



इरकॉन इन्टरनेशनल लिमिटेड  
नवरत्न कम्पनी  
(भारत सरकार का उपक्रम)  
**IRCON INTERNATIONAL LIMITED**  
NAVRATNA COMPANY  
(A Govt. of India Undertaking)



No. IRCON/2059/CGRP/e-TENDER/23-24/Urga-Dharamjaigarh/Pkg-1C/

Dtd:17.10.2025

To,

M/s. Agrawal Global Infratech Pvt Ltd  
C-1, 3<sup>rd</sup> floor, Aishwarya Chambers,  
GE Road, Telibandha,  
Raipur – 492 006 (Chhattisgarh)  
Email: [agipl09@gmail.com](mailto:agipl09@gmail.com)

(Kind Attention: Sh. Abhishek Agarwal, Director)

Dear Sir,

**Sub:** “Civil works including Earthwork for Railway formation, Blanketing work, Minor Bridges, Major Bridges, RUBs and ROR works of ROR line Urga (0 Km) to 6.2 Km (Ex. Bhaisma) and Y-line from Bhaisma (0 Km) to 1.84 Km in connection with the construction of New BG Electrified Single Railway Line for Chhattisgarh East Rail Corridor Phase from Urga (Km 0.00) to Dharamjaygarh (KM 62.00) via Bhaisma, Dongaama, Dhinara, Dhaskamunda, Hati and Khadgaon stations in the state of Chhattisgarh over South East Central Railway.” - **Letter of Acceptance**

**Ref:** 1. NIT No: IRCON/2029/CGRP/e-TENDER/23-24/Urga-Dharamjaygarh/Pkg-1C dtd: 17.04.2025  
2. Technical Bid Opened on 20.05.2025 and Financial Bid Opened on 25.09.2025

- 1.0 The Competent Authority for and on behalf of IRCON International Limited has accepted your offer for the subject work at your offered cost of **₹1,10,04,56,894.56** (Rupees One Hundred Ten Crores Four Lacs Fifty-six Thousand Eight Hundred Ninety-four & Fifty-six paise only) including all taxes, duties etc. & GST @ 18%. The summary of accepted BOQ is enclosed herewith as **Annexure-I**.
- 2.0 The completion period of work is 11 (Eleven) months from the date of issue of letter of acceptance including monsoon period as per clause no. 10.0 of SCC of the tender document. This LOA shall be treated as notice of commencement of work.
- 3.0 It is requested to submit a Performance Security for an amount of ₹5,50,22,845/- (Rupees Five Crores Fifty Lacs Twenty-two Thousand Eight Hundred Forty-five only) in the prescribed form as per Clause no. 8.0 / 13.0 of GCC/SCC of the tender document in favour of IRCON International Limited, within 21 (twenty-one) days from the date of issue of letter of acceptance (LOA).
- 4.0 This letter will constitute a legal and binding contract between IRCON International Limited and M/s. Agrawal Global Infratech Pvt Ltd till such time the contract Agreement is signed. You will enter into and execute the contract agreement within 28 days from the date of issue of this letter as per Clause no 15 / 12.5 of SCC/GCC of the tender document on the stamp paper of the requisite value as per the prevailing laws to be arranged at your cost.

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- 5.0 All other terms and conditions shall be as per the tender documents, which shall form an integral part of this contract and shall be binding on you.
- 6.0 This letter is being issued in duplicate as per clause no. 23.0 of Instructions to Tenderer of tender document, one copy of which may please be returned within 07 (seven) days of the issue of the LOA. Duplicate copy shall be duly stamped and signed and returned as a token of your unconditional acceptance.
- 7.0 You are requested to contact Project Director, Bilaspur, Chhattisgarh, for further instructions.

**Encl: Annexure-I**

Yours faithfully,  
For and on behalf of  
Ircon international limited

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(Surender Singh)  
Executive Director/Project

***Copy to: For information and necessary action please:***

- i) Project Director, CGRP,. Bilaspur
- ii) CGM/Civil, Bilaspur Office



## Annexure-I

**Name of Work:** Civil works including Earthwork for Railway formation, Blanketing work, Minor Bridges, Major Bridges, RUBs and ROR works of ROR line Urga (0 Km) to 6.9 Km (Ex. Bhaisma) and Y-line from Bhaisma (0 Km) to 1.84 Km in connection with the construction of New BG Electrified Single Railway Line for Chhattisgarh East Rail Corridor Phase from Urga (Km 0.00) to Dharamjaygarh (KM 62.00) via Bhaisma station, Dongaama, Dhinara, Dhaskamunda, Hati and Khadgaon in the state of Chhattisgarh over South East Central Railway : Package-1C

**NIT No:** IRCON/2029/CGRP/e-TENDER/23-24/Urga-Dharamjaygarh/Pkg-1C dtd: 17.04.2025

| SUMMARY OF BILL OF QUANTITY                            |            |                                                                      |                          |
|--------------------------------------------------------|------------|----------------------------------------------------------------------|--------------------------|
| Sl. No.                                                | Schedule   | Description                                                          | Basic Amount (in Rs.)    |
| 1                                                      | Schedule-A | Earthwork in Formation (Earthwork & Blanketing)                      | 32,88,29,246.90          |
| 2                                                      | Schedule-B | Bridge Work (Other than steel items)                                 | 9,75,18,953.75           |
| 3                                                      | Schedule-C | Pile Foundation works                                                | 6,85,80,577.26           |
| 4                                                      | Schedule-D | Steel items                                                          | 38,70,50,537.52          |
| 5                                                      | Schedule-E | Road Works                                                           | 3,28,54,963.28           |
| 6                                                      | Schedule-F | Other items of Work not covered by above schedules (SECR-USSOR-2021) | 1,94,38,000.00           |
| <b>Total Basic amount</b>                              |            |                                                                      | <b>93,42,72,278.71</b>   |
| <b>GST @ 18%</b>                                       |            |                                                                      | <b>16,81,69,010.17</b>   |
| <b>Total Estimated cost</b>                            |            |                                                                      | <b>1,10,24,41,288.88</b> |
| <b>Accepted rate @ (-) 0.18 % below estimated cost</b> |            |                                                                      | <b>19,84,394.32</b>      |
| <b>Accepted Amount</b>                                 |            |                                                                      | <b>1,10,04,56,894.56</b> |

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(Surender Singh)  
Executive Director/Project



**Name of Work:** Civil works including Earthwork for Railway formation, Blanketing work, Minor Bridges, Major Bridges, RUBs and ROR works of ROR line Urga (0 Km) to 6.2 Km (Ex. Bhaisma) and Y-line from Bhaisma (0 Km) to 1.84 Km in connection with the construction of New BG Electrified Single Railway Line for Chhattisgarh East Rail Corridor Phase from Urga (Km 0.00) to Dharamjaygarh (KM 62.00) via Bhaisma station, Dongaama, Dhinara, Dhaskamunda, Hati and Khadgaon in the state of Chhattisgarh over South East Central Railway : Package-1C

| Item No. | Description of item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Unit | Quantity   | Rate (In Rs.) | Amount (In Rs.) |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|---------------|-----------------|
|          | <b><u>SCHEDULE (A) : Earthwork in Formation (Earthwork &amp; Blanketing)</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |            |               |                 |
| 1        | Earthwork in filling in Embankment Fill and Top Layer of formation including trolley refuges etc. with earth of approved quality as per "Comprehensive guidelines and specifications for Railway Formation" Specification No. RDSO/2020/GE:IRS-0004 September-2020, Corrected upto ACS No.1 issued by RDSO, Lucknow (with latest amendments upto date correction slips) including all leads, lifts, ascents, descents, site clearances, setting out and demarcation of profile, benching, initial compaction of subsoil after levelling the surface after site clearance, spreading loose earth in 30CM layers using grader up to extra width of 0.5 M beyond designed profile, compaction (mechanical Means) using vibratory compactors so as to achieve in-situ dry density not less than 98% of MDD, top and side dressing and removal of extra earth from sides to provide final formation as a complete job as per RDSO Guidelines & designed profile. The rate shall include cutting of trees with girth up to 30 cm and separate payment will be made for cutting of trees if girth is more than 30 cm. The minimum Ev2 Criteria as mentioned in the guidelines is not applicable. Work shall be executed in strict compliance of "Comprehensive guidelines and specifications for Railway Formation" Specification No. RDSO/2020/GE:IRS-0004 September-2020, Corrected upto ACS No.1 issued by RDSO, Lucknow (with latest amendments upto date correction slips). The rate includes royalty/taxes, all Labour, tools/Plants etc. |      |            |               |                 |
| (a)      | With contractors earth of approved quality and specification from outside railway land                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | cum  | 1546880.00 | 199.13        | 308030214.40    |
| (b)      | with suitable material available at site from excavation (Item 2 of Sch-A and Item 1 of Sch-B ) with all leads & lifts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | cum  | 14910.00   | 34.19         | 509772.90       |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------|--------|------------|
| 2  | Earthwork in excavation by mechanical means (Hydraulic excavator) in cutting in formation, trolley refuges, side drains, yard drains, catch water drains, etc. including leading usable cut spoils and utilise it for formation in filling (as per Item 1(b) above) and disposal of surplus unsuitable earth, site clearances, setting out and demarcation, lift, ascents, descent, loading, unloading, tools & plants, Royalty/all taxes, bailing/pumping out of water and all incidental charges as per specifications of Item 1 above, disposing off surplus unusable cut spoils with all lead as per directions of the Engineer incharge and top & side dressing to providing final formation as per designed profile. The rate shall not include cutting of trees with girth above 30 CM, which shall be paid separately.<br>Note:<br>1. Rock spoils such as stones, boulders, pebbles, gravels, etc available from excavation, if are found suitable for use in works as per required specifications even after modifications etc., can be used free of cost but the legally payable royalty and taxes are to be paid by the contractor to the concerned authorities.<br>2. Rain cuts, slips and washings in the cutting and side drains will have to be cleared/rectified manually/mechanically and no extra cost will be payable.<br>3. Contractor has to arrange suitable land for disposal/stacked of unusable excavated material from cutting at his own cost. |      |         |        |            |
| a) | Soil excluding rock                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | cum  | 6140.00 | 111.19 | 682706.60  |
| b) | soft Rock with UCS 1.25 MPa to 12.5 Mpa, not requiring blasting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | cum  | 770.00  | 159.29 | 122653.30  |
| c) | Hard rock with UCS more than 12.5 MPa requiring blasting but blasting not permitted, hence to be excavated by chiselling.<br>Note:- 1- in case blasting is permitted accepted basic rate will be reduced by 10%.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | cum  | 770.00  | 445.34 | 342911.80  |
| 3  | Extra for making trolley refuges in cutting or filling by manual finishing, ramming, making up for extra volume of earth in cutting or filling, repair till handing over as per standard drawings.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Each | 79.00   | 293.60 | 23194.40   |
| 4  | Extra for manually finishing unlined side drains.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | RM   | 100.00  | 14.42  | 1442.00    |
| 5  | Filling suitable, well graded contractor's coarse sand of approved quality in weak formation/ sandwich construction in Embankment, in layers not exceeding 300 mm depth in loose state, in the entire width of the formation in cutting, below or above natural ground level, or as directed to dimension and slopes shown in cross section sheets or as directed by the Engineer in charge with Compaction by Vibratory Roller up to the required relative                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | cum  | 1580.00 | 779.08 | 1230946.40 |



|                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |           |        |                        |
|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|--------|------------------------|
|                                                                  | density (min.70% of the relative density obtained as per IS:2720 part.IV- 1983) as a complete job.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |           |        |                        |
| 6                                                                | Turfing/planning. Including all leads and lift, and watering as required until properly rooted with.<br><b>Note-</b> Initially payment of only 40% will be made. Balance 60% will be paid only after 3 months of maintenance period if the turfing is properly rooted.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |     |           |        |                        |
| a)                                                               | Turfing with sods 10cm thick and 20cm square closely laid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | sqm | 269430.00 | 15.17  | 4087253.10             |
| 7                                                                | Providing and laying blanketing materials of specifications as per latest RDSO Guidelines and Specifications and procedures by spreading in layers not exceeding in 30 cm in loose state and leveling by graders and compaction using vibratory compactors, including all leads, lift, ascent/descent, loading, royalty/taxes, octroi, tools and plants, testing charges, top and side dressing to provide final formation as per designed profile as a complete job inclusive all other incidental charges. NOTE: 1) If naturally available materials do not meet the laid down specifications, blanket material has to be produced by mechanical process using mechanical crushing or mechanical blending method or combination of these two methods as given in "Comprehensive guidelines and specifications for Railway Formation" Specification No. RDSO/2020/GE:IRS-0004 September-2020, Corrected upto ACS No.1 issued by RDSO, Lucknow (with latest amendments upto date correction slips). The quoted rates are deemed to include the production of material by mechanical process. 2) The filter criteria and minimum EV2 Criteria as mentioned in the guidelines is not applicable. | cum | 30600.00  | 450.92 | 13798152.00            |
| <b>Total of Schedule - (A)</b>                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |           |        | <b>32,88,29,246.90</b> |
| <b><u>SCHEDULE (B): Bridge Work (Other than steel items)</u></b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |           |        |                        |
| 1                                                                | Earth work in excavation in foundation of bridges/structures by mechanical means (hydraulic excavation) to desired profile including ramming of bottom, backfilling, compaction of back fill, getting out excavated usable surplus materials and utilise it for formation in filling (as per Item 1(b) of Schedule-A) and disposal of surplus unsuitable soil as per directions of the Engineer in charge. The rate inclusive of all labour, material required, manual work for achieving desired profile, wet excavation, shoring, strutting,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |           |        |                        |



|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |          |          |            |
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|    | <p>trenches and leading the surplus unsuitable soil to any other place as directed by Engineer incharge with all lead, lift, Ascent,descent , loading, un-loading ,tools &amp; plant and removing slush, making protection bunds for diverting water wherever necessary, pumping out/balling out water with contractor's pump or by any other means complete as required.</p> <p><b>Note:</b> 1.Rock spoils such as stones, boulders, pebbles, gravels, etc available from excavation, if are found suitable for use in works as per required specifications even after modifications etc. can be used free of cost but the legally payable royalty and taxes are to be paid by the contractor to the concerned authorities.</p> <p>2. Rain cuts, slips and washings in the cutting and side drains will have to be cleared/rectified manually/mechanically and no extra cost will be payable.</p> <p>3. Contractor has to arrange suitable land for disposal/stacked of unusable excavated material from cutting at his own cost.</p> |     |          |          |            |
| a) | Soil excluding rock                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | cum | 15250.00 | 220.98   | 3369945.00 |
| b) | All type of Rock                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | cum | 1530.00  | 233.72   | 357591.60  |
| 2  | Providing and laying of Levelling Course (P.C.C M-15) cement concrete in foundation and flooring using well graded stone aggregate of 20 MM normal size,Corrective course of flooring etc with all required Labour and material including cement, royalty, taxes, leads, lifts, ascent/descent, loading, un-loading, shuttering, shoring, strutting, curing, pumping out/balling out water from foundations where required, fuel electricity etc as a complete job as per Direction of Engineer incharge..                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | cum | 920.00   | 4,215.74 | 3878480.80 |
| 3  | Providing and laying Design mix concrete M20 in toe wall, drain, retaining wall wing walls, return wall of Box, RUB, Abutment etc. using well graded stone aggregate of 20MM nominal size as per direction of Engineer- in-Charge. The rate is inclusive of cement,all labour and other required material, royalty taxes, leads, lifts, Ascent/descent, loading, un-loading, centring and shuttering, shoring, strutting, curing pumping out/balling out water where required, fuel, electricity etc as a complete job as required .(Rate Excluding steel reinforcement)                                                                                                                                                                                                                                                                                                                                                                                                                                                               | cum | 640.00   | 4,434.28 | 2837939.20 |

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| 4 | Providing and laying Design mix concrete M25 in coping and wearing course works and other miscellaneous works, etc. using well graded stone aggregate of 20MM nominal size as per direction of Engineer- in-Charge. The rate is inclusive of cement,all labour and other required material, royalty taxes, leads, lifts, Ascent/descent, loading, un-loading, centring and shuttering, shoring, strutting, curing pumping out/balling out water where required, fuel, electricity etc as a complete job as required.(Rate Excluding steel reinforcement)                                                                                                                                                                                                                                                       | cum | 430.00  | 4,648.07 | 1998670.10  |
| 5 | Providing and laying Design mix control concrete M30/M35 in cast-in-situ RCC works in foundation of bridges, pile cap, approach slab, bottom slab of RCC boxes, foundation of retaining walls/wing walls and other miscellaneous works, etc using well graded stone aggregate of 20 MM nominal size as per direction of Engineer incharge. The rate is inclusive of cement,all labour and other required material, royalty taxes, leads, lifts, Ascent/descent, loading, un-loading, centring and shuttering, shoring, strutting, curing pumping out/balling out water where required, fuel, electricity etc as a complete job as required . (Rate Excluding steel reinforcement)                                                                                                                              | cum | 6010.00 | 4,872.36 | 29282883.60 |
| 6 | Providing and laying Design mix control concrete M35/M40 in cast-in-situ RCC works in substructure, pier, superstructure, abutment, pier cap, jacketing, dirt wall, return wall, wing wall, retaining wall, foot path slab, bridge deck, ballast retainers, RCC railing, inspection platform, pedestal,RCC boxes excluding bottom slab and other miscellaneous works etc using well graded stone aggregate of 20 MM nominal size as per direction of Engineer incharge. The rate is inclusive of cement,all labour and other required material, royalty taxes, leads, lifts, Ascent/descent, loading, un-loading, centring and shuttering, shoring, strutting, curing pumping out/balling out water where required, fuel, electricity etc as a complete job as required . (Rate Excluding steel reinforcement) | cum | 7080.00 | 5,029.63 | 35609780.40 |
| 7 | Applying two coats of coal tar or bitumen conforming to IS 3117 - 1965 on the top and sides of RCC box/slabs @1.70 kgs/sqm after cleaning the surface with all labour and materials complete job as directed by the engineer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | sqm | 5720.00 | 133.38   | 762933.60   |

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| 8  | Providing and laying boulder backing behind abutment, wing wall, boxes, return wall, etc. with all leads, lifts, Ascent/descents, labours, material, tools & plants royalty/taxes, octroi etc all as a complete job as per drawing & direction of Engineer in charge. The boulder backing shall be as per IRS Bridge & Sub-Structure Code/IRC 78/relevant RDSO guidelines and as per direction of Engineer in Charge.                                                                                                 | cum | 3640.00  | 1,275.10 | 4641364.00 |
| 9  | Providing and laying Filter Material as per RDSO Specifications underneath pitching in slopes complete as per drawing and Technical Specification with all leads, lifts, Ascent/descents, labours, material, tools & plants royalty/taxes, octroi etc all as a complete job as per direction of Engineer Incharge.                                                                                                                                                                                                    | cum | 970.00   | 3,063.16 | 2971265.20 |
| 10 | Providing and laying backfill material behind abutments, wing walls, return walls , below stone pitching, etc with all leads, lifts, Ascent/descents, labours, material, tools & plants royalty/taxes, octroi etc all as a complete job. The back fill material shall be as per IRS Bridge & Sub-Structure Code/IRC 78/relevant RDSO guidelines and as per direction of Engineer in Charge                                                                                                                            | cum | 12120.00 | 516.93   | 6265191.60 |
| 11 | Providing and laying pitching with stone boulders weighing not less than 35 kg each with the voids filled with spalls on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment etc. as a complete job as per drawing and technical specifications. (filter media to be paid separately under the relevant item)                                                                                                                                                       | cum | 460.00   | 989.68   | 455252.80  |
| 12 | Providing and laying pitching with stone boulders weighing not less than 35 Kg each with the voids filled with cement sand mortar 1:4 on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment etc with all leads, lifts,labours, material, tools & plants, Ascent/descents, royalty/Taxes, octroi etc complete job as per drawing and as directed by Engineer incharge. (Filter media to be paid separately under the relevant item).(Rate includes cost of cement). | cum | 1790.00  | 1,457.11 | 2608226.90 |
| 13 | Supply and filling of coarse sand in foundations for boxes and in case of loose slush is encountered at site of Foundation and before laying the filter media with contractors material and labour including its compaction and watering with all lead lift ,taxes, royalty etc. Complete in all respect as per instruction of Engineer-in-charge.                                                                                                                                                                    | cum | 1880.00  | 538.47   | 1012323.60 |
| 14 | Random rubble masonry (CM 1:6) with hard stone for toe wall, including cost of all materials including cement , labour, tools, plant all leads and lifts, curing etc complete as per specifications and as directed by engineer-in-charge                                                                                                                                                                                                                                                                             | cum | 395.00   | 1,555.65 | 614481.75  |

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| 15                                         | Providing and fixing in position of standard preformed sealed and slab type or strip seal elastomeric type expansion joints for Railway bridge or Road Over Bridges as per approved drawings and latest MOST/IRC specifications. The rates are inclusive of supplying, fixing with contractor's own materials, e.g. inserts, bolts, socket tubes, Neoprene sheet/cap etc., equipments, machineries, labour, all taxes, royalty, all lead & lifts, transport, testing, surface preparations, complete.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       |         |           |                       |
| a                                          | 40 mm Expansion Joint                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | meter | 30.00   | 6,797.13  | 203913.90             |
| 16                                         | Providing and fixing of 80/100 mm dia PVC pipe for weep holes in abutments, wing walls, return walls, face wall, retaining wall etc at suitable intervals with all leads, lifts, Ascent/descents, ascents etc with contractor's labours, material tools & plants as per drawing and as directed by Engineer. The weep holes shall be measured in running meter. The rate shall be inclusive of cleaning of weep holes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | meter | 4790.00 | 135.43    | 648709.70             |
| <b>Total of Schedule - (B)</b>             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |         |           | <b>9,75,18,953.75</b> |
| <b>SCHEDULE (C): Pile Foundation works</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |         |           |                       |
| 1                                          | Boring in all kind of soils and rocks, providing & installing reinforced cement concrete cast-in-situ bored piles in M35 design mix control concrete using contractor's concrete with well graded stone aggregate of nominal size 20 mm, cement, sand etc. Extra payment will be made for boring in rock having Uniaxial Compressive Strength more than 5 N/mm <sup>2</sup> (i.e. 'moderately-weak' and stronger rock as per table 2 of IRC: 78-2014) or big stone boulders larger than 30cm size by any means i.e. by hydraulic rig or mechanical chisel and hammer method as per the item 2 of this schedule. No extra payment will be made for boring in coal and weathered rock. Regarding the classification of rock, decision of Engineer will be final and binding. Length of pile for payment shall be measured up to the bottom of pile cap & no payment shall be made for boring and concreting from ground level to bottom of pile cap level. The rate is inclusive of all labour and required material, royalty, taxes, leads, lifts, Ascent/descent, loading, un-loading, shuttering, shoring, strutting, cutting disposal, curing, pumping out/balling out water wherever required, fuel electricity etc complete as required except cost of steel liner & steel reinforcement which will be paid separately under relevant items of this BoQ. |       |         |           |                       |
| a                                          | 1200 MM dia pile (working and test pile)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | meter | 4412.10 | 13,943.92 | 61521969.43           |



|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |        |             |                       |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------|-------------|-----------------------|
| 2                                | Extra for chiselling over item no.1 in addition to boring of piles, if chiselling is resorted to in rock having Uniaxial Compressive Strength more than 5 N/mm <sup>2</sup> (i.e. 'moderately-weak' and stronger rock as per table 2 of IRC: 78-2014) or big stone boulders larger than 30cm depth by any means i.e. by hydraulic rig or mechanical chisel and hammer method. No extra payment will be made for boring in coal and weathered rock. Regarding the classification of rock, decision of Engineer will be final and binding.                                                                                                                                                                                                                                                                                                                   |       |        |             |                       |
| a                                | 1200 MM dia pile (working and test pile)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | meter | 349.65 | 3,345.30    | 1169684.15            |
| 3                                | <b>Pile load test</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |        |             |                       |
|                                  | Conducting pile load testing on single pile or on separate test pile in accordance with IS: 2911 (Part IV) including installation of loading platform and preparation of pile head, kentledge, construction and dismantling of test cap, etc.<br>Note: Boring and installing of test piles shall be paid under item No. 1 of Schedule C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |        |             |                       |
| a)                               | Initial Pile Load Test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | nos.  | 6.00   | 5,43,293.85 | 3259763.10            |
| b)                               | Routine vertical load test on working pile                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | nos.  | 6.00   | 1,21,411.15 | 728466.90             |
| c)                               | Lateral Load test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | nos.  | 6.00   | 62,947.76   | 377686.56             |
| (d)                              | Non-destructive integrity testing of cast-in-situ piles of 1200mm dia as per specifications and submitting reports in the approved format, as approved by Engineer in Charge.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | nos.  | 368.00 | 2,633.27    | 969043.36             |
| (e)                              | Conducting Dynamic Load Testing on selected piles for routine pile load test, all as per specifications and the direction of Engineer in charge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | nos.  | 8.00   | 69,245.47   | 553963.76             |
| <b>Total of Schedule - (C)</b>   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |        |             | <b>6,85,80,577.26</b> |
|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |        |             |                       |
| <b>SCHEDULE (D): Steel items</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |        |             |                       |
| 1                                | Providing ,Fabricating Trial Assembly, Transporting and launching in position on piers/abutments as per drawing- duly applying protective coating(metalizing) on all parts of structural steel of bridge structure; complete with contractors own steel (conforming to IS 2062:2011, E250(B0 Quality ),all materials,machineries,tools and tackles, consummables,energy/power, all leads and lifts labour etc. complete in all Respect(including shear stud connector etc) except concrete (including its reinforcement) item as per approved drawings & specifications ,relevant clauses of the contract and RDSO guidelines .The fabrication & erection cost shall include all the types of stiffeners, packing diaphragm HSFG bolts, steel drifts shop welds, shop and field rivets/bolts, templates, jigs,fixtures, back up supports, accessories etc. |       |        |             |                       |

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| <p>The job includes preparation of fabrication drawings, fabrication of steel girders, erection of girders and launching in position on piers/abutments as per drawing. The elements should be Aluminium metalized (as per cl.: 39.2.1 of RDSO:B1 and as per the RDSO stipulation vide letter No. CBS/MPP/Meeting; dt. 10.4.14) preceded by surface preparation by compressed air blasting/certrifugal blasting with suitable abrasive material (as per c.: 39.2.1 Appendix VII of RDSO; B1). The metalizing shall be followed by, one coat of etch primer to IS: 5666 and one coat of zinc primer to IS: 104. This shall be followed by two coats of aluminium paint to IS:2339 - one coat shall be applied before the fabricated steel work leaves the shop; After the steel work is erected at site, the second coat shall be applied after touching up the primer and finishing coat if damaged in transit (as per RDSO;IRS B-1; cl;39.2.1). The above Painting/Oiling/Metalizing scheme is a brief outline - but these will be guided by all the provisions as detailed in cl. 39.2 and 39.2.1 of RDSO; B-1 along with relevant appendices and other codes mentioned therein. The rate shall include all material testing, preparation of QAP and getting it approval by RDSO or any other agency as decided by the client. No part of the work shall be painted or coated, packed or dispatched until it has been finally inspected and approved by the inspecting officer as per QAP - The rate shall also include the cost of approval by RDSO/any other agency as decided by the client. All other relevant guidelines of (RDSO; B-1) shall be followed. Rate shall include all activities for delivering the end product except bearings &amp; RCC (including its reinforcement) which shall be paid separately.</p> <p><b>Note:</b> STUD SHEAR Connector:- Supplying manufacturing, fabrication, testing and welding with welded by STUD welding machine (with all contractor consumable) compatible with type of STUD on composite steel girder, conforming to IS : 3935 – 1966 of diameter 25 mm and height 200 mm and as per RDSO drawings with all alteration and as per approved drawing of railway and as per direction of Engineer – in – charge inclusive all. The stud should pass the test prescribed in above mentioned drawing.</p> <p><b>Note :</b>1. The tensile strength of STUD steel should be 4600 Kg/CM (Min.) , Yield strength - 3500 Kg/CM 2 (Min.) Elongation – 20 % (Min.)<br/> 2. The STUD welding should be done by "Drawn ARC STUD welding ceramic ferrules" technique.<br/> 3. The STUD shear connector and ceramic ferrules confirm to type SD3/UF as per BS EN</p> |  |  |  |  |
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|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |           |             |              |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------|-------------|--------------|
|    | ISO13918<br>4. The mechanical properties of STUD shear connector shall be as per ISO 6892/BS EN ISO13918<br>5. The shape of tip of STUD may be chosen by manufacture .the stud tip shall be supplied with flux in the form of press – fitted aluminium bar or aluminium spray coating. 6. The diameter of ceramic ferrule D7 as per figure-13/table-18 of BS EN ISO13198 shall be 26MM (+0.5 mm & - 0.0 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |           |             |              |
| a) | composite Plate girder/Plate Girder/Open web Girder varying span from 12.2 m to 76.2m as per RDSO Drawing with up-to-date corrections/alterations)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MT      | 1934.00   | 1,11,284.67 | 215224551.78 |
| 2  | Supplying and fixing in position neoprene/ elastomeric bearing pads of approved quality under the steel Girders as per RDSO drawings inclusive of all labour and materials, cutting and drilling holes and lead, lift, loading, unloading, ascent, decent, etc. complete. The size and thickness of the bearing pad shall conform to the detailed design calculation and drawing approved by the Railway. The rate includes the reinforcement plates/laminates in the bearing pad and the entire bearing acts as a single homogeneous block etc. complete. The elastomeric bearing should conform to the provisions of IRC: 83 (Part-II) with latest amendments. The rate also includes fixing of the bearing with adhesive mortar (if required) on bed block/pedestal and Contractor has to supply the bearing(s) for testing at nominated/approved source and submit test certificate before supply of bearing. Testing, transportation, handling charges are to be borne by contractor and no payment shall be made for Test bearings.<br>Note:<br><b>Testing of elastomeric/POT-PTFE bearings</b><br>a) Testing of elastomeric bearings/ POT-PTFE bearings shall be done as per IRC: 83 Part II & Part III respectively with latest amendments. b) Payment for plates above and below bearing pad will be done as per item no. 1a of sch-4Respectively.ii) It is deemed that the contractor will supply the elastomeric bearing in a single lot so that one test each is necessary. If due to some reasons contractor supplies the material in different lots at different period of time then the cost of all these tests will have to be borne by the contractor. iii) If after test results, the material is not found confirming to any of the required specification, the whole lot will be rejected & the contractor will have to arrange all materials & their testing at his own cost till the material supplied confirm to the required specifications. (Drawing nos. are only indicative and may change as per RDSO guidelines) | Cuc ms. | 125060.00 | 0.78        | 97546.80     |



|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             |         |           |                        |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|-----------|------------------------|
| 3                              | Supply TMT Fe500 reinforcement steel conforming to IS: 1786-2008 including decoiling, straightening, cutting, bending, hooking as per procedure specified in IS 2502, placing in position, binding with 1MM dia. G.I. binding wire.<br>Note:<br>Reinforcement, shall be measured in length for different diameters used in the works and then paid as per standard weights as per IS 1732. Wastages, overlaps, coupling, welded joints, spacebars, chairs and binding wire shall not be measured and cost of these items shall be deemed to be included in the rates.                 | MT          | 2300.00 | 62,582.94 | 143940762.00           |
| 4                              | Supplying & providing steel liner with steel plates of 6/8mm thickness as per the drawing. The contract unit rate for permanent steel liners i.e. liner up to cut off level shall include cost of all labour, supply of materials, fabrication, moulding, cutting & welding, placing the steel liner to the required depth and cutting of liners at cut off level as shown on the drawings and as per instructions by the Engineer.(Drawing nos. are only indicative and may change as per RDSO guidelines)                                                                           | MT          | 309.00  | 69,416.34 | 21449649.06            |
| 5                              | Load testing of one or more spans of bridges as selected by the engineer as per approved Load test procedure following relevant IS/IRC/Railway codes with contractor's Labour, deflection measuring instruments, loading material, recording and analysing the load testing results including all leads & lifts etc. complete as required. The rates are inclusive and will be paid after load test is finished and girder is cleared of kentledges/loading material etc. the load shall be 1.25 times the stipulated design load based on design load & not span. (one complete job) |             |         |           |                        |
| a                              | for span design load up to 100MT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Each        | 4.00    | 99,158.86 | 396635.44              |
| b                              | Extra for every increase of 100 MT or part thereof in the span load capacity up to 800 MT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Each 100 MT | 4.00    | 97,554.56 | 390218.24              |
| 6                              | Rocker and roller bearing : supplying ,fitting and fixing in position true in line and level complete as per RDSO Drawings and approved technical specifications with latest correction/Alteration including all scaffolding, material ,labour & machineries.                                                                                                                                                                                                                                                                                                                         | MT          | 65.00   | 85,402.68 | 5551174.20             |
| <b>Total of Schedule - (D)</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             |         |           | <b>38,70,50,537.52</b> |

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|     | <b>Schedule (E) :Road Works</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |          |          |            |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|----------|------------|
| 1   | Construction of sub-grade with Material Obtained from Borrow Pits/Borrow Area (Construction of sub-grade with approved material/selected soil having C.B.R.>8 (unless specified otherwise in the contract) obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement of table 300-2 as a complete job.the rate includes Royalty,octroi, taxes etc, labour machine & Plants,handling/unhandling leads and lifts etc all. | cum  | 7800.00  | 270.57   | 2110446.00 |
| 2   | Granular Sub-base as per Table:- 400-1 Construction of granular sub-base by providing graded Material, , carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface watering, rolling and compacting with vibratory power roller at OMC to achieve the desired density, complete as per clause 401 as per MORTH specifications.                                                                                                                                 |      |          |          |            |
| A   | Plant mix method (with Mechanically crushed stone only)                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |          |          |            |
| (a) | For Lower Sub-base with                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |          |          |            |
| (i) | Grading-IV Material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | cum  | 3900.00  | 1,567.99 | 6115161.00 |
| 3   | Wet Mix Macadam (Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density as per clause 406 as per MORTH specifications.)                                                       | cum  | 3250.00  | 1,542.18 | 5012085.00 |
| 4   | <b>Prime coat :</b> (Providing and applying primer coat with oil based bitumen emulsion (SS-1, grade confirming to IS:8887) on prepared surface of granular Base including clearing of road surface and spraying primer using mechanical means as per clause 502 as per MORTH specifications.                                                                                                                                                                                                                   |      |          |          |            |
|     | (i) on WBM/WMM surface @0.85 Kg/sqm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | sqm. | 14800.00 | 66.29    | 981092.00  |
| 5   | Dense Bituminous Macadam (Providing and laying dense bituminous macadam with minimum 40-60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder @ 4.0 to 4.5% by weight of total mix of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per                               |      |          |          |            |



|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |          |           |                       |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------|-----------|-----------------------|
|                              | MORTH specification clause No.505 complete in all respects as per MORTH specifications.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |          |           |                       |
| A                            | With sensor paver finisher                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |          |           |                       |
| (i)                          | for Grading-II(26.5 mm nominal size bitumen content 4.50%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | cum   | 1480.00  | 8,439.81  | 12490918.80           |
| 6                            | Tack coat Providing and applying tack coat with bitumen emulsion (RS-1, grade confirming to IS:8887) using emulsion pressure distributor on the prepared bituminous/granular surface cleaned with mechanical broom and as per clause 503 as per MORTH specifications. (i) Bituminous surface @ 0.25 kg /Sqm                                                                                                                                                                                                                                                                                                                    | sqm.  | 14800.00 | 15.54     | 229992.00             |
| 7                            | Bituminous Concrete (Providing and laying bituminous concrete with minimum 40-60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder @ 5.0 to 6.0% by weight of total mix of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects)                                                             |       |          |           |                       |
| A                            | With sensor paver finisher                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |          |           |                       |
| (i)                          | for Grading II (13.2 mm nominal size) with bitumen 6.0 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | cum   | 444.00   | 10,453.42 | 4641318.48            |
| 8                            | <b>Type - A, "W" : Metal Beam Crash Barrier</b> (Providing and erecting a "W" metal beam crash barrier comprising of 3 mm thick corrugated sheet metal beam rail, 70 cm above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm spaced 2 m centre to centre, 1.8 m high, 1.1 m below ground/road level, all steel parts and fitments to be galvanized by hot dip process, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a spacer of channel section 150 x 75 x5 mm, 330 mm long complete as per clause 811.3 as per MORTH specifications) | meter | 500.00   | 2,547.90  | 1273950.00            |
| <b>TOTAL OF SCHEDULE (E)</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |          |           | <b>3,28,54,963.28</b> |

| <b>Schedule-F: Other items of Work not covered by above schedules (SECR-USSOR-2010)</b> |                                                                                                                                                                                               |             |          |                            |                          |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------|----------------------------|--------------------------|
| SN                                                                                      | Description of Items                                                                                                                                                                          | Unit        | Qty      | % escalation on Basic rate | Departmental Basic value |
| 1                                                                                       | Any item of SECR-USSOR-2021 not covered by any other item of Schedules - A,B,C,D,E & F but required to be executed for successful completion of the work as deemed necessary by the Engineer. | Basic value | 20000000 | -2.81%                     | 19438000.00              |
| <b>TOTAL OF SCHEDULE (F)</b>                                                            |                                                                                                                                                                                               |             |          |                            | <b>1,94,38,000.00</b>    |

**Note:** - Items covered under SECR-USSOR-2021 (i.e. under Schedule F above) are inclusive of GST @12%, therefore items executed under Schedule F will be paid by deducting GST @12% thereafter adding escalation on quoted rate and thereon adding prevalent GST rate (i.e. @18%)