



**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

No IRCON/2065/KSDP/Tender/TL/pkg 10/117 / 1288

Date:- 22.12.2022

M/s Chintpurni Construction Company  
63 P, Sector-14, Sonipat,  
Haryana- 131001

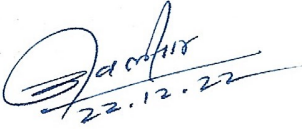
**(Letter of Acceptance)**

**Sub:** Construction of Track linking work for BG track (Manually), linking track at level crossings, bridges, and Linking points & X-ings, packing of track as well as points & X-ings, carting, loading and unloading 52 kg/60kg Rails and PSC ordinary and special sleepers, spreading of PSC ordinary and special sleepers and allied all other miscellaneous works from Mahroai ( MFQ)- Vijaysota (VST) of Katni-Singrauli Rail Doubling Project ( WCR)" Pkg-10.

**Ref:**

- (i) IRCON/2065/KSDP/Tender/TL/ MFQ-VST/ pkg 10/117 dated 14.12.2022.
- (ii) Bid opened on 21.12.2022.

1. Your offer for the work of "Construction of Track linking work for BG track ( Manually), linking track at level crossings, bridges, and Linking points & X-ings, packing of track as well as points & X-ings, carting, loading and unloading 52 kg/60kg Rails and PSC ordinary and special sleepers, spreading of PSC ordinary and special sleepers and allied all other miscellaneous works from Mahroai ( MFQ)- Vijaysota (VST) of Katni-Singrauli Rail Doubling Project ( WCR), Pkg-10" submitted vide references above, has been accepted by the Competent Authority of Ircon International Limited at the total Contract Value of Rs 13,77,82,909/- ( Rupees Thirteen Crore Seventy Seven Lakhs Eighty Two Thousand Nine Hundred Nine only) including GST @ 18% and all other taxes & duties etc. at the accepted rates of items / schedules as per Annexure-A (attached herewith) to this letter and terms and conditions, incorporating all the corrigendums and addendums issued to the tender documents..

  
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In term of para 7.1 (i) of Special Conditions of Contract: you are requested to submit a Performance Guarantee (P.G.) 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 3% (Three percent) of the contract value, i.e. Rs. 41,33,488/- (Rupees Forty One Lakh Thirty Three Thousand Four Hundred Eighty Eight only).

2. The entire work is required to be completed within **08 (Eight) months** from the date of issue of this letter of acceptance.
3. Your kind attention is invited to the provision of Clause 16 of Special Conditions of Contract. You are required to submit/comply the following:
  - 3.1 In terms of clause 16.1, 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 16.1 of SCC).
  - 3.2 In terms of clause 16.2, 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 16.2 of SCC).
  - 3.3 In terms of Clause No 16.3: 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 16.4: 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 16.5: Within 18 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 16.6: 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.: 13.5 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:

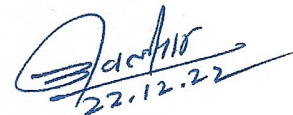
Katni Singrauli Doubling Project,  
Ircon International Limited,  
First Floor, Over Maruti Suzuki showroom,  
Near Jhinhari Police Station, NH-7, Jabalpur  
Road, Katni – 483501 (M.P). MO: 7470376222

Thanking You

Enclosed:

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

For & on behalf of  
IRCON International Limited



(Akhilesh Sahu)  
CGM/PH

Copy to:

- (i) AGM/C, AGM/Fin/, JGM/Fin for information please.
- (ii) JGM/Tracks-I for necessary action please.

LoA No IRCON/2065/KSDP/Tender/TL/pkg 10/117 / 1288 Date:- 22.12.2022

### Bill of Quantity ( BOQ)

Construction of Track linking work for BG track ( Manually), linking track at level crossings, bridges, and Linking points & X-ings, packing of track as well as points & X-ings, carting, loading and unloading 52 kg/60kg Rails and PSC ordinary and special sleepers, spreading of PSC ordinary and special sleepers and allied all other miscellaneous works from Mahroai ( MFQ)- Vijaysofa (VST) of Katni- Singrauli Rail Doubling Project ( WCR)" Pkg-10.

#### SCHEDULE - 1 (Supply Item /LOA M/s Railtech Infrastructure Pvt.Ltd)

| Item no,S.No. | Description of Item                                                                                                                                                                                                                                                                                                            | Unit  | Rate     | Quantity | Amount    |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------|----------|-----------|
| 1             | GRSP T-8528                                                                                                                                                                                                                                                                                                                    | Each  | 85.50    | 30000    | 2565111.0 |
| 2             | GRSP for 1 in 12 T-outs T-4218                                                                                                                                                                                                                                                                                                 | Set   | 26664.4  | 60       | 1599864.0 |
| 3             | GRSP for 1 in 8 1/2 T-outs T-4865                                                                                                                                                                                                                                                                                              | Set   | 13482    | 30       | 404460.0  |
| 4             | GRSP for 1 in 8 1/2 Derailing Switches T-6068                                                                                                                                                                                                                                                                                  | Set   | 9100.35  | 20       | 182007.0  |
| 5             | GRSP for SEI T-4159                                                                                                                                                                                                                                                                                                            | Each  | 280.88   | 600      | 168525.0  |
| 6             | ERCJ Clip T-4158                                                                                                                                                                                                                                                                                                               | Each  | 68.43    | 4000     | 273706.0  |
| 7             | GFN T-6938-6939                                                                                                                                                                                                                                                                                                                | Sets  | 39.60    | 25000    | 990017.5  |
| 8             | GFN Liners T-3706                                                                                                                                                                                                                                                                                                              | Each  | 15.62    | 25000    | 390550.0  |
| 9             | Manufacturing and supplying Fish Plate 60 kg 1mtr long T-5916, as per specification IRS/T-1-2012 from RDSO approved sources with all contractor's material, labour, tools, all lead & lift etc. and as directed by the Engineer-in-charge :                                                                                    | Pairs | 9469.5   | 500      | 4734750.0 |
| 10            | Manufacturing and supplying Fish Bolts with Nuts as per IRS specification T-23,1967 with one plain washer size 25x140 mm.T-1899 with all contractor's material, labour, tools & plants and machinery, all lead & lift etc. and as directed by the Engineer in-charge :                                                         | Each  | 80.25    | 3000     | 240750.0  |
| 11            | Manufacturing and supplying Joggled Fish plates 60 Kg to RDSO Drg no T-5849 as per IRS specification IRS-T-1-2012 with double D holes with nut & bolts                                                                                                                                                                         | Sets  | 3291.60  | 500      | 1645799.1 |
| 12            | Manufacturing and supplying screw clamp for 60 kg fish plates/joggled fish plates to RDSO drg no. T-5856 as per IRS specification                                                                                                                                                                                              | Sets  | 1224.72  | 500      | 612361.0  |
| 13            | Manufacturing and supplying Jn Fish plates 60/52 Kg with bolts & nuts to RDSO Drg no T-696 to T-699 as per IRS specification IRS-T-1-2012 with all contractor's material, labour, tools & plants and machinery, all lead & lift etc. and as(Notes:1m long Junction Fishplates(60/52KG)shall be supplied under this item only). | Sets  | 21283.45 | 40       | 851337.9  |

*[Signature]*  
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*[Signature]*  
M. S. D. D. D.  
A. S. D. C.



|    |                                                                                                                                                                                                                                                                          |      |        |       |           |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|-------|-----------|
| 14 | Manufacturing and supplying Fish Bolts with Nuts as per IRS specification T-23,1967 with one plain washer size 25x180 mm. T-11513 with all contractor's material, labour, tools & plants and machinery, all lead & lift etc. and as directed by the Engineer in-charge : | Each | 77.29  | 1200  | 92752.7   |
| 15 | 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 | 126.80 | 50000 | 6339750.0 |

~~Q. No. 1~~

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| LoA No IRCON/2065/KSDP/Tender/TL/pkg 10/117 / 1288 Date:- 22.12.2022 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |          |          |                     |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|----------|---------------------|
| 2                                                                    | 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 | 22961.39 | 8.0      | 183,691.11          |
| 3                                                                    | 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 | 51433.51 | 8.0      | 411,468.08          |
| 4                                                                    | 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.<br><br>Qualification & Experience :- Diploma in civil engineer having total experience 5 yeras & minium experience in track work 3 years<br>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 | 80786.73 | 8.0      | 646,293.87          |
|                                                                      | <b>TOTAL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |          |          | <b>2,824,510.42</b> |
| SCHEDULE - 2C (USSOR-2019 PWAY ITEMS )                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |          |          |                     |
| Item no S.No.                                                        | Description of Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Unit      | RATE     | Quantity | Amount              |
| 1                                                                    | Quick cutting with abrasive rail cutter of all types of rail sections including wear resistant, head hardened rails upto 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 2007) with latest status of RDSO; Rail Cutting Wheel Abrasive Disc will be as per RDSO Specification No. TM/SM/2 ( Rev. 01 of 2007) -                                                                                                                                                                                                                                                                                                                                                                                 |           |          |          |                     |
| 1(a)                                                                 | On Running Line -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |          |          |                     |
| (i)                                                                  | 60 Kg - 90 UTS,R260                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Each      | 431.40   | 5,000.00 | 2,156,978.89        |
| (ii)                                                                 | 52 Kg - 90 UTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Each      | 414.14   | 1,000.00 | 414,139.95          |
| 1(b)                                                                 | Outside Track -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |          |          |                     |
| (i)                                                                  | 60 Kg - 90 UTS,R260                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Each      | 383.27   | 2,000.00 | 766,539.27          |
| (ii)                                                                 | 52 Kg - 90 UTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Each      | 367.94   | 500.00   | 183,969.43          |
| 2                                                                    | Gas cutting of rail of various sections with contractor's tools & plants, as directed by engineer in-charge :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |          |          |                     |
| 2(a)                                                                 | Rail section of 52Kg and above                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Each      | 168.72   | 500.00   | 84,359.91           |

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|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |          |           |              |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------|-----------|--------------|
| 3    | Lubrication of gauge face of rail on sharp curves, cross overs, points & crossings and turn-in curves with contractor's grease graphite of approved quality                                                                                                                                                                                                                                                                                                                                                                              | Running Metre | 5.47     | 80,000.00 | 437,889.91   |
| 4    | Drilling holes of 16 mm to 32 mm dia. with Rail Drilling machine 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                                                                                                                                                                                                                       |               |          |           |              |
| 4(a) | for - Outside Track                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Each          | 80.16    | 4,000.00  | 320,624.48   |
| 4(b) | On Running Line                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Each          | 118.66   | 1,000.00  | 118,657.03   |
| 5    | Chamfering of drilled fish bolt holes in rails of any section and any UTS with chamfering kit and with contractor's tools & plants, equipment, consumable with all lead & lift etc. complete, as directed by Engineer in-charge. Chamfering Kit will be as per RDSO's Specification No. TM-53 Rev. 01 of 2004                                                                                                                                                                                                                            | Each          | 17.21    | 5,000.00  | 86,047.22    |
| 6    | First or Second Through Packing of track for all sleeper density including giving a general lift, as desired to eliminate sag after Deep Screening work, as described in Para-238 of Indian Railways Permanent Way Manual<br>{Notes : (1) Rate is for track laid to 1540 sleepers/km density;<br>(2) 10% extra to the rate shall be paid in case of 1660 sleepers/km density;<br>(3) Only 80% of the rate shall be paid in case of 1340 sleepers/km density} -<br>4) General lift is normally 25 mm and isolated lift may be upto 50 mm. |               |          |           |              |
| 6(a) | For PSC Sleeper Track (BG)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Track Metre   | 132.11   | 60,000.00 | 7,926,549.53 |
| 7    | First and second through packing of points and crossing including gauging, fittings recouplement, elimination of sag and to the required alignment as per provisions of Indian Railways Permanent Way Manual                                                                                                                                                                                                                                                                                                                             |               |          |           |              |
| 7(a) | 1 in 8½ PSC layout                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Set           | 20261.84 | 6.00      | 121,571.02   |
| 7(b) | 1 in 12 PSC layout                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Set           | 27608.47 | 40.00     | 1,104,338.87 |
| 7(c) | 1 in 8½ Derailing Switch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Set           | 5344.36  | 10.00     | 53,443.56    |
| 8    | 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.<br>{Payment shall be made based on ballast stack measurement}                                                                                                                                                          |               |          |           |              |

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|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |          |           |              |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------|-----------|--------------|
| 8(a)  | For lead upto 50m and lift up to 5m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Cum           | 131.30   | 50,000.00 | 6,564,869.63 |
| 8(b)  | Extra over Item above 8(a) for each additional lead of 50 m or part thereof when total lead exceed 50m, but upto 250m for each Cum                                                                                                                                                                                                                                                                                                                                                                                                                                  | Cum           | 37.20    | 40,000.00 | 1,488,083.50 |
| 9     | Assembling complete BG Turnout including symmetrical split on staging or on formation / ballast bed to correct gauge and alignment as per standard drawing on all types of rails over PSC sleepers at specified locations, duly leading special size sleepers, switches, crossings, fittings, fastenings etc. with maximum lead of 250m & all lift and testing points with S&T staff for throw of switch etc. at station yard after levelling surface complete and as directed by engineer in-charge.<br>Note: (Rail cutting and Drilling shall be paid separately) |               |          |           |              |
| 9(a)  | 1 in 8½ Turnout                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Set           | 47335.02 | 4.00      | 189,340.07   |
| 9(b)  | 1 in 12 Turnout                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Set           | 52225.54 | 20.00     | 1,044,510.77 |
| 9(c)  | Derailing switch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Set           | 9087.49  | 5.00      | 45,437.46    |
| 10    | Removing rail of all types & length from track, laid on any type & density of sleeper by removing fish plates, fastenings & fish bolts and other materials alongwith keeping released rail and all materials safely on cess, as directed by Engineer in-charge. (cutting & drilling of rail shall be paid separately and work to be done under traffic block & Railway's supervision)<br>BG Track - For Through Renewal work                                                                                                                                        |               |          |           |              |
| 10(a) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Running Metre | 32.93    | 5,000.00  | 164,672.58   |
| 10(b) | BG Track - For Casual/Scattered Renewal work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Running Metre | 49.68    | 1,000.00  | 49,680.09    |
| 11    | Insertion of rails of all types & length in track, laid on any type & density of sleeper to the specified gauge. Rates include fastening of rail with sleepers with standard set of fastenings and fixing of fish plates and bolts or, if required, providing gap for welding. (drilling and cutting of rail to be paid separately)<br>BG Track - For Through Renewal work                                                                                                                                                                                          |               |          |           |              |
| 11(a) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Track Metre   | 68.83    | 2,000.00  | 137,652.36   |
| 11(b) | BG Track - For Casual/Scattered Renewal work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Track Metre   | 63.09    | 800.00    | 50,468.67    |
| 12    | Removing from track the existing PSC sleepers with fittings in running track conditions for TSR / ISD works & stacking the same neatly at specified places with contractor's tools & labour, as directed by Engineer in-charge. (For ISD work only identified unserviceable sleepers to be covered)                                                                                                                                                                                                                                                                 |               |          |           |              |

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| 12(a) | For location of work not involving deep screening                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Each | 221.58  | 2,000.00  | 443,154.79 |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------|-----------|------------|
| 13    | Inserting in track the PSC sleepers lying along the cess / formation / slope / toe with all fittings complete for TSR / ISD work to specified gauge with contractor's tools including one packing to make track fit for 20 kmph speed and dressing of ballast, as directed by Engineer in-charge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |         |           |            |
| 13(a) | For location of work not involving deep screening                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Each | 283.87  | 2,000.00  | 567,749.32 |
| 14    | Through renewal of Metal / GFN liners in running track condition including removing, cleaning & lubrication of ER Clip & Insert Eye and re-driving the same with contractor's grease graphite of approved quality with all lead & lift                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Each | 18.83   | 20,000.00 | 376,659.54 |
| 15    | Manufacturing and supplying Trolley Refuge Indicator Boards / Level Crossing No. Boards, made of MS sheet of 2mm thick of size 240mm dia. and 50mm x 50mm x 6mm angle, welded to MS sheet, duly painting with 2 coats of ready mixed yellow enamel paint over one coat of red oxide with all lead & lift as per specification and as directed by Engineer in-charge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Each | 1155.91 | 50.00     | 57,795.44  |
| 16    | Manufacturing, supplying and fixing Curve Indicator / Point Indicator / SEJ Boards to be provided at various locations on formation, made out of MS sheet 2mm thick of size 450mm x 300mm duly fixed with MS frame of 25mm x 25mm x 3mm angle welded to 50mm x 50mm x 3mm MS angle, 1000mm long post split and bent 100mm at bottom end with all lead & lift as per specification and including painting of details with enamel paint, as directed by Engineer in-charge (Earthwork & concreting will be paid separately)                                                                                                                                                                                                                                                                                                                                                                                             | Each | 870.12  | 50.00     | 43,506.03  |
| 17    | De-stressing of LWR/CWR with contractor's labours, tools & equipments inclusive of all lead & lift. Activities include cutting of LWR/CWR into convenient panels of specified length, removal of ERCs, liners, greasing of ERCs and liner contact area, lifting rails and keeping them on rollers provided at every 15 sleepers, working out elongation of rail ends depending on prevailing site conditions, pulling rails with the help of Hydraulic Tensor to achieve the desired elongation, cutting rails, as required, removing rollers and placing rail in position, re-fixing ERCs & liners and adjustment of gap at SEJs : Note: (1) Welding of rail joints will be paid separately.<br>2. Rail cutting and Hole drilling shall be paid separately<br>(3) Opening and closing of LC if required will be paid separately.<br>4. As per instructions of LWR manual & CE's Circulars for distressing of LWR/CWR |      |         |           |            |

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|        |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |          |           |              |
|--------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------|-----------|--------------|
| 131202 | 17(a) | With Contractors hydraulic Rail tensor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Track<br>Metre | 83.73    | 16,000.00 | 1,339,637.14 |
|        | 17(b) | Without Rail tensor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Track<br>Metre | 80.96    | 30,000.00 | 2,428,688.65 |
| 131210 | 17(c) | Extra for carrying out through fitting renewal(TFR of ERC,GRSP,Liners) alongwith destressing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Track<br>Metre | 15.42    | 20,000.00 | 308,485.71   |
|        | 18    | Fixing Jogged Fish Plates with bolt / clamp (supplied by Railway) in running track conditions at welds on rail, as directed by engineer in-charge (drilling of holes in rail will be paid separately) :                                                                                                                                                                                                                                                                                                                                                                                                     |                |          |           |              |
|        | 18(a) | With 2 bolts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Set            | 139.23   | 500.00    | 69,614.75    |
|        | 19    | Manufacture of flared portion of Guard Rail by cutting and bending to required shape & RDSO's approved drawings.<br>{Note : (1) Rails shall be supplied by Railways; (2) Rate is for one set, i.e. bending of two rails - left and right}                                                                                                                                                                                                                                                                                                                                                                   | Set            | 8803.56  | 8.00      | 70,428.47    |
|        | 20    | Fixing of flared portion of guard rail including fixing of rail screws, fish plates, rubber or MS packing plate, as directed complete as per RDSO's approved drawing. (Rail screw, plate screw, fish plates etc. will be supplied by Railways)                                                                                                                                                                                                                                                                                                                                                              | Set            | 4737.69  | 8.00      | 37,901.51    |
|        | 21    | End cutting & grinding of Railway's Metal / GFN liner and providing the same at joints with contractor's tools & plants, labour, consumable etc. complete as directed :                                                                                                                                                                                                                                                                                                                                                                                                                                     |                |          |           |              |
|        | 21(a) | GFN Liners                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Each           | 16.61    | 1,000.00  | 16,606.42    |
|        | 21(b) | Metal Liners                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Each           | 34.47    | 1,000.00  | 34,465.28    |
|        | 22    | Dismantling & removing existing SEJ (Switch Expansion Joint) assembly during line block and its replacement with plain track as of adjoining section with all fittings and stacking the released materials, including rail cutting and drilling of holes, as directed and aligning rails, providing temporary connection with adequate welding gap with adjoining rail and ensuring proper track geometry for 30 kmph speed<br>Note:<br>1.Except rails, sleepers and P.Way fittings to be supplied by Railway.<br>2.Welding will be paid separately.<br>3.This item includes Rail cutting and hole drilling | Set            | 10890.99 | 20.00     | 217,819.85   |
|        | 23    | 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)                                                                                                          |                |          |           |              |

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| 23(a) | Joining with strong nylon rope in one cross and one horizontal pattern of minimum 5mm dia.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Running Metre | 109.81  | 16,000.00 | 1,756,940.48 |
| 24    | Linking of BG track on prepared formation to correct gauge & alignment with Railway's track materials including spreading sleepers at specified spacings, squaring, pairing & fixing rails to sleepers with all types of rail fittings & fastenings including their lubrication as per IRPWM standards. Rate is inclusive of kutchha packing to make track fit for 20 kmph speed :<br>(NOTE: Rail cutting and Hole drilling shall be paid separately)                                                                                                                                |               |         |           |              |
| 24(a) | For sleeper density of 1660 sleepers per km                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Track Metre   | 291.34  | 15,000.00 | 4,370,143.61 |
| 24(b) | For sleeper density of 1540 sleepers per km                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Track Metre   | 270.71  | 4,000.00  | 1,082,849.79 |
| 25    | Laying of BG new IRS SEJ (Switch Expansion Joint) on PSC / Wooden sleepers with cutting of rails, as required and lubrication including gauging, aligning rails, providing temporary connection with adequate welding gap with adjoining rail and ensuring proper track geometry for 30 kmph speed<br>Note:[The rates will include leading of SEJ sleepers, SEJ fittings for a free lead of 250 metres and providing reference posts with kachcha and first packing and making ballast profile as per IRPWM, Welding, Cutting of rails & Drilling of holes will be paid separately.] | Set           | 7248.89 | 20.00     | 144,977.74   |
| 26    | Shifting / Slewing the existing or newly assembled track under line block to correct locations & alignment and attending to one round kutchha packing during line block or non-block period, as directed by Engineer in-charge                                                                                                                                                                                                                                                                                                                                                       |               |         |           |              |
| 26(a) | <b>PSC Sleepers -</b><br>Maximum Shifting / Slewing upto 1 metre                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Track Metre   | 307.06  | 2,000.00  | 614,112.76   |
| 27    | Working of the Railway Push Trolley by arranging required semi-skilled manpower as per Railway's rules and stipulations for conducting inspections by Railway officials and as directed by Engineer in-charge.<br>Note:<br>1) Labourers supplied should be capable of pushing trolley in all gradients, and levels duly observing all safety precautions as per the manual.<br>2) The labour engaged should be strong and literate<br>3) Minimum of one head Trolley man along with 3 assistant men shall be engaged at each time of Trolley run.]                                   |               |         |           |              |
| 27(a) | For Full day                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Each          | 3345.16 | 200.00    | 669,032.23   |

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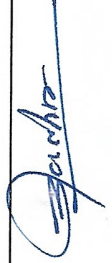
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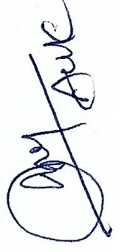
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |         |          |              |
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| 28    | Providing Caution Watchman at a rate of one caution watchman per 8 hours shift with prescribed protection equipments from contractor at location where caution order is imposed; (Detonators, Banner Flags / HS Flags will be supplied by Railways) watchman to be on continuous vigil and exhibit necessary hand signals to the trains for their passage over caution spot<br>: [ NOTE:<br>1) The above rate is for one location per day for 3 shifts of 8 hours each.<br>2) Banner flags and HS flags will be supplied by Railways. Contractor has to arrange 3 cell electric torch and tricolor light.<br>3) If Contractor fails to post watchman at any time during one day, penalty at double the accepted rates will be levied<br>4) The watchman nominated by the contractor will be screened for suitability as per Railway norms.] | Each | 726.12  | 6,000.00 | 4,356,749.46 |
| 28(a) | For One Shift                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Each |         |          |              |
| 29    | 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 accepted.]                                                                                                                                                                                        |      |         |          |              |
| 29(a) | 1 in 12 Turnout                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Set  | 1401.57 | 20.00    | 28,031.45    |
| 29(b) | 1 in 8½ Turnout                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Set  | 884.38  | 4.00     | 3,537.54     |
| 29(c) | Derailing Switch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Set  | 442.19  | 6.00     | 2,653.15     |
| 30    | Painting of P.Way Reference Post, Structures etc. with enamel paint of approved make with different colours & letters, as directed by Engineer in-charge :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |         |          |              |
| 30(a) | Kilometre & Gradient post                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Each | 90.30   | 50.00    | 4,515.16     |
| 30(b) | LWR / SEJ Board                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Each | 153.76  | 20.00    | 3,075.20     |
| 30(c) | Curve Post                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Each | 100.80  | 40.00    | 4,031.93     |
| 30(d) | Curve Board                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Each | 153.76  | 12.00    | 1,845.12     |
| 30(e) | Curve details, SE, Versine, Station Nos. etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Each | 52.32   | 1,000.00 | 52,324.13    |
| 30(f) | Miscellaneous General Boards, Jurisdiction Boards, Structures etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Sqm  | 258.07  | 50.00    | 12,903.60    |
|       | <b>T-28 Cranes (One Set of Two Portal Cranes) :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |         |          |              |



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|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |         |       |           |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------|-------|-----------|
| 31 | Carrying out various miscellaneous works for proper upkeep of crew rest van / rest room, as directed by the machine in-charge (T-28) for -<br>(1) Fuelling machine duly bringing diesel / hydraulic oil from the drums stacked;<br>(2) 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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Day | 1405.71 | 50.00 | 70,285.62 |
|    | <b>CSM, Duomatic and 3X Sleeper Tamping Machines :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |         |       |           |
| 32 | Doing various miscellaneous works for proper upkeep of crew rest van, rest room and tamping machine as directed by machine in-charge (CSM/Duomatic/3X) by :<br>(1) Daily cleaning machine with water jet or any suitable means;<br>(2) Fuelling machine duly bringing diesel / hydraulic oil from stacked drums;<br>(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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Day | 1405.71 | 40.00 | 56,228.50 |
|    | <b>6. Unimat Machine Related Works :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |         |       |           |
| 33 | Carrying out pre-tamping, during tamping and post-tamping works for tamping track with all types of rails, sleepers & sleeper density by various Track Tamping machines, which include :<br>(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 upto lead of 50 m to ensure effective packing;<br>(2) Clearing of ballast on sleepers to make them visible to operator;<br>(3) Clearing of ballast over rail foot to facilitate holding of rail by rollers of TTM;<br>(4) Digging, screening and replenishment of ballast at mud pumping / rounded ballast in sleeper crib location;<br>(5) Tightening of loose fittings including check rails immediately before & after tamping;<br>(6) Replacement of broken / missing fittings supplied by Railway;<br>(7) Correcting displaced sleepers to position alongwith squaring;<br>(8) Re-setting worked-out / fallen fittings;<br>(9) Removing and re-fixing joggled fish plates & wooden blocks, OHE bonds & other obstructions, wherever necessary;<br>(10) Removing and re-fixing stretcher bar, as directed;<br>(11) Adjustment in opening and housing of switch for testing operation of points for - |     |         |       |           |





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| 33(a)                                                                | 1 in 8½ Turnouts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Set | 16794.10 | 4.00  |  | 67,176.39  |
| 33(b)                                                                | 1 in 12 Turnouts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Set | 19183.50 | 32.00 |  | 613,871.93 |
| 33(c)                                                                | Derailing Switch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Set | 12069.05 | 8.00  |  | 96,552.41  |
| 34                                                                   | Carrying out various miscellaneous works for proper upkeep of crew rest van, rest room and Unimat as directed by machine in-charge by :<br>(1) Daily cleaning machine with water jet or any suitable means;<br>(2) Fuelling machine duly bringing diesel / hydraulic oil from stacked drums;<br>(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 staff concerned) | Day | 1405.71  | 25.00 |  | 35,142.81  |
|                                                                      | <b>Dynamic Track Stabiliser (DGS)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |          |       |  |            |
| 35                                                                   | Carrying out various miscellaneous works for proper upkeep of crew rest van / rest room, as directed by machine in-charge (DGS) by :<br>(1) Daily cleaning machine with water jet or any suitable means;<br>(2) Fuelling machine duly bringing diesel / hydraulic oil from stacked drums;<br>(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 staff concerned)    | Day | 1405.71  | 25.00 |  | 35,142.81  |
|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |          |       |  |            |

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| 36                                                                   | 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, which include :<br>(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 upto lead of 50 m to ensure effective packing;<br>(2) Clearing of ballast on sleepers to make them visible to operator,<br>(3) Clearing of ballast over rail foot to facilitate holding of rail by rollers of TTM;<br>(4) Digging, screening and replenishment of ballast at mud pumping / rounded ballast in sleeper crib location;<br>(5) Tightening of loose fittings immediately before & after tamping;<br>(6) Replacement of broken / missing fittings supplied by Railway;<br>(7) Correcting displaced sleepers to position alongwith squaring;<br>(8) Re-setting of worked-out / fallen fittings;<br>(9) Removing and re-fixing joggled fish plates & wooden blocks, wherever necessary;<br>(10) Manual consolidation of ballast in crib / shoulders;<br>(11) Removing and refixing of traction bonds during the block in electrified sections<br>(12) Dressing of ballast NOTE:<br>1. Contractor to provide minimum 30 men with 2 supervisors for carrying out above work.<br>2. Tamping blocks are not identical & it may be given at any time either during day or night.<br>3. Stages of payment a) 30% of the rate will be paid on completion of |                |        |           |              |
| 36(a)                                                                | For day time block working                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Track<br>Metre | 39.50  | 40,000.00 | 1,579,929.06 |
| 37                                                                   | Through rail renewal of BG track on PSC sleepers of any density with all types of rails / rail panels lying in auxiliary track or on cess or involving removal of fastenings, carting and stacking released materials. It also includes fastening rails taken from auxiliary track to sleepers to correct gauge with fish plates, bolts & nuts to a neat gauge of 1673 mm including handling of rails by way of dragging, pairing etc. and leading released service rails to load into BFR / Lorry or to shift to next location including crossing of track with lead & lift, as directed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |        |           |              |
| 37(a)                                                                | For rails of more than 13m and upto 40m length                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Track<br>Metre | 111.58 | 600.00    | 66,949.84    |
| 37(b)                                                                | For rails above 40m length                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Track<br>Metre | 112.45 | 12,000.00 | 1,349,433.83 |

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| 38                                                                   | Fixing MS Indicator Boards as per standard design including excavation, refilling, concreting in foundation and painting with enamel and luminous paints as directed by Engineer in-charge.                                                                                                                                                                                                                  |      |          |       |  |            |
|                                                                      | <b>Notes :</b><br>(1) Supply of steel for posts & boards shall be paid separately;<br>(2) Excavation & concrete work will be paid separately -                                                                                                                                                                                                                                                               |      |          |       |  |            |
| 38(a)                                                                | Boards with single post                                                                                                                                                                                                                                                                                                                                                                                      | Each | 332.65   | 10.00 |  | 3,326.50   |
| 38(b)                                                                | Boards with two posts                                                                                                                                                                                                                                                                                                                                                                                        | Each | 340.41   | 20.00 |  | 6,808.17   |
| 39                                                                   | 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                                                                                                                                                                                                                                   |      |          |       |  |            |
| 39(a)                                                                | For erection                                                                                                                                                                                                                                                                                                                                                                                                 | Each | 256.09   | 20.00 |  | 5,121.78   |
| 39(b)                                                                | For removal                                                                                                                                                                                                                                                                                                                                                                                                  | Each | 210.09   | 20.00 |  | 4,201.70   |
| 40                                                                   | Casting and positioning of pre-cast cement concrete Fouling Mark as per approved drawing at station yard, duly painting letters of Fouling Mark, complete in all respects with all labour, materials including cement, tools and plants etc.                                                                                                                                                                 | cum  | 8248.10  | 40.00 |  | 329,924.07 |
| 41                                                                   | 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.<br>Note: Excavation, fixing rails in cement concrete, drilling of holes will be paid separately              | Each | 16261.90 | 6.00  |  | 97,571.43  |
| 42                                                                   | Dismantling of existing BG turnouts and trap switches with all types of rails on other than PSC sleeper layout, removing fish plates & 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 & countable manner, as directed by Engineer in-charge : |      |          |       |  |            |
|                                                                      | <b>Under Traffic Block Conditions -</b>                                                                                                                                                                                                                                                                                                                                                                      |      |          |       |  |            |
| 42(a)                                                                | 1 in 8½ Turnout                                                                                                                                                                                                                                                                                                                                                                                              | Set  | 42570.65 | 8.00  |  | 340,565.17 |
| 42(b)                                                                | 1 in 12 Turnout                                                                                                                                                                                                                                                                                                                                                                                              | Set  | 48955.47 | 12.00 |  | 587,465.59 |
| 42(c)                                                                | Derailing Switch                                                                                                                                                                                                                                                                                                                                                                                             | Set  | 8782.77  | 6.00  |  | 52,696.59  |
| 42(d)                                                                | Extra over Items for PSC sleeper layout                                                                                                                                                                                                                                                                                                                                                                      | Set  | 14771.64 | 26.00 |  | 384,062.66 |

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| 43    | Boxing of ballast as per profile mentioned in IR's LWR Manual including cess dressing on both sides of track. The work will include removing excess ballast from track and putting the same in crib and shoulder by leading to a maximum of 50m including crossing of track, dewatering on ballast section etc and as directed by Engineer-In-charge                                                                                                                                                                                                                                                                                                                                                                                                                               | Track<br>Metre | 30.24   | 30,000.00 | 907,322.73 |
| 44    | Fixing of wooden distance pieces for platforms with contractor's labour, tools and plants of size Wooden Block (size : 1.0m x 0.3m x 0.15m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |         |           |            |
| 44(a) | With Contractor's hard wood block                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Each           | 1316.23 | 200.00    | 263,246.52 |
| 45    | Making Trolley Refuge of size 2.75m x 2.75m and placing released unserviceable PSC sleepers at all four sides of refuge (Earth-work to be paid separately)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Each           | 542.65  | 10.00     | 5,426.54   |
| 46    | Hiring of JCB/Hitachi for levelling and dressing ground/dismantling structures, Removal of jungle, clearing of earth, lowering high cess etc., along side the track between up and down lines obstructing drainages of rain water, clearing of bushes obstructing visibility at curves and Level Crossings with all lead and lift etc. complete and as directed by the Engineer-in-charge .All labour, tools and plants consumables stores including supply of JCB/Hitachi with crew to be provided by the contractor at his own cost. The contractor shall arrange road permit for vehicle for all the States of operation, as per instructions of engineer in-charge and vehicle shall not be more than three years old. Payment shall be made for actual working hours at site. | Hour           | 1489.50 | 500.00    | 744,749.15 |
| 47    | Arranging labour as and when required by the Engineer incharge, 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 incharge.<br>Note ; For the paying quantity, a total of 12 hours duty of a man will be counted as one manday and nothing extra shall be payable for night working. However, in a day, total working hours shall not exceed 12 hours. In case, working hours exceed 12 hours, separate manday shall be counted.<br>Note :- Location shall be identified in advance. 100% test check in advance to be done by concerned ADEN as a proof of identification and got signed by him.       | Day            | 710.62  | 1,000.00  | 710,620.18 |
| 48    | 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            | 850.26  | 1,000.00  | 850,255.57 |

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| 49                                                                   | Provision of furniture temporarily for site work in good condition at different locations as per direction of Engineer In-charge, for a specific period of time & removing the same after completion of work                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |          |           |  |              |
| 49(a)                                                                | Office Table of size 1.2m x 0.9m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Day   | 63.62    | 1,000.00  |  | 63,619.28    |
| 49(b)                                                                | Office Chairs with cushioned seat, back and arms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Day   | 38.79    | 1,000.00  |  | 38,790.83    |
| 50                                                                   | Hiring and operating Multi-Utility vehicle of loading capacity one MT with sitting capacity of 4/6 persons, 4 strokes, 4 cylinders engine, factory-built metal body, cargo box type or passenger cabin type or both (with 24 hours availability), including cost of fuel, lubricants, major/minor repairs, salary of driver, toll tax, all other tax complete, operation and maintenance including running upto 1200 km in a month. The vehicle shall run on pucca, kutchha road and along the track. The contractor shall arrange road permit for vehicles for all the States of operation, as per instructions of engineer in-charge and vehicle shall not be more than three years old. | month | 53050.78 | 12.00     |  | 636,609.33   |
| 50(a)                                                                | Extra over item No 171230 for every additional Km or part there of over 1200 Km in a month                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Km    | 8.46     | 12,000.00 |  | 101,522.14   |
| 51                                                                   | Third or subsequent Through Packing of track for all sleeper density including picking of slacks, as required after second through packing, subsequent to Deep Screening work, as described in Para-238 of Indian Railways Permanent Way Manual                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |          |           |  |              |
|                                                                      | Notes :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |          |           |  |              |
|                                                                      | (1) Rate is for track laid to 1540 sleepers/km density;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |          |           |  |              |
|                                                                      | (2) 10% extra to the rate shall be paid in case of 1660 sleepers/km density;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |          |           |  |              |
|                                                                      | (3) Only 80% of the rate shall be paid in case of 1340 sleepers/km density) -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |          |           |  |              |
|                                                                      | 4) General lift is normally 25 mm and isolated lift may be upto 50 mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |          |           |  |              |
| 51(a)                                                                | For PSC Sleeper Track (BG)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Tr.m  | 92.32    | 30,000.00 |  | 2,769,733.93 |
| 52                                                                   | Spreading of New / SH PSC sleepers along track on either side manually or mechanically including loading, unloading & transportation, if required with lead of every 250m or part thereof upto total lead of 1000m and all lifts                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Each  | 51.14    | 20,000.00 |  | 1,022,807.14 |
| 52(a)                                                                | Extra to Item no. 171160 for additional lead of every 500m or part thereof beyond 1 km and upto 3 km with all lift                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Each  | 28.27    | 15,000.00 |  | 424,009.82   |
| 53                                                                   | 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 upto 250 metre & lift upto 5 metre -                                                                                                                                                                                                                                                                                                                                                                                   |       |          |           |  |              |

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| LoA No IRCON/2065/KSDP/Tender/TL/pkg 10/117 / 1288 Date:- 22.12.2022 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |         |        |            |
|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------|--------|------------|
| NS-1                                                                 | Supply of Alumino thermic welding portions 52/60 Kg as approved by RDSO for welding of rails 52/60 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-19-2012 up to date correction slips with Single shot crucible fitted with Automatic Tapping Thimble Technology, 3 pieces Mould (Zircon washed) manually pressed for execution of welding of rail joint and compressed air petrol heating techniques including consumable stores complete and as directed by the engineer in charge at site. The following accessories shall be supplied.                                                                                                                                                                                                    |      |         |        |            |
| NS-1(a)                                                              | For 60 Kg Rail, 3-piece Mould and Compressed Air Petrol heating technique(For 90 UTS Rail 150 no.s Portion,For R 260 grade 150 no.s,For R260 and 90 UTS Combination 300 no.s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Each | 5450.43 | 600.00 | 3270258.32 |
| NS-1(b)                                                              | For 52 Kg - 90 UTS Rail, 3-piece Mould and Compressed Air Petrol heating                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Each | 5276.48 | 150.00 | 791472.09  |
| NS-2                                                                 | 25mm gap 'in-situ' welding and finishing of rail joints as per IR's AT Welding Manual under traffic block with Railway's welding portion under Railway's supervision by contractor's competent welder and other skilled labour, including consumables tools & equipments. Item includes use of weld trimmer and & grinding of weld, finished to meet the weld tolerances . Only welding portion and related consumables, e.g. Single shot crucible/Conventional Crucible, mould shoes, pre-fabricated dry mould, luting sand, closing pin, asbestos powder, igniter, thimble and magnesite powder as per method of welding will be supplied by Railways. All other tools, equipments etc. including fuel for pre-heating will be arranged by contractor. Item also includes anti corrosive painting to weld & marking of weld joint, as directed by engineer in-charge |      |         |        |            |
| NS-2(a)                                                              | For 60 Kg Rail, Single shot crucible fitted with Automatic Tapping Thimble Technology, 3 pieces Mould (Zircon washed) and Compressed Air Petrol heating technique                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Each | 4174.80 | 300.00 | 1252439.36 |
| NS-2(b)                                                              | For 52 Kg - 90 UTS Rail, Single shot crucible fitted with Automatic Tapping Thimble Technology, 3 pieces Mould (Zircon washed) and Compressed Air Petrol heating technique                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Each | 4174.80 | 100.00 | 417479.79  |

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LoA No IRCON/2065/KSDP/Tender/TL/pkg 10/117 / 1288 Date:- 22.12.2022

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |          |        |                      |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------|--------|----------------------|
| NS-3                                         | 25mm gap Cess Welding and finishing of rail joints as per IR's AT Welding Manual with Railway's welding portion under Railway's supervision by contractor's competent welder and other skilled labour including consumables, tools & equipments. Item includes trimming & grinding by machines. Only welding portion and related consumables, e.g. Single shot crucible/conventional crucible as per method of welding ,pre-fabricated dry mould, mould shoes, luting sand, closing pin, asbestos powder, igniter, thimble and magnesite powder will be supplied by Railways. All other tools, equipments etc. including fuel for pre-heating will be arranged by contractor. Item also includes anti corrosive painting to weld & marking of welded joint, as directed by engineer in-charge : |             |          |        |                      |
| NS-3 (a)                                     | For 60 Kg Rail, Single shot crucible fitted with Automatic Tapping Thimble Technology, 3 pieces Mould (Zircon washed) and Compressed Air Petrol heating technique                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Each        | 4058.83  | 300.00 | 1217649.38           |
| NS-3 (b)                                     | For 52 Kg Rail, Single shot crucible fitted with Automatic Tapping Thimble Technology, 3 pieces Mould (Zircon washed) and Compressed Air Petrol heating technique                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Each        | 4058.83  | 50.00  | 202941.56            |
| NS-4                                         | Fabrication of In Situ Glued joints of G-3(L) type for 60 kg rails as per RDSO Drg.no.T-2572/T-5863 and confirming to the specification as per instruction contained in manual for glued insulated joints in existing track under traffic blocks.The rate of this items includes cost of all labour,materials,fitting and accessories,tests etc.as specified in enclosed special condition and specification of work                                                                                                                                                                                                                                                                                                                                                                            | Each joints | 24398.50 | 300.00 | 7319551.32           |
| NS-5                                         | Fabrication of In Situ Glued joints of G-3(L) type for 52 kg rails as per RDSO Drg.no.T-671/T-5361 and confirming to the specification as per instruction contained in manual for glued insulated joints in existing track under traffic blocks.The rate of this items includes cost of all labour,materials,fitting and accessories,tests etc.as specified in enclosed special condition and specification of work                                                                                                                                                                                                                                                                                                                                                                             | Each joints | 22611.46 | 150.00 | 3391718.85           |
| <b>TOTAL OF SCHDULE -2D (N.S.PWAY ITEMS)</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |          |        | <b>17,863,510.66</b> |

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LoA No IRCON/2065/KSDP/Tender/TL/pkg 10/117 / 1288 Date:- 22.12.2022

| <b>SCHEDULE - 3 (unforeseen Items)</b> |         |                                                                                                                           |                             |                             |                    |
|----------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------|--------------------|
| ITEM NO.                               | Sl. No. | Description of item                                                                                                       | unit                        | Quantity up to amount (Rs.) | AMOUNT             |
|                                        | 1       | Any other Items of IR USSOR 2019 in addition with up to date correction slips not covered by the items of schedule- above | As per item to be           | 4000000                     | 4,000,000.00       |
|                                        |         |                                                                                                                           | <b>TOTAL OF SCHEDULE -3</b> |                             | 4,000,000.00       |
|                                        |         | <b>Total ( Schedule 2A+2B+2C+3)</b>                                                                                       |                             |                             | <b>129,726,871</b> |
|                                        |         | <b>Quoted Price @ 6.21% above</b>                                                                                         |                             |                             | <b>8056038.67</b>  |
|                                        |         | <b>Grand Total incl GST</b>                                                                                               |                             |                             | <b>137,782,909</b> |

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Digitally signed by SUNIL KUMAR MISHRA

Date: ... : IST

Location: eProcurement System for Central PSUs