	sqm	282.00	299.85	1,000.00	2,99,850.00
16	13.2	15 mm cement plaster on the rough side of single or half brick wall of mix :					
16a	13.2.2	1:6 (1 cement: 6 fine sand)	sqm	324.30	344.83	1,000.00	3,44,830.00
17	16.1	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earthwith lead upto 50 metres.	sqm	180.50	191.93	20,580.00	39,49,919.40

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SCHEDULE - I							
BOQ							
S. N.	DSR-2021 Item No.	Description	Unit	DSR -2021 Rate ₹ with 12% GST	Rate after 18% GST Multiplying Factor(1.0633)	Quantity	Amount ₹
18	16.2	Extra for compaction of earth work in embankment under optimum moisture conditions to give at least 95% of the maximum dry density (proctor density).	cum	20.55	21.85	9,156.00	2,00,058.60
19	16.3	Supplying and stacking at site.					
19a	16.3.2	63 mm to 45 mm size stone aggregate	cum	1,624.50	1,727.33	3,395.16	58,64,560.08
19b	16.3.3	53 mm to 22.4 mm size stone aggregate	cum	1,837.25	1,953.55	3,395.16	66,32,612.96
20	16.4	Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road/vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density .	cum	865.80	920.61	3,087.00	28,41,923.07
21	19.35	Providing and laying Non Pressure NP-3 class (Medium duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete					
21a	19.35.4	1000 mm dia RCC pipes (Laying by manual/ mechanical means)	metre	5,980.10	6,358.64	30.00	1,90,759.20
Total of Schedule- I including GST @ 18%							9,35,21,327.05

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Name of Work: Construction of Wharf area (loading/unloading platforms) along with the associate of civil works such as drains, retaining walls, bridges, approach roads etc. and execution of various track works for the construction of proposed Ballast Siding, Goods Siding, Tower Wagon Siding DN Main Line and other associated misc. works in the Beohari Yard in connection with the Katni-Singrauli Doubling Project.

NIT No.: IRCON/2065/KSD/Tender/ Warf BEHR/132 Dated: 28.11.2023

SCHEDULE- II (P.WAY) (USSOR-2021)

BOQ

S. N.	USSOR-2021 Item No.	Description	Unit	USSOR - 2021 Rate ₹ with 12% GST	Rate after 18% GST Multiplying Factor(1.0633)	Quantity	Amount (Rs.)
1	61000	Rails					
2	61010	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.					
3	61011	Up to 40 m long rail panel	RM	9.60	10.21	6000.00	61,260.00
4	61012	More than 40 m long rail panel	RM	15.18	16.14	2000.00	32,280.00
5	63070	Lubrication of Elastic Rail Clips on PSC sleepers with contractor's grease, conforming to Railway's specifications, labour etc. complete as per procedure prescribed in latest edition of IRPWW.	ERC	4.60	4.89	30000.00	1,46,700.00
6	63110	Lubrication of gauge face of rail on curves, cross overs, points & crossings, turn-in curves and at locations as required with contractor's grease graphite grade "O" IS 408 and as directed.	RM	6.13	6.52	10000.00	65,200.00
	65030	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 IRPWW. Note: (1) Rail cutting and hole drilling shall be paid separately. (2) One set comprise complete SEJ on both rails at SEJ.					
7	65031	Under Conditions not requiring Traffic Block	Set	7,190.75	7,645.92	2	15,291.84
8	65032	Under Traffic Block Conditions	Set	7,909.82	8,410.51	2	16,821.02
9	65040	Dismantling & removing existing SEJ (Switch Expansion Joint) assembly during line block and its replacement with plain track as of adjoining section with all fittings including rail cutting and drilling of holes and renewal of special sleepers with PSC Sleepers as directed and aligning rails, providing fishplates and bolts/ temporary connection with adequate welding gap with adjoining rail and ensuring proper track geometry for 30 kmph speed. The release material shall be stacked as directed by Engineer in charge.	Set	9,533.51	10,136.98	4	40,547.92
	71000	Dismantling Works					
	71010	Under Traffic Block:					

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SCHEDULE- II (P.WAY) (USSOR-2021)

BOQ

S. N.	USSOR-2021 Item No.	Description	Unit	USSOR - 2021 Rate ₹ with 12% GST	Rate after 18% GST Multiplying Factor(1.0633)	Quantity	Amount (Rs.)
		Dismantling of existing BG turnouts, diamond crossings and derailing switches with all types of rails and sleeper layout, removing rails, switches, crossings, sleepers & fastenings, leveling of ballast to correct profile & stacking all the released materials, sleepers, fastenings, rails, switches & crossings including segregating & stacking at specified locations in a neat and countable manner, within the lead of 250m & all lift, clear of infringements, crossing of track, if any complete, as directed.					
		Note:					
		1. This item shall be operated only when existing turnout is replaced either with new turnout in case of TTR or with plain track when existing turnout is no more required at that location.					
		2. Rail cutting will be paid extra under relevant item.					
		3. Laying of new turnout or plain track on prepared ballast bed, as required, shall be paid separately under relevant item.					
10	71011	1 in 8½ Turnout (Under Traffic Block)	Set	32,787.23	34,862.66	2	69,725.32
11	71012	1 in 12 Turnout (Under Traffic Block)	Set	37,570.36	39,948.56	3	1,19,845.68
		Under conditions not requiring Traffic Block:					
		Dismantling of existing BG turnouts, diamond crossings and derailing switches with all types of rails and sleeper layout, removing rails, switches, crossings, sleepers & fastenings, leveling of ballast to correct profile & stacking all the released materials, sleepers, fastenings, rails, switches & crossings including segregating & stacking at specified locations in a neat and countable manner, within the lead of 250m & all lift, clear of infringements, crossing of track, if any complete, as directed -					
		Note:					
		1. This item shall be operated only when existing turnout is replaced either with new turnout in case of TTR or with plain track when existing turnout is no more required at that location.					
		2. Rail cutting will be paid extra under relevant item.					
		3. Laying of new turnout or plain track on prepared ballast bed, as required, shall be paid separately under relevant item.					
12	71026	Derailing Switch (Under conditions not requiring Traffic Block).	Set	5,967.20	6,344.92	2	12,689.84
	72000	Assembling, Insertion and laying Works					

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SCHEDULE- II (P.WAY) (USSOR-2021)							
BOQ							
S. N.	USSOR-2021 Item No.	Description	Unit	USSOR - 2021 Rate ₹ with 12% GST	Rate after 18% GST Multiplying Factor(1.0633)	Quantity	Amount (Rs.)
	72010	Assembling complete BG Turnout on staging, clear of infringements, to correct gauge and alignment as per standard drawings with all types of rail sections over PSC sleepers at specified locations, duly leading rails, special sleepers, switches, crossings with a maximum lead of 500m, all lift & crossing of track as required and testing points with S&T staff for throw of switch etc. at station yard after levelling surface complete including lubrication of all fastenings, complete in all respect. Note:					
		1. Rail cutting and Drilling shall be paid separately 2. Required P.Way fittings/fastenings shall be supplied at the SSE/P.Way stores.					
13	72011	1 in 8½ Turnout	Set	41,010.47	43,606.43	1	43,606.43
14	72012	1 in 12 Turnout	Set	46,094.63	49,012.42	4	1,96,049.68
	72040	Laying and linking of turnouts of all types including diamond crossings & Derailing switches with 52Kg / 60Kg rail section on PSC sleepers on prepared ballast bed for New lines or during total closure of section at indicated location as per standard drawing, duly leading sleepers, rails, switches, crossings, fastenings including rail cutting, drilling, fixing of 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.					
15	72041	1 in 8½ Turnouts	Set	46,279.26	49,208.74	1	49,208.74
16	72042	1 in 12 Turnouts	Set	53,652.64	57,048.85	3	1,71,146.55
17	72046	Derailing Switch	Set	10,354.30	11,009.73	2	22,019.46
18	83030	Boxing and profiling of ballast as per procedure prescribed in latest edition of IRPVM 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, dweeding on ballast section etc and as directed by Engineer In charge.	TRM	27.59	29.34	4000	1,17,360.00
	121000	Dismantling Works					
19	121010	Dismantling of existing LWR/SWR track of any structure, removing rails, sleepers, fish plates, cutting of rails, segregation and stacking of released Rails, Sleepers and fitting at nominated location in countable manner within a free lead of 500m, levelling of ballast to correct profile for laying new track over it, all as per direction of Engineer-in-Charge.	TRM	199.07	211.67	1000	2,11,670.00

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SCHEDULE- II (P.WAY) (USSOR-2021)							
BOQ							
S. N.	USSOR-2021 Item No.	Description	Unit	USSOR - 2021 Rate ₹ with 12% GST	Rate after 18% GST Multiplying Factor(1.0633)	Quantity	Amount (Rs.)
20	121020	Dismantling existing sand humps in yards from end of turnout to end of sand hump. Scope includes dismantling of track and brick / stone masonry on either sides of track, removing sand and earth to the required level including clearing site and stacking released materials within maximum lead of 250m, clear of infringement, complete and as directed.	Each	14,048.35	14,937.61	1	14,937.61
	122000	Shifting & Pairing Works					
	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.					
21	122011	Rail length up to 13m - Under Traffic Block	RM	20.91	22.23	2000	44,460.00
22	122015	For rails/panels of more than 40m length - Under Traffic	RM	45.34	48.21	2000	96,420.00
	123000	Laying & Linking Works					
23	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	46.99	49.96	4000	1,99,840.00
	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 IRPVM 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.					

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SCHEDULE- II (P.WAY) (USSOR-2021)

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S. N.	USSOR-2021 Item No.	Description	Unit	USSOR - 2021 Rate ₹ with 12% GST	Rate after 18% GST Multiplying Factor(1.0633)	Quantity	Amount (Rs.)
		Note:					
		1. Rail cutting and Hole drilling shall be paid separately.					
		2. Spreading of ballast and compaction shall be paid separately under relevant item.					
24	123041	For sleeper density of 1660 sleepers per km	TRM	312.42	332.20	1000	3,32,200.00
25	123042	For sleeper density of 1540 sleepers per km	TRM	289.88	308.23	3000	9,24,690.00
	123090	Shifting / Slewing the existing or newly assembled track of any rail section with any type of sleepers and any density under line block to correct locations & alignment and attending to one round kutcha packing to run safely at 20KMPH speed with all contractors tools and consumables complete and as directed by Engineer in-charge.					
26	123091	Maximum Shifting / Slewing up to 1 metre	TRM	216.63	230.34	1000	2,30,340.00
	124030	Providing Caution Watchman at a location where caution order is imposed and ensuring to be on continuous vigil and exhibit necessary hand signals to the trains for their passage over caution spot. Note: 1) Prescribed protection equipment shall be supplied by Railways and the same shall be returned after work is over. 2) If Contractor fails to post watchman at any time during one day, penalty at double the accepted rates will be levied and 3) The watchman nominated by the contractor will be screened for suitability as per Railway norms.					
27	124031	For one shift (12 Hrs)	Each	1,289.10	1,370.70	90	1,23,363.00
	131030	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 50mm.					
28	131031	For PSC Sleeper Track with Sleeper Density of 1540	TRM	131.38	139.70	6000	8,38,200.00
29	131032	For PSC Sleeper Track with Sleeper Density of 1660	TRM	144.51	153.66	3000	4,60,980.00
	131050	Through packing of points and crossings, derailling switches including gauging, fittings recouplement, ballasting as required, elimination of sag and to the required alignment after Deep Screening as per procedure prescribed in latest edition of IRPWM complete as per direction of Engineer-in-charge. Note: This work shall be operated in exceptional cases with written approval at DEN level when UNIMAT is not available and immediate packing is required to pass train over it.					
30	131051	1 in 8½ PSC layout	Set	12,021.37	12,782.32	6	76,693.92
31	131052	1 in 12 PSC layout	Set	15,640.49	16,630.53	18	2,99,349.54

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SCHEDULE- II (P.WAY) (USSOR-2021)							
BOQ							
S. N.	USSOR-2021 Item No.	Description	Unit	USSOR - 2021 Rate ₹ with 12% GST	Rate after 18% GST Multiplying Factor(1.0633)	Quantity	Amount (Rs.)
32	131054	1 in 8½ Derailing Switch	Set	1,709.55	1,817.76	6	10,906.56
	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: (1) Welding of rail joints will be paid separately. (2) Rail cutting and Hole drilling shall be paid separately. (3) Opening and closing of LC if required will be paid separately. (4) As per procedure prescribed in latest edition of IRPWM & CE's Circulars for destressing of LWR/CWR, if any.					
33	135013	Without Rail tensor	TRM	50.90	54.12	2000	1,08,240.00
	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).					
34	136011	With 2 bolts	Set	115.97	123.31	300	36,993.00
	136070	Fixing of Wooden Distance Block of size 1.0m x 0.3m x 0.15m between track and platform wall.					
35	136072	With Contractor's hard wood block.	Each	2,940.04	3,126.14	50	1,56,307.00
	137070	Marking, inscribing, painting, writing, bordering etc. on new / old iron surface at various locations of Points & Crossings with details of turn- in / turn-out reference station mark on rail web for one set, duly preparing surface with contractor's wire brush and applying two coats of yellow synthetic enamel paint of approved quality as background and stenciling the details to suitable size, as described for every curve reference station mark / switch / crossing details with black enamel paint of approved quality complete, as directed : Note: Stenciling of letters is only permitted. No hand written letters are					
36	137072	1 in 12 Turnout	Set	1,364.03	1,450.37	7	10,152.59
37	137073	1 in 8½ Turnout	Set	884.78	940.79	2	1,881.58
38	137074	Derailing Switch	Set	442.39	470.39	2	940.78
	137080	Painting 2 coats to various P.Way Reference Post, Structures etc. with enamel paint of approved make with 2 coats of different colours & letters, as directed by Engineer in-charge.					
39	137083	LWR / SEJ Board	Each	183.83	195.47	20	3,909.40

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SCHEDULE- II (P.WAY) (USSOR-2021)

BOQ

S. N.	USSOR-2021 Item No.	Description	Unit	USSOR - 2021 Rate ₹ with 12% GST	Rate after 18% GST Multiplying Factor(1.0633)	Quantity	Amount (Rs.)
	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; (9) Removing and re-fixing joggled fish plates & wooden blocks, wherever necessary; (10) Manual consolidation of ballast in crib / shoulders; (11) Removing and re-fixing of traction bonds during the block in electrified sections (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) Balance 70% of the rate will be paid on completion of post tamping. 3. Recovery at the rate of twice the above applicable rate will be effected 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.					
40	155011	For day time block working	TRM	19.88	21.14	2000	42,280.00
41	155013	New Line Section, not opened for traffic	TRM	10.84	11.53	8000	92,240.00
		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;					

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SCHEDULE- II (P.WAY) (USSOR-2021)							
BOQ							
S. N.	USSOR-2021 Item No.	Description	Unit	USSOR - 2021 Rate ₹ with 12% GST	Rate after 18% GST Multiplying Factor(1.0633)	Quantity	Amount (Rs.)
	156010	(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 operation of points (12)Manual consolidation of ballast in cribs and shoulders; (13) 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; (14) Recovery at the rate of twice the applicable rate will be effected in case contractor fails to carry out any of the pre/during/post operation.					
42	156011	1 in 8½ Turnouts (Under Traffic Block Conditions)	Set	9,768.62	10,386.97	4	41,547.88
43	156012	1 in 12 Turnouts (Under Traffic Block Conditions)	Set	11,372.80	12,092.70	12	1,45,112.40
	156030	Carrying out pre-tamping, during tamping and post-tamping works prescribed in current version IRTMM/IRPWM for tamping of Turnouts of all types Under Conditions not requiring Traffic Block.					
44	156031	1 in 8½ Turnouts	Set	5,861.17	6,232.18	2	12,464.36
45	156032	1 in 12 Turnouts	Set	6,823.68	7,255.62	6	43,533.72
46	156035	Derailing Switch	Set	2,151.52	2,287.71	2	4,575.42
47	157010	Carrying out various miscellaneous works, for proper upkeep of crew rest van / rest room as directed by machine in-charge of Track Machines by providing a team of 2 labours for 12 hours shift, broadly mentioned hereunder: (1) Bringing water from nearby source and cleaning machine with water jet or any suitable means; (2) Fuelling machine duly bringing diesel / hydraulic oil from the stacked drums; (3) Bringing water to staff rest van or staff rest room, cleaning rest van / rest room, cooking food for Track Machine staff or bringing food from outside (cost of food shall be borne by the staff concerned).; (4) Guarding & watching machines, spare parts, oils, grease etc. during day and night time at all locations, wherever necessary, as instructed by the machine in-charge; (5) In case, contractor provides less no. of Labour/Mate, payment will be deducted for each such person @ 75% of the accepted item rate.	Shift	1,467.72	1,560.63	60	93,637.80

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SCHEDULE- II (P.WAY) (USSOR-2021)							
BOQ							
S. N.	USSOR-2021 Item No.	Description	Unit	USSOR - 2021 Rate ₹ with 12% GST	Rate after 18% GST Multiplying Factor(1.0633)	Quantity	Amount (Rs.)
	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.					
48	172041	Lead up to 5 Km	MT	175.92	187.06	200	37,412.00
	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.					
49	171014	In Wagon where mechanical handling is possible and traffic block is not required or in Truck/trailer.	MT	136.44	145.08	550	79,794.00
	171020	Loading of tongue rail, stock rail, switch assembly and crossings of any section and length, SEJ, Glued joint etc. with / without P.Way fittings and fastenings, in Wagon / Truck / trailer including lead up to 250 metre and lift up to 5 metre.					
50	171024	In Wagon where mechanical handling is possible and traffic block is not required or in Truck/trailer.	MT	134.38	142.89	70	10,002.30
	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.					
51	171053	From Wagon where mechanical handling is possible and traffic block is not required or in Truck / trailer.	MT	100.82	107.20	550	58,960.00
	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%					
52	172014	In Wagon where mechanical handling is possible and traffic block is not required or in Truck / trailer	MT	106.60	113.35	2500	2,83,375.00
	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.					

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SCHEDULE- II (P.WAY) (USSOR-2021)							
BOQ							
S. N.	USSOR-2021 Item No.	Description	Unit	USSOR - 2021 Rate ₹ with 12% GST	Rate after 18% GST Multiplying Factor(1.0633)	Quantity	Amount (Rs.)
		Note: In case of any damage to sleeper during loading, penalty @ 50% of the all inclusive cost of sleeper shall be levied.					
53	172024	In Wagon/Truck / trailer where mechanical handling is possible and traffic block is not required.	MT	133.94	142.42	450	64,089.00
	172050	Transportation of Rails, sleepers, switches, crossings, SEJs and Glued Joints by road vehicles for different leads.					
		Note: 1. Lead shall be the shortest motorable road length between the points of loading and unloading. 2. Loading and unloading shall be paid extra under relevant items.					
54	172051	Lead up to 5 Km	MT	53.94	57.35	3000	1,72,050.00
55	172057	Lead beyond 100 Km and up to 150 Km	MT	851.96	905.89	550	4,98,239.50
56	172058	Extra for every Km per MT beyond 150 Km over item no. 172057	MT Km	3.25	3.46	100000	3,46,000.00
	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%					
57	172063	From Truck / Trailer	MT	98.23	104.45	2500	2,61,125.00
	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%					
58	172073	From Truck / Trailer	MT	103.01	109.53	450	49,288.50
	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.					
59	173013	From Truck / Trailer	MT	138.77	147.55	70	10,328.50
	211010	Painting and fixing MS Indicator Boards of curves, SEJs, Points & Crossings, Gang/section jurisdiction and similar as per standard design including excavation, refilling, concreting in foundation and painting two coats with enamel and luminous paints as directed by Engineer in-charge.					

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SCHEDULE- II (P.WAY) (USSOR-2021)

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S. N.	USSOR-2021 Item No.	Description	Unit	USSOR - 2021 Rate ₹ with 12% GST	Rate after 18% GST Multiplying Factor(1.0633)	Quantity	Amount (Rs.)
		Note: Excavation, concrete work and lettering shall be paid separately.					
60	211012	Boards with two posts	Each	182.49	194.04	20	3,880.80
	211020	Erection or removal of temporary Engineering Indicator Board or any other board at specified locations without causing infringement to track etc. complete and as directed.					
61	211021	For erection	Each	268.32	285.30	20	5,706.00
62	211022	For removal	Each	218.08	231.88	20	4,637.60
63	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	507.24	539.35	6	3,236.10
64	211070	Providing and erecting water proof Gypsy Tent of size 3m x 3m for a specific period of time and removal of the same after completion of work or as directed by Engineer in-charge.	Day	903.11	960.28	60	57,616.80
	211080	Providing furniture temporarily at site work in good condition at different locations as per direction of Engineer In-charge and removing the same after completion of work.					
65	211081	Office Table of size 1.2m x 0.9m per day	Each	94.22	100.18	60	6,010.80
66	211082	Office Chairs with cushioned seat, back and arms per day	Each	59.15	62.89	240	15,093.60
67	211210	Arranging labour as and when required by the Engineer in charge, for various works under SSE/P.Way, with contractor's 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.	Day	735.87	782.45	200	1,56,490.00
68	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	18,384.60	19,548.35	5	97,741.75
	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)					

SCHEDULE- II (P.WAY) (USSOR-2021)

BOQ

S. N.	USSOR-2021 Item No.	Description	Unit	USSOR - 2021 Rate ₹ with 12% GST	Rate after 18% GST Multiplying Factor(1.0633)	Quantity	Amount (Rs.)
69	161011	60 Kg - 110/90 UTS - Outside Track	Each	261.75	278.32	1000	2,78,320.00
70	161014	60 Kg - 110/90 UTS - On Running Line	Each	331.17	352.13	400	1,40,852.00
	161040	Drilling holes of 16 mm to 32 mm dia. with Rail Drilling machine including chamfering with appropriate chamfering tools in all types of rail section with contractor's tools & plants, equipment, consumable with all lead & lift etc. complete, as directed by Engineer in-charge. Rail Drilling Machine will be as per RDSO Specification No. TM/SM/3, dated 24.04.1991.					
71	161041	Outside Track	Each	53.95	57.37	3000	1,72,110.00
72	161042	On Running Line	Each	71.32	75.83	1000	75,830.00
	91000	Supply of Alumino Thermic Welding Portions					
	91010	Manufacturing and Supply of Alumino thermic welding portions of 52Kg/60 Kg/60EI-R260 as approved by RDSO for welding of rails 52Kg/60Kg/60EI-R260 kg for 25mm gap by the process of AT welding along with complete accessories confirming to the specification laid down in Indian Railway Standard specification No.IRST-19-2020 up to date correction slips with Single shot crucible fitted with Automatic Tapping Thimble, 3 pieces pre fabricated mould (Zircon washed) manually pressed using compressed air petrol/LPG pre heating for execution of welding of rail joint as directed by the engineer in charge at site.					
		Note: 1. The accessories along with welding portion shall be supplied as per Annexure-I of the IRUSSOR - 2021.					
73	91011	For 60Kg 90 UTS Rails	Each	2,218.86	2,359.31	300	7,07,793.00
74	91013	For 60Kg/60EI- R260 rails	Each	4,007.19	4,260.85	200	8,52,170.00
	92010	25mm gap 'in-situ' welding during traffic block 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. Welding shall be carried out only by trained welder having valid competency certificate using RDSO approved Alumino Thermit Welding Portions, 3 piece prefabricated mould (ZIRCON WASHED) manually pressed, Single shot crucible fitted with auto tapping thimble and Compressed Air Petrol/LPG preheating technique as per RDSO Specification No IRST/19-2020 with latest amendment.					

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SCHEDULE- II (P.WAY) (USSOR-2021)							
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S. N.	USSOR-2021 Item No.	Description	Unit	USSOR - 2021 Rate ₹ with 12% GST	Rate after 18% GST Multiplying Factor(1.0633)	Quantity	Amount (Rs.)
		2. Hydraulic Weld trimmer shall be used for chipping and profile Grinder for finishing.					
		3. Only 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. All other items required shall be supplied by the Contractor.					
75	92011	For 60 Kg - 90 UTS Rail	Each	4,547.55	4,835.41	200	9,67,082.00
76	92012	For 60 Kg/60EI - R260 grade Rail	Each	6,534.38	6,948.01	100	6,94,801.00
	92040	25mm gap Cess Welding and finishing of weld to meet the prescribed tolerances and pass all stipulated tests with Contractor's 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 all required handling and rehandling of rails, marking of welded joint, painting weld collar with anticorrosive paint, as directed by Engineer in charge. Note: 1. Welding shall be carried out only by trained welder having valid competency certificate using RDSO approved Alumino Thermit Welding Portions, 3 piece prefabricated mould (Zircon washed) manually pressed, Single shot crucible fitted with auto tapping thimble and Compressed Air Petrol/LPG preheating technique as per RDSO Specification No IRST/19-2020 with latest amendment. 2. Hydraulic Weld trimmer shall be used for chipping and profile Grinder for finishing.					
77	92041	For 60 Kg - 90 UTS Rail	Each	3,417.16	3,633.47	100	3,63,347.00
78	92042	For 60 Kg/60EI - R260 grade Rail	Each	5,232.10	5,563.29	100	5,56,329.00
Total of Schedule-II including GST @ 18%							1,28,67,330.29

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Name of Work: Construction of Wharf area (loading/unloading platforms) along with the associate of civil works such as drains, retaining walls, bridges, approach roads etc. and execution of various track works for the construction of proposed Ballast Siding, Goods Siding, Tower Wagon Siding DN Main Line and other associated misc. works in the Beohari Yard in connection with the Katni-Singrauli Doubling Project.

NIT No.: IRCON/2065/KSD/Tender/ Warf BEHR/132 Dated: 28.11.2023

SCHEDULE- III (PWAY ITEMS) (USSOR-2019)

BOQ

S. N.	USSOR-2019 Item No.	Description	Unit	USSOR -2019 Rate ₹ with 12% GST	Rate after 18% GST Multiplying Factor(1.0633)	Quantity	Amount ₹
1	08105	Running out / Putting of railway's stone ballast from existing stacks available along alignment either on top of cutting or on formation or at toe of bank by head leads or by any other means and spreading to the required profile with contractor's labour, tools & plants, as directed by Engineer in-charge. {Payment shall be made based on ballast stack measurement}					
1(a)	081051	For lead upto 50m and lift up to 5m	Cum	113.22	120.39	10000	12,03,900.00
1(b)	081052	Extra over Item above 1(a) for each additional lead of 50 m or part thereof when total lead exceed 50m, but upto 250m for each Cum	Each	32.08	34.11	2000	68,220.00
2	121070	Provision of barricading with contractor's bamboos / balli vertical post of 75 to 100mm dia. planted at every 2m interval, projecting at least 1.5m above ground level and driven firmly (minimum 0.5m) inside ground and including painting verticals & horizontals with red luminous paints / strips at alternative bay on barricade. Barricades shall be completely removed when no longer required by engineer in-charge. (60% payment shall be made on provision of barricading at work-site)					
2(a)	121072	Joining with strong nylon rope in one cross and one horizontal pattern of minimum 5mm dia.	Running g Metre	94.69	100.68	2000	2,01,360.00
Total Amount of Schedule- III Including GST @ 18% (Rs.)							14,73,480.00

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Name of Work : Construction of Wharf area (loading/unloading platforms) along with the associate of civil works such as drains, retaining walls, bridges, approach roads etc. and execution of various track works for the construction of proposed Ballast Siding, Goods Siding, Tower Wagon Siding DN Main Line and other associated misc. works in the Beohari Yard in connection with the Katni-Singrauli Doubling Project.

NIT No.: IRCON/2065/KSD/Tender/ Warf BEHR/132 Dated: 28.11.2023

SCHEDULE- IV - A (NON SOR Items)

BOQ

S. N.	Description	Unit	Rate including GST @ 18%	Quantity	Amount (Rs.)
1	Carriage by any road vehicle, rails, switches, X-ings, wooden sleepers, concrete/metal sleepers, fish plates, bearing plates, tie bars, keys, cotters and other fittings including loading & unloading materials to all places and locations as specified. Note: 1) For payment Weight of Sleeper, Rail and other P-way fittings will be taken as per design weight/nominal weight.				
2	(b) Aggregate 40 mm and above cum/trip (Lead upto 1 km as per chart A col. No.4 of SOR 2007	cum	167.80	10000	16,78,000.00
3	(c) Aggregate 40 mm and above cum/trip (Lead upto 2 km as per chart A col. No.4 of SOR 2007	cum	205.16	2000	4,10,320.00
4	Providing Road vehicles mentioned below for the use of Engineer/Employer as per the condition mentioned in special conditions of contract-I				
5	Bolero, Scorpio or similar SUV as directed by Engineer in charge.	Vehicle month	74,682.85	18.00	13,44,291.30
6	Extra for running and maintenance of every additional Km over and above 3000 Kms (For Bolero/scorpio or similar SUV equivalent) as specified in special conditions of contract-I	Per Km	18.77	20000.00	3,75,400.00
7	Providing service such as maintaining records of files movements, receiving & sending fax, maintaining files computer operator maintenance etc. (Semi skilled) inclusive of all taxes.	man month	24,387.29	3.00	73,161.87
8	Providing Graduate Engineers in civil discipline with 03 yr. experience for site work, design, section and maintaining records etc. inclusive of all taxes.	man month	54,627.53	3.00	1,63,882.59
9	Track Engineer having relevant experience in track work like assembling of turnout / layout of curve and having CAD operating knowdge etc. The person will be deployed with prior approval of Engineer on submission of details CV and Certifications. Qualification & Experience :-1) Diploma in civil engineer having total experience 5 yeras & minium experience in track work 3 years Note:- Only the office space for accommodating to track engineer shall be provided at Ircon's site office. All other facilities for daily execution of work by engineer Viz. Vehicles, Stationary and consumables , computers and peripherals, office equipment, accomodation, assisting staff etc. shall be provided by the contractor. The Track engineer shall visit site locations as per instructions of project -in -charges of ircon at contractor's on cost.	man month	85,803.59	6.00	5,14,821.54

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SCHEDULE- IV - A (NON SOR Items)					
BOQ					
S. N.	Description	Unit	Rate including GST @ 18%	Quantity	Amount (Rs.)
10	Manufacturing and supplying ERC Mk-V, T-5919 as per IRS specification T-31,1992 with all contractor's material, labour, tools & plants and machinery, all lead & lift etc. and as directed by the Engineer in-charge :	Each	134.67	31000.00	41,74,770.00
11	Manufacturing and supplying G.R.Sole plate, T-8747 as per IRS specification with all contractor's material, labour, tools & plants and machinery, all lead & lift etc. and as directed by the Engineer in-charge :	Each	49.79	14000.00	6,97,060.00
12	Manufacturing and supplying Metal liner, T-8748 as per IRS specification with all contractor's material, labour, tools & plants and machinery, all lead & lift etc. and as directed by the Engineer in-charge :	Each	22.27	31000.00	6,90,370.00
Schedule - IV (A) Total Amount Including GST @ 18% (Rs.)					1,01,22,077.30

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Name of Work : Construction of Wharf area (loading/unloading platforms) along with the associate of civil works such as drains, retaining walls, bridges, approach roads etc. and execution of various track works for the construction of proposed Ballast Siding, Goods Siding, Tower Wagon Siding DN Main Line and other associated misc. works in the Beohari Yard in connection with the Katni-Singrauli Doubling Project.

NIT No.: IRCON/2065/KSD/Tender/ Warf BEHR/132 Dated: 28.11.2023

SCHEDULE- IV - B (NON SOR Items)

BOQ

S. N.	Description	Unit	Rate excluding GST	Quantity	Amount (Rs.)
1	Loading/Unloading G.I. Sheet, rails, Joist, built up sections, angles, C.I., Ductile pipes, AC. Pipes or G.I. Pipes, RCC/PCC beams/ slabs and other miscellaneous iron work or wood work including lead upto 50 m and stacking properly into/from trucks, trailers or wagons				
a	individual length upto 3.50 m	MT	106.67	15,244.32	16,26,111.61
2	Leading miscellaneous materials such as iron work, rails, fitting and fastenings, pipes, wooden logs, stones over pitching stone size, RCC/PCC Beams/ Slab etc and all similar articles (each individual articles or bundle being not more than 3.50 m long in the longest direction) including all loading, unloading stacking, lead over 500 m and upto 10 km. Note lead under this item is payable when same exceeds 500m.	MT	135.32	15,244.32	20,62,861.38
3	Additional lead for every subsequent Km or part thereof, over 10 Km and upto 100 Km over item No.021150.	MT/KM	6.18	13,71,988.80	84,78,890.78
4	Additional lead for every subsequent Km or part thereof, over 100 Km and upto 400 Km over item No.021150 & 021151.	MT/KM	5.65	10,67,102.40	60,29,128.56
5	Providing of sub grade for excavated earth up to 35cm depth dressing, leveling, watering & consolidation including making good the undulations, disposal of surface earth with lead up to 50m setting of Railway released broad gauge PSC sleeper of 52/60 Kg rails as per instruction & entire satisfaction of engineer in charge packing & filling of voids between sleepers by stone dust (stone dust to be paid separately) with all contractors labor, tools & plants etc. required as a complete job	Sqm	99.47	11,760.00	11,69,767.20
Sub Total Amount excluding GST (Rs.)					1,93,66,759.54
Schedule - IV (B) Total Amount Including GST @ 18% (Rs.)					2,28,52,776.26
Grand Total of Schedule - IV (A+B) Including GST @ 18%					3,29,74,853.56

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Name of Work: Construction of Wharf area (loading/unloading platforms) along with the associate of civil works such as drains, retaining walls, bridges, approach roads etc. and execution of various track works for the construction of proposed Ballast Siding, Goods Siding, Tower Wagon Siding DN Main Line and other associated misc. works in the Beohari Yard in connection with the Katni-Singrauli Doubling Project.

NIT No.: IRCON/2065/KSD/Tender/ Warf BEHR/132 Dated: 28.11.2023

SCHEDULE - V (unforeseen Items)

BOQ

Sl. No.	Description of item	unit	Quantity up to amount (Rs.)	Qty	Amount (Rs.)	Remarks
1	Any other Items of IR USSOR 2021 in addition with up to date correction slips not covered by the items of schedule/BOQ above (As per item to be executed)	Lumpsu m	20,00,000.00	1	20,00,000.00	
2	Any other items of DSR 2021 in addition with up to date correction slips not covered by the Items of Schedule/BOQ above (As per item to be executed)	Lumpsu m	30,00,000.00	1	30,00,000.00	
TOTAL Amount Including GST @ 18% (Rs.)					50,00,000.00	

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Anil
M.R. Podder