



इरकॉन इंटरनेशनल लिमिटेड
(भारत सरकार का उपक्रम)
IRCON INTERNATIONAL LIMITED
(A Govt. of India Undertaking)



An integrated Engineering and Construction Company

Email id: ircon.2066@ircon.org

सोन भवन (प्रथम तल), दारोगा प्रसाद राय पथ, पटना - 800 001, फोन : 0612-2506446, फैक्स : 0612-2506888
Sone Bhawan (First Floor), Daroga Prasad Rai Path, Patna - 800 001, Phone : 0612-2506446, Fax : 0612-2506888

No. IRCON/2066/RTR/TENDER/06-2023/LOA/ 1122

Dated: 24-08-2023

(Original)

Letter of Acceptance

M/s Metcon India Reality and Infrastructure Private Limited.
6/2, Mount view, 51, L.J. Road,
Mahim (W),
Mumbai-400016
E-Mail: tech@metcon.in

Name of work: Track linking for ballasted BG LWR/SWR track, linking of points & crossings including supply of P. Way small fittings and materials along with spreading of stone ballast on finished formation, packing of track as well as Points & crossings, AT & FB welding, carting, loading and unloading of all P.Way materials and allied miscellaneous works in Rampur Dumra-TAL-Rajendrapul Additional Bridge and Doubling Project.

- Reference
1. IRCON/2066/RTR/TENDER/06-2023 Date: 11/07/2023
 2. Technical Bid opened on 01.08.2023
 3. Financial Bid opened on 22.08.2023
 4. Your online offer submission Date: 31.07.2023

Dear Sir,

With reference to above this is to inform you that your offer for the above subjected work has been accepted by the competent authority at a total contract value of ₹ 30,15,09,142.00 (INR Thirty Crore Fifteen Lakh Nine Thousand One hundred and Forty-Two only) including GST @ 18% and ₹ 25,55,16,221.83 (Rupees Twenty-Five Crore Fifty-Five Lacs Sixteen Thousand Two Hundred Twenty-One and Eighty-Three paise Only) without GST as per BOQ Item enclosed at Annexure-I, on the following terms & conditions as stipulated in the tender Documents and as given below.

- 1) Contractor shall be expected to mobilize on subject work and commence the same within 7 days from the date of issue of Letter of Acceptance (LOA).
- 2) The work shall be completed within 12 months from the date of issue of LOA in terms of Clause No.- 11 of Special Conditions of Contract.
- 3) The payment shall be made by IRCON as specified in Clause No.- 47, 48, 49 and 50 of Special Conditions of Contract.
- 4) The above rate/cost is inclusive of all cost of materials, transportation & royalty, octroi, labour cess and other taxes imposed by Central /State Govt. and local bodies including

पंजीकृत कार्यालय : सी-4, डिस्ट्रीक्ट सेंटर, साकेत, नई दिल्ली . 110017, भारत

Registered Office : C-4 District Centre, Saket, New Delhi - 110017 (INDIA)

Tel.: +91-11-29565666 Fax : +91-11-26854000 : E-mail : info@ircon.org : Web. : www.ircon.org

CIN : L45203DL1976GO1008171



incidental charges.

- 5) You are requested to submit a total performance guarantee for an amount of ₹ 2,07,05,300.00 (as per clause 17.1 (ii) of special conditions of contract for an amount of 5% of the contract value i.e ₹ 1,50,75,457.08 and additional performance guarantee as per clause 17.1 (vii) of special conditions of contract i.e. ₹ 56,29,838.74). which needs to be submitted within 21 (twenty-one) days from the date of issue of Letter of Acceptance (LOA), but before signing of the contract agreement.
- 6) You are requested to submit insurance policies as per per Clause No.- 13.0 of Special Conditions of Contract.
- 7) The contractor shall submit detailed work programme within 15 days of award of work as per Clause No. -23 of Special Conditions of Contract.
- 8) The aforesaid offer is based on your acceptance to all conditions of the above tender without any deviations.
- 9) You are requested to execute the contract agreement within 28 days of issue of this letter as per clause no.20.5 of Special Conditions of Contract. You are also requested to arrange stamp duty paper of requisite value as per the prevailing laws for signing of the contract agreement.
- 10) All other terms and conditions shall be as per tender documents and corrigendums which is an integral part of this contract and shall be binding on you .
- 11) This letter will constitute a legal and binding contract between IRCON International Limited and M/s Metcon India Reality and Infrastructure Private Limited. 6/2, Mount view, 51, L.J. Road, Mahim (W), Mumbai-400016 till such time the contract agreement is signed.
- 12) The Letter of Acceptance (LOA) is being issued to you in marked "ORIGINAL" & "DUPLICATE" with an advice to return the "DUPLICATE" duly signed and stamped as a token of your acceptance.
- 13) For further instruction, please contact Sh. Mahesh Kumar (GM/Mokama).

Thanking you

Yours faithfully,

For & on behalf of IRCON International Limited.


(D. B. Bhuvan Kumar) 24.8.23

Chief General Manager-PH
RDUM-TAL-RJO Doubling Project.

Copy to: 1) PD/Patna/IRCON
2) GM/Finance

— for kind information.
— for necessary action.

Encl: Bill of Quantity (BOQ)

Bill Of Quantity

SCHEDULE- 'I'					
(Supply of P.Way Components at site of work)					
Sl.No.	Description	Unit	Rate	BOQ Quantity	Amount
	Supply of P.Way Components at site of work				
1	GFN Liners to RDSO Drg. No. T-3706.	Nos.	22.69	40000.00	907607.16
2	Supply of Grooved Rubber Sole Plates for 1 in 8.5 turnouts for layout Drg no. T-4865 with latest alterations if any, complete set for the turnout as per IRS specification for Grooved Rubber Sole Plate (6mm thick) for placing beneath rails Sl. No. T-47-2006 with up to date corrigendum if any	Set	34877.78	4.00	139511.13
3	Supply of Grooved Rubber Sole Plates for 1 in 12 turnouts for layout Drg no. T-4218 with latest alterations if any, complete set for the turnout as per IRS specification for Grooved Rubber Sole Plate (6mm thick) for placing beneath rails Sl. No. T-47-2006 with up to date corrigendum if any	Set	47066.72	60.00	2824002.96
4	ERC to RDSO Drg. No. T-3701	Each	110.92	40000.00	4436683.80
5	ERC "J" to RDSO Drg. No. T-4158	Each	116.11	1000.00	116111.39
6	60 KG Fish plate as per Drawing No. T-1898	Nos.	3179.93	10000.00	31799316.69
7	Supply of Combination fish plates (4 Nos. per set) as per Drawing No.T-696 to T699 including nuts, bolts and washers.For 60 KG & 52 KG Rail Sections.	Set	17266.91	50.00	863345.47
8	Supply of fish bolts with nuts for 60 KG, 52 KG rails as per RDSO Drawing No.T-1899 (25X140MM)	Nos.	113.96	50000.00	5697882.75
9	Supply of joggled fish plates (2 No. per set) with 4 pair clamps, 4 No. Bolts & Nuts and 8 No. special washers.For 60 KG as per RDSO Drawing No. T-5849	Set	6483.56	500.00	3241781.73
10	Supply of 60Kg Fish plates one meter long as per standard drawing of RDSO No. T-5916	Nos.	3606.29	2000.00	7212588.39
11	Supply of Grooved Rubber Sole Plates for Derailing switch for layout with latest alterations of RDSO drwing if any, complete set for the turnout as per IRS specification for Grooved Rubber Sole	Set	11600.00	8.00	92800.00

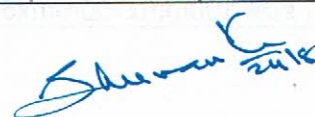


	Plate (6mm thick) for placing beneath rails Sl. No. T-47-2006 with up to date corrigendum if any				
12	Supply of Grooved Rubber Sole Plates for SEJ for layout RDSO Drg no. T-4159 with latest alterations if any, complete set for the turnout as per IRS specification for Grooved Rubber Sole Plate (6mm thick) for placing beneath rails Sl. No. T-47-2006 with up to date corrigendum if any	Set	6700.00	72.00	482400.00
13	Supply of Metal liner conforming to RDSO Drg. No. T-8748 for wider prestressed concrete sleeper.	Nos.	39.31	150000	5896500.00
14	Supply of 10 mm thick CGRSP conforming to RDSO Drg. No. T-8747 for wider prestressed concrete sleeper.	Nos.	89.11	100000	8911000.00
15	Supply of ERC Mark V conforming to RDSO Drg. No. T-5919 for wider prestressed concrete sleeper.	Nos.	97.27	200000	19454000.00
16	Supply of GFN Liner conforming to RDSO Drg. No. T-8751 for wider prestressed concrete sleeper.	Nos.	22.37	70000	1565900.00
17	Supply of GFN Liner conforming to RDSO Drg. No. T-8752 & T-8753 for wider prestressed concrete sleeper.	Set	44.73	20000	894600.00
18	Supply of GFN Liner conforming to RDSO Drg. No. T-6938 & T-6939 for wide base sleeper.	Set	44.74	20000	894800.00
19	Manufacturing supplying and fixing retro reflective sign boards made up of 2mm thick aluminium sheet, face to be fully covered with high intensity encapsulated type heat activated retro reflective sheeting conforming to type-IV of ASTM-D 4956-01 in blue and silver white or other colour combination including subject matter, message (bi-lingual), symbols and borders etc. as per IRC ; 67:2001, pasted on substrate by an adhesive backing which shall be activated by applying heat and pressure conforming to class-2 of ASTM-D-4956-01 and fixing the same with suitable sized aluminium alloy rivets @ 20 cm c/c to back support frame of M.S. angle iron of size 25mmx25mmx3mm along with theft resistant measures, mounted and fixed with 2 nos. M.S. angles of size 35mmx35mmx5mm to a vertical post made up of ISMC 100x50 @9.56kg/m welded with base plate of size 100mmx100mmx5mm at the				

[Signature]
24/18

	bottom end and including making holes in pipes, angles flats, providing & fixing M.S. message plate of required size steel work to be painted with two or more coats of synthetic enamel paint of required shade and of approved brand & manufacture over priming coat of zinc chromate yellow primer (vertical ISMC support to be painted in black and white colours). Backside of aluminium sheet to be painted with two or more coats of epoxy paint over and including appropriate priming coat including fixing in ground with 1:2:4 cement concrete base of 450mmx450mmx450mm including all leads and lifts etc. complete as per drawing, specification and direction of Engineer-in-charge. Note – In case fixing is not done and supply is taken, the rate to be paid @ 80%.				
19 (A)	Caution Indicator board of fish tail type as per Annexure 8/4 para 807 and 808 of IRPWM of size 400x1400 mm with support length of 3650mm	Each	8545.24	4.00	34180.96
19 (B)	Termination Indicator boards as per Annexure 8/4 para 807 and 808 of IRPWM of size 1.0m dia with support length of 3850mm	Each	10063.94	4.00	40255.75
19 (C)	Speed Indicator board as per Annexure 8/4 para 807 and 808 of IRPWM of size 1.0m side triangle for various speeds of 10, 20, 30, 45, 60, 75, 80, 90 kmph with support length of 3600 mm	Each	7940.30	4.00	31761.18
20	supplying & fixing of boards for LWR and curves, made of 16 gauge MS sheet with ISA 40X40X5 mm. frame and ISA 75X75X6 mm posts. As per drawing duly painted and lettered with Luminous paint.	Each	2578.14	80.00	206251.32
21	Supplying & fixing hard wood wooden distant blocks of size 250X125 mm & 855mm in length between one side rail of track & platform wall at 30 m interval along the length of platform with contractor's material, labour, tools & equipment complete as per specification.	Each	3501.39	200.00	700278.98
Sub total of Schedule-I					₹ 9,64,43,560
Less for accepted Rate @ 13.24%					₹ 8,36,74,432
SCHEDULE- 'II'					

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24/18

(Linking of Tracks, Points & Xings etc.)					
S.No.	Description	Unit	Rate	BOQ Quantity	Amount
1	Cutting of 60 KG, 52 KG, 90 R rails with contractor's Abrasive Disc Cutter complete including men, material, fuel etc. true to square.	Each	251.78	15000.00	3776755.59
2	Drilling 26.5 MM, 28-32 MM diameter holes with Rail Drilling Machine in web of 60 KG, 52 KG, 90 R rails in track or on cess at correct locations including chamfering.	Each	75.04	50000.00	3751924.35
3	Linking of BG track Mechanically with single Rail/2 rail panel/3 Rail panel/20 rail panel with standard fittings and fastening including greasing of ERC to make standard BG track as per IRPWM including initial packing 60Kg/52Kg Rail of PSC sleeper density up to 1660 nos per Km/1540 nos per Km. Note : The work includes (i) Collecting, spreading of P. Way materials with a free lead of 100m with all lifts and crossing of track obstruction, if any (ii) Delinking of Rail with Jim crow of required (iii) Pairing & butting of Rail/panels (iv) Squaring of Rail joints and cutting of rails if required, cutting to be paid separately (v) Sleeper squaring, gauging, levelling, boxing and dressing of track as pe IRPWM within tolerance (vi) One round initial packing of track to make track fit for 20KMPH speed (vii) Painting of sleeper spacing on Rail web.	TM	541.55	30000.00	16246472.22
4	Assembling and insertion of 52 KG/60 KG fan shaped points and crossing and other elements including oiling & greasing of plate screws without block protection including initial packing. Note : (i) Assembling of points and crossing as per IRPWM with all fittings and fastenings within the free lead of 100m with all leads lift, crossing track etc.(ii) One round of initial packing to make track fit for 20 KMPH speed.(iii) Gauging, levelling, boxing and dressing of ballast as per standard specification IRPWM (IV) Making of sleeper number and position with white paint on black base.(v) Insertion of fibres/ferrules in block joint where ever required. (vi) Insertion of insulated gauge tie plates,				

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2018

	stretcher bars etc.(vii) The work includes cutting of Rails, drilling holes and chamfering in existing track or new track required for assembly and inserting of track elements.				
(A)	1 in 12 point and x-ing assembly on concrete sleeper.	Set	64447.25	50.00	3222362.68
(B)	1 in 8.5 point and x-ing assembly on concrete sleeper.	Set	59191.87	1.00	59191.87
(C)	Derailing switch	Set	27147.16	5.00	135735.79
(D)	SEJ on wooden/concrete sleeper.	Set	4541.36	12.00	54496.26
(E)	Glued joint on wooden/concrete sleeper.	Set	297.05	100.00	29705.00
5	Laying of points & crossings 1 in 8.5/ 1 in 12/ Derailing switch under line block including removal of ballast, removing & refixing ERC clips, drilling of holes, cutting of rails, screening of ballast, short leading of rails & sleepers by hydra and JCB, dismantling of track, levelling of ballast, approach connection, ballasting, katcha packing, alignment correction, hire charges of drilling machine, cutting machine, gas cutting sets, crane, JCB, inclusive of caution watchman and blacksmith etc. including supply of wooden blocks, consumables, labour, etc. as directed by Engineer-in-charge with all lead and lifts and as directed by the Engineer-in-charge. Dismantling of rails, cutting of rails, drilling holes will be paid separately with the relevant items.				
(A)	Laying of 1 in 12 point and x-ing assembly under line block	Set	69358.09	10.00	693580.87
(B)	Laying of 1 in 8.5 point and x-ing assembly under line block	Set	63702.29	2.00	127404.58
(C)	Laying of Derailing switch assembly under line block	Set	32381.08	2.00	64762.15
6	Fixing of guard rails including cutting, notching, drilling of hole, bending etc inclusive of lead up to 100m, all lift/decent/crossing of track etc in viaduct /ballasted deck/composite girder bridge etc with ordinary/special PSC Sleepers (required necessary hole may be done at site by contractor by suitable drilling arrangement). Required fittings viz. Fish plate, Bolts & nuts, Rail screws etc. will be paid separately with the relevant items. Rails for guard rail will be issued free of cost by the	TM	258.08	4060.00	1047805.61

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2016

	employer.				
7	Through packing of standard BG track and other elements of track on any type of sleepers (including lifting in stages maximum up to 75mm at a time to make good longitudinal level of track) to specified tolerance as per IRPWM Para 224 to relax the speed complete in all respect.				
(A)	1st Round.	TM	61.80	30000.00	1853981.46
(B)	Subsequent round of packing after 1st round packing	TM	53.56	60000.00	3213871.92
8	Through packing of 1 IN 8.5, 1 IN 12 of 52KG/60KG POINTS & X-ing assembly (including lifting in stages maximum up to 75mm at a time to make good longitudinal level of track) to specified tolerance as per IRPWM on all type of sleepers to make it fit for normal speed.				
(A)	1st Round.	Each set per Round	9809.19	60.00	588551.32
(B)	Subsequent round of packing after 1st round packing	Each set per Round	8861.18	180.00	1595012.40
9	Through packing of 1 IN 8.5 Derailing Switch on any kind of sleepers with stone ballast to maintain correct alignment cross & longitudinal level as required for maintain track gauge, versine, superelevation etc. on both straight & curve track laid with contractor's tools & labour inclusive of all charges as per IRPWM and as directed by Engineer-in-charge. (Note: Length of Turnout will be considered from stock rail joint to the rail joint after 4th exit sleeper.)				
(A)	1st Round.	Each set per Round	3842.57	7.00	26898.00
(B)	Subsequent round of packing after 1st round packing	Each set per Round	3322.42	14.00	46513.88

S. Suman
24/10

10	Pre-tamping and post tamping works, reconditioning of tamping tools, and providing all consumables for first-round of packing by railway's heavy on track tampers and dynamic track stabiliser of straight/curved main line and loop line track, sidings, derailing switches, and turnouts. Note: - For the purpose of payment: - Length of turnout assembly, measured from stock rail joint to heel of crossing, shall be multiplied by 1.5 for conversion to equivalent ordinary track; and - Derailing switches, bridges, level crossings, curves, etc shall be considered as ordinary track. - Providing of HSD oil for machine work and transfer of machines from the existing running lines to the place of work and back to the running lines after the work is over shall be done at contract's expenses without payment of extra cost. - Railways heavy on track machines along with crew/operator shall be made available without any hire charges. 80% payment will be made if Dynamic track stabiliser not used.	T M	26.09	35000.00	912991.49
11	Pre-tamping and post tamping works, reconditioning of tamping tools, and providing all consumables for second-round of packing by railway's heavy on track tampers and dynamic track stabiliser of straight/curved main line and loop line track, derailing switches, and turnouts for raising speed to sectional speed. Note: - For the purpose of payment: - Length of turnout assembly, measured from stock rail joint to heel of crossing, shall be multiplied by 1.5 for conversion to equivalent ordinary track; and - Derailing switches, bridges, level crossings, curves, etc shall be considered as ordinary track. - Providing of HSD oil for machine work and transfer of machines from the existing running lines to the place of work and back to the running lines after	T M	24.51	70000.00	1716016.05

Shamir
2016

	the work is over shall be done at contract's expenses without payment of extra cost. 3. Railways heavy on track machines along with crew/operator shall be made available without any hire charges. 4. 80% payment will be made if Dynamic track stabiliser not used.				
12	De-stressing of LWR/CWR track with 60 KG, 52 KG rails at appropriate rail temperature as per LWR manual and as per directions of the engineer including adjustment of gap at SEJ, squaring & correct spacing of sleepers disturbed during the work, including greasing of ERC as per IRPWM. Payment for cutting of rails shall be made separately under relevant item.	Tr. KM	20770.57	22.00	456952.59
13	Lifting of track in stages of maximum 75 MM at a time under traffic block including making up formation and one round of katcha packing for getting required longitudinal and cross levels to make the track fit for 20 KMPH as per provisions in IRPWM Para 233 and as directed by the Engineer. (Rate will be for each stage lifting by 75 MM)	Tr. M	54.26	2000.00	108522.65
14	Dismantling of existing BG track , turnouts, derailing switches, dead ends, sand humps, etc. of any rail section and any type of sleepers of any density and transporting all released material including sleepers, rails, switches, crossings and fittings & fastenings to the nearest station or manned level crossing or road loading point as directed by the Engineer.				
(A)	Plain track including SEJ and Glued Joints and track at level crossing, bridge & bridge approaches and sharp curves with check rails	Tr. M	169.71	6100.00	1035254.94
(B)	Turn outs 1 in 12	Each	23596.41	22.00	519120.92
(C)	Turnouts 1 in 8 1/2	Each	21193.72	1.00	21193.72
(D)	Derailing switches	Each	10421.85	1.00	10421.85
(E)	Sand Humps complete with rails, sleepers and fastenings and fixtures and levelling the area.	Each	20317.91	3.00	60953.73

S. Suman
24/15

15	Welding of rail joints of 60kg by SKV process with contractor's PORTION purchased from RDSO firm (to be supplied with authenticated certificate), dry moulds including other welding materials, supplying skilled/artisan staff like welder, moulder, chipper, letter, aligner, striker/hammer man & adequate nos. of semiskilled & unskilled labour and supplying petrol, as required for facilitating welding works on track by shifting the joint sleepers up to 30 cm on either side, providing suitable gap of about 23mm to 25mm for welding, fixing the petrol tanks & heating the rail ends by approved contractor's equipment and chipping the excess materials if required, aligning, levelling etc. complete including filling after welding on cess. Supply and execution of AT welding portion 60Kg 60EI (R 260) rails with 25MM gap with compressed air petrol Pre-heating, 3 piece pre fabricated mould (Zircon washed) manually pressed, single shot crucible fitted with auto tapping thimble as per RDSO specification NO: IRST-19-2020	Each joints	8956.13	1900.00	17016648.36
16	Deduction over rate of item no-17 of Sch: II of BOQ for welding of rail joints of 52kg by SKV ... welding on cess.		-118.19	800.00	-94552.00
17	USFD testing of 60 KG/ 52 KG rails as per RDSO Manuals and submitting reports on proforma as directed by the Engineer.	Rail KM	2451.45	10.00	24514.52
18	USFD testing of 60 KG/ 52 KG rail welds (Flash Butt / SKV) as per RDSO Manuals and submitting reports on proforma as directed by the Engineer.	Each	75.32	1100.00	82848.93
19	Pairing butting 60 Kg. Rails from 130 M & up to 260 M long.	TM	71.83	30000.00	2154996.90
20	Inserting 60 Kg./65 Kg. from 130 M & up to 260 M long rail including delinking & removal of existing rails of fish plated track laid with SH Rails (TRR). Lead up to 50Meter included and stacking of released materials.	TM	124.64	22000.00	2742027.68
21	Unloading of ballast from BOB/BOBY hopper wagon supplied by railway on the track during traffic block on running line with al tools and plants to be provided by the contractor. It will be inclusive of cleaning the infringement	cum	28.10	2500.00	70249.61

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24/10

	wherever requires for the safe passes of train after the blocks as well as for filling up of unloaded ballast in crib and shoulder wherever required.				
22	Opening and dressing of unloaded ballast including filling of sleeper interspace upto top of sleeper and boxing of the sleepers from outside and making standard ballast profile as per IRPWM and LWR manual in 2 to 3 stages with the ballast quantity as & when available/unloaded at site or by bringing the ballast from adjacent stretches. (it should be done only after written instruction of Engineer in charge.	cum	24.07	2500.00	60177.75
23	Painting of Rail by anticorrosive paint as per standard specification. Painting of rail shall be done after scrapping of rails. The rate includes one coat of red oxide and two coats of black bituminous anti-corrosive paints. The rate are inclusive of cost of all paints, equipment's, other consumables including all lead, lift, crossing of tracks etc.	TM	57.88	35000.00	2025963.14
24	Fouling marks of size 150x250x225 MM in M20 grade cement concrete including engraving the letters "FM", white washing with two coats and painting the letters in black enamel paint indicating the numbers of vehicles duly fixed at site.	Each	753.81	70.00	52766.39
25	Painting of station number, super elevation & versine at each station of curve on the inside web of outer rail with stencils of specified height in black enamel paint on surface of specified length painted with two coats of yellow enamel paint over a primer coat painted after cleaning the surface free from dust & dirt.	Station	87.10	1000.00	87099.38
26	Painting of particulars of 1 in 16, 1 in 12 & 1 in 8 1/2 turnouts and derailing switches including turn in curves on the inside web of outer rail with stencils of specified height in black enamel paint on surface of specified length painted with two coats of yellow enamel paint over a primer coat painted after cleaning the surface free from dust & dirt.	Turn out	1225.73	1000.00	1225725.75

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27	Laying of Sand humps / Snag dead ends as per RDSO standard drawing No: T-347 complete, with contractor's materials (excluding rails and PSC sleepers, fittings and fastenings which will be issued free of cost by the Employer within the Project area), machinery and labour. Sand hump will be treated as a complete item including laying of track beyond back of crossing, making brick channels, duly filled with clean sand including dressing/raising of earth work as per the requirement at site, complete as per the standard railway drawings and specifications.	Each	219461.92	4.00	877847.68
28	Uprooting weeds on or from station platforms, surroundings as well as slopes after loosening surface by raking	100 Sqm	455.08	10.00	4550.83
29	Dismantling of existing rail/metal fencing, fixed adjoining running lines of track, duly excavating and levelling the foundation by hand compaction, removing connections and transporting the released material by suitable means and stacking the same, as directed by engineer in-charge. Note: 1. The released materials shall be handed over duly stacking the same in measurable fashion.	MT	1850.41	100.00	185040.88
30	Earthwork in cutting (classified) in formation, level crossing approaches, trolley, side drains				
30 (A)	In all condition and classifications of soil except rock	Cum	174.29	100.00	17428.74
31	Slewing of track/Realignment of straight/curve track to achieve specified alignment, gauge, cross level etc as per IRPWM with all correction slips including one round of through packing to make track fit for 20 KMPH. This includes collecting, picking and spreading the ballast as per requirements of new alignment of track and obstruction etc.				
31 (A)	UP to 500mm Approx.	TM	26.70	1000.00	26700.00
31 (B)	UP to 1000mm Approx.	TM	56.52	1000.00	56520.00
32	Renewal of sleeper i.e. removing the existing sleepers and its fastening including stacking them outside of track clearing remove sleeper from all infringement to moving direction inserting new sleeper at specified spacing along with fastening (Sleeper at	Per sleeper	155.47	1500.00	233205.00

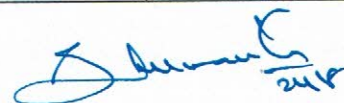
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	site involving lead not more than 100 m) including leading of both new and released sleeper and fastening from site to track & vice versa. Renewal of concrete sleeper by concrete sleeper irrespective of any sleeper density existed and to be provided for.				
33	Manufacturing, erecting and painting of BG Dead-ends in the station yard as per drawing including all lead, lift, descent, crossing of track stacking etc. complete as per direction of Engineer In charge.	Nos	2855.26	20.00	57105.20
34	Manufacturing and fixing of reference tie bar/rail post on cess or other side near track and grouting with cement concrete to indicate rail level, formation level, alignment of existing/proposed track. Rail section, steel section required for this work shall be supplied by IRCON free of cost.	Nos	145.27	1000.00	145270.00
35	Deep screening of ballast in full width of track down below and in between all kinds of sleeper by screening as per approved plan and also as per procedure mentioned in IRPWM by observing all safety provision along with the following items of work (A) Screening the ballast including caked ballast with standard wire basket/ screeners at least up to 300mm below the bottom of existing sleeper or up to formation level (whichever is earlier). (B) Raising/ lifting the track as required to provide average 300mm effective cushion with longitudinal profile corrections as per direction of Engineer incharge at site. (C) Initial packing of sleeper to be completed on the same day for fitness of track for 20KMPH speed. (D) Boxing and dressing up of ballast. (E) Maintenance of track for fitness in all respect by deputing the labour and when need arises in full operation of deep screening and handing over of the track to Railway as per instruction of site Engineer Incharge. handing over of the track to the railway representative in fit condition.	Per track meter	209.34	500.00	104670.00

Signature
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36	Fixing of joggle fish plate in SKV welds with two nos clamp and bolts and one set fixing of Joggle fish plate/fish plate/removing fish plate with plain joggle fish plate at any location to rail welds by drilling hole manually or by machine or clamping the location with brackets using bolts and nuts at site on running track including greasing of nuts and bolts with all contractor's labour and tools etc., complete as per direction of Engineer Incharge Note:(I) Drilling of hole will be paid separately (II) Fish plate/joggle fish plate, bolts & Nuts and clamp etc will be supplied by IRCON	Per Joint	16.89	1100.00	18579.00
37	Gas cutting of rails by contractor's labour, tools and plants with all consumables as per direction of Engineer Incharge.	Nos	62.09	500.00	31045.00
38	In situ Flash Butt Welding of all type of 20 rail panels [60 Kg/52Kg, 72/90/110 UTS, R-260 New/in service] at site with contractor's own Mobile Flash Butt Welding Plant having Sound Proof (Noise less) Generator for Power supply. Rate includes End cleaning, grinding and finishing, drilling required holes including chamfering in panel ends, Pre/Post straightening of rails if required, transporting loose rails to welding site, & other equipments, machinery, tools & plants, accessories, consumables, materials, labour etc. and other ancillary works required to achieve the welding on cess or on ground or on specially made platforms by the side of the existing track/ in yards on non-running lines etc. with/without traffic block conforming to RDSO's manual for Flash Butt welding of rails as amended upto date and testing of welded joints as per Indian Railway's manual for ultrasonic testing of welds as amended upto date with contractor's own USFD machine. The rates are inclusive of all necessary lifting, pulling, handling of 20 rail panels, adjustment of welding gap as required, loosening/ tightening/ removal/ re-fixing of fittings and fastenings, mobilization of Flash Butt welding plant, all taxes, all lead and lift etc. complete as per the direction of Engineer-in-Charge.	Each	16878.60	170.00	2869361.79

39	Flash Butt Welding of 60 Kg 90/110 UTS New/SH rails on track/Cess (SR/SWR or LWR) with firm's own Mobile Flash Butt Welding Plant having Sound Proof (Noise less) Generator for Power supply. Rate includes End cleaning, grinding and finishing, drilling 32mm holes including chamfering in panel ends, Pre/Post straightening of rails if required, transporting loose rails(13M/26 M) to welding site (Maximum lead not exceeding 500 M), and other ancillary works required to achieve the welding as per Ministry of Railway's FBW Manual as amended up to date including USFD testing of welded joints using contractors own USFD machine and as per provision of Indian Railways Manual for USFD testing of Rail and Welds (with up to date correction slips),grinding and finishing of joints, Handling of loose rails complete in all respect including all taxes etc as per direction of the Engineer in charge.	Each	4074.84	850.00	3463614.05
Sub total of Schedule-II					₹ 7,49,15,858
Less for accepted Rate @ 13.24%					₹ 6,49,96,999
SCHEDULE- 'III'					
(Loading/Unloading, leading etc.)					
S.No.	Description	Unit	Rate	BOQ Qty	Amount
	Leading of Ballast				
1	Leading ballast, kankar, brickbats, stone-chips, shingle, stone boulders block, kankar, pitching stone, rubbles etc including lead upto 50m and stacking into / from trucks, trailers or wagons.	Cum	132.51	84000.00	11130425.96
(1A)	Additional lead for every subsequent 50m or part thereof, over 50m and upto 500m over initial lead of 50 m as in item no.1	Cum	32.94	84000.00	2766909.60
1(B)	Leading ballast, kankar, brickbats, stone-chips, shingle, stone boulders, block kankar, pitching stones, rubble stones, laterite, coal, surkhi, dry mortar, sand, moorum, earth, manure or sludge, ashes, lime, debris, muck, malba, etc. for lead upto 25 km. Note : Lead under this item is payable when the same exceeds 500m.	Cum	92.60	42000.00	3889104.28
2	Loading/Unloading G.I. sheets, rails, joists, built up sections, angles, C.I./Ductile pipes, A.C Pipes, or G.I. pipes RCC/PCC beams/slabs and other miscellaneous ironwork or wood work including lead upto 50m and stacking properly into/from trucks, trailers or wagons				
2(A)	Individual length upto 3.5m	MT	155.56	2000.00	311125.30



2(B)	Individual length more than 3.5m	MT	170.20	2000.00	340390.69
	Leading of Sleeper				
3	Leading miscellaneous materials such as iron work, rails, fitting & fastenings, pipes, wooden logs, stones over pitching stone size, RCC/PCC beams/slabs etc. and all similar articles (each individual article or bundle being not more than 3.5m long in the longest direction) including picking up unloading and stacking, lead upto 50m	MT	151.69	20000.00	3033718.74
3(A)	Additional lead for every subsequent 50m or part thereof over 50m and upto 500m over item no-3	MT	41.90	20000.00	837927.66
3(B)	Leading miscellaneous materials such as iron work, rails, fittings & fastenings, pipes, wooden logs, stones over pitching stone size, RCC/PCC beams/slabs etc. and all similar articles (each individual article or bundle being not more than 3.5m long in the longest direction) including all loading, unloading and stacking, lead over 500m and upto 10 km. Note : Lead under this item is payable when the same exceeds 500m.	MT	209.86	20000.00	4197239.70
3(C)	Additional lead for every subsequent km or part thereof, over 10 km and upto 100 km over item no. 3 (B)	MT/Km	9.49	2000000	18978162.00
3(D)	Additional lead for every subsequent km or part thereof over 100 km and upto 400 km over item nos. 3 (B) & 3 (C)	MT/Km	8.67	5500000	47660778.00
	Leading of Rails				
4	Leading miscellaneous materials such as iron work, rail, pipes, wooden logs, stones over pitching stone size, RCC/PCC beams/slabs etc. and all similar articles (each individual article or bundle being more than 3.5m long in the longest direction) including picking up and stacking, lead upto 50m.	MT	153.85	4500.00	692335.51
4(A)	Additional lead for every subsequent 50m or part thereof, over 50m and upto 500m over item no. 4	MT	47.32	4500.00	212934.22
4(B)	Leading miscellaneous materials such as iron work, rails, pipes, wooden logs, stones over pitching stone size, RCC/PCC beams/slabs etc. and all similar articles (each individual article or bundle being more than 3.5m long in the longest direction) by truck, Tractor	MT	224.47	4500.00	1010112.04

	etc. including all loading, unloading and stacking, lead over 500m and upto 10 km. Note : Lead under this item is payable when the same exceeds 500m.				
4(C)	Additional lead for every subsequent km or part thereof, over 10 km and upto 100 km over item no. 4 (B)	MT/Km	11.00	400000	4398676.80
4(D)	Additional lead for every subsequent km or part thereof, over 100 km and upto 400 km over item no. 4 (B) & 4 (C)	MT/Km	8.48	1300000	11018229.30
5	Unloading of 60Kg/52Kg/90R of single rail, 2/3 rail panel/ 5 rail panel/ 10 rail/20 rail panel from Railway BFR/BRH/any other wagon during traffic line block with contractors, men, crane or any other approved means with all tools and plants and consumables at required location.	MT	196.17	2600.00	510033.67
6	Providing Road vehicles mentioned below for the use of Engineer/Employer as per the condition mentioned in special conditions of contract.				
6 (A)	Mahindra Scorpio (Model S6 & above) or similar	Vehicle/ Month	47987.00	36.00	1727532.17
6 (B)	Extra for running and maintenance of every additional Km over and above 4000 Kms (For Tata Sumo /Bolero equivalent) as specified in special conditions of contract.	Per KM	12.06	36000.00	434191.97
	Sub total of Schedule-III				₹ 11,31,49,828
	Less for accepted Rate @ 13.24%				₹ 9,81,68,790

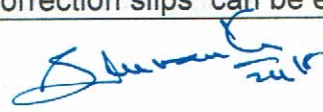
SCHEDULE- IV

(Unforeseen Items not included in Schedule- I, II & III)

Sl. No.	Description of Work	Units	Quantity (Rs.)	Rate in Fig	Rate in Words
1	Any other Items of ECR's USSOR with up to date correction slips and edition not covered by the items of Schedule- I to III	As required	10000000		10000000.00
	Sub total of Schedule-IV				1,00,00,000
	Less for accepted Rate @ 13.24%				86,76,000

Note:

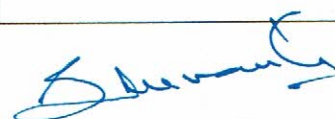
1 Any item of ECR USSOR up to latest edition and correction slips can be executed



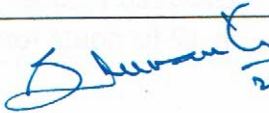
	under this schedule.
2	All the material/condition for works under this schedule as given in each chapter of ECR USSOR up to latest edition and correction slips with following additions.
3	All the water to be used in the work shall be of appropriate quality and shall be supplied by contractor at site of requirement. IRCON shall not supply the same.
4	IRCON shall not supply any equipment, tools and machineries.

Bill of quantity				
Name of Work: "Track linking for ballasted BG LWR/SWR track, linking of points & crossings including supply of P. Way small fittings and materials along with spreading of stone ballast on finished formation, packing of track as well as Points & crossings, AT & FB welding, carting, loading and unloading of all P.Way materials and allied miscellaneous works in Rampur Dumra-TAL-Rajendrapul Additional Bridge and Doubling Project."				
S.No.	Schedule	Description	Estimated cost	Accepted Rate (-13.24%)
1	I	(Supply of P.Way Components)	₹ 9,64,43,560	₹ 8,36,74,432.35
2	II	(Linking of Tracks, Points & Xings etc.)	₹ 7,49,15,858	₹ 6,49,96,998.79
3	III	(Loading/Unloading, leading etc.)	₹ 11,31,49,828	₹ 9,81,68,790.44
4	IV	(Unforeseen Items not included in Schedule- I, II & III)	₹ 1,00,00,000	₹ 86,76,000.00
Contract Value without GST				₹ 25,55,16,221.83
Add GST @ 18%				₹ 4,59,92,920
Total Contract Value with GST @ 18%				₹ 30,15,09,142

Details of Inspecting and passing Authority:			
S.No.	Description	Item No of Schedule-I	Inspecting and passing Authority
1	GFN Liners to RDSO Drg. No. T-3706.	1	QA Civil Directorate RDSO
2	Grooved Rubber Sole Plates for 1 in 8.5 turnouts for layout Drg no. T-4865	2	QA Civil Directorate RDSO
3	Grooved Rubber Sole Plates for 1 in 12 turnouts for layout Drg no. T-	3	QA Civil Directorate RDSO



	4218		
4	ERC to RDSO Drg. No. T-3701	4	QA Civil Directorate RDSO /RITES Limited
5	ERC "J" to RDSO Drg. No. T-4158	5	QA Civil Directorate RDSO /RITES Limited
6	60 KG Fish plate as per Drawing No. T -1898	6	QA Civil Directorate RDSO /RITES Limited
7	Combination fish plates (as per Drawing No.T-696 to T699)	7	QA Civil Directorate RDSO /RITES Limited
8	Fish bolts with nuts for 60 KG, 52 KG rails as per RDSO Drawing No.T-1899	8	QA Civil Directorate RDSO /RITES Limited
9	Joggled fish plates as per RDSO Drawing No. T-5849	9	QA Civil Directorate RDSO /RITES Limited
10	Fish plates one meter long as per drawing of RDSO No. T-5916	10	QA Civil Directorate RDSO /RITES Limited
11	Grooved Rubber Sole Plates for Derailing switch for layout with latest alterations of RDSO drawings.	11	QA Civil Directorate RDSO
12	Grooved Rubber Sole Plates for SEJ for layout RDSO Drawing no. T-4159 with latest alterations.	12	QA Civil Directorate RDSO
13	Metal liner conforming to RDSO Drg. No. T/8748 for wider pre stressed concrete sleeper.	13	QA Civil Directorate RDSO /RITES Limited 78.62
14	10 mm thick CGRSP conforming to RDSO Drg. No. T/8747 for wider pre stressed concrete sleeper. *	14	QA Civil Directorate RDSO
15	ERC Mark-V conforming to RDSO Drg. No. T-5919 for wider pre stressed concrete sleeper.	15	QA Civil Directorate RDSO /RITES Limited 97.27


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16	GFN Liner conforming to RDSO Drg. No. T/8751 for wider pre stressed concrete sleeper.	16	QA Civil Directorate RDSO
17	GFN Liner conforming to RDSO Drg. No. T/8752 & T/8753 wider pre stressed concrete sleeper.	17	QA Civil Directorate RDSO
18	GFN Liner conforming to RDSO Drg. No. T/6938 & T/6939 for wide base concrete sleeper.	18	QA Civil Directorate RDSO

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