



**Tender No. DFC-DDU-EN-ROAD-RCC-2023**

**For**

**Construction of Approach Road for maintenance vehicle in DDU-CPBN& SEBN section of Eastern Dedicated Freight Corridor.**

**E-TENDER DOCUMENT**

**TWO PACKET**

**Jan-2023**

**Packet "B"**

**Employer:**

**DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA  
LIMITED**

**(A GOVERNMENT OF INDIA ENTERPRISE)**

**Under**

**MINISTRY OF RAILWAYS**

**CGM OFFICE**

**Chief General Manager, DFCCIL**

Manas Nagar Railway Colony,  
Pt Deen Dayal Upadhyay Nagar (Mughalsarai)  
Chandauli -232101, Uttar Pradesh, India

**CORPORATE OFFICE**

DFCCIL, 5<sup>th</sup> Floor, Supreme Court Metro Station Building,  
New Delhi-110001

**Chief General Manager/DDU, DFCCIL**, Manas Nagar Railway Colony, Pt Deen Dayal Upadhyay Nagar (Mughalsarai), Chandauli -232101, Uttar Pradesh, India, invites e-tenders on **Two packet system** on prescribed forms from firms / Companies / Joint Ventures having requisite experience and financial capacity for execution of the following work:

|   |  |
|---|--|
| <b>Tender Notice No.</b>  | <b>DFC-DDU-EN-ROAD-RCC-2023</b>  |
| Name of the work  | <b>Construction of Approach Road for maintenance vehicle in DDU-CPBN&amp; SEBN section</b>   |
| Type of Tender  | Open E-Tender ( <b>Single stage Two Packet</b> )   |
| Type of Contract  | Works Contracts  |
| Estimated Cost  | Rs. 18,85,41,932/- Including GST (Eighteen Crore Eighty-Five Lakhs Forty-One Thousand Nine Hundred and Thirty-Two Rupees Only)   |
| Period of Completion  | <b>1 year</b>  |
| Cost of Tender Document   | Rs. 11800/- (Inclusive of GST)<br>The cost of the tender document shall be deposited through e-payment mode at <a href="http://www.ireps.gov.in">www.ireps.gov.in</a>  |
| Earnest Money   | Rs.10,92,800/- to be submitted at IREPS portal.  |
| Date and Time of start and submission of filled Tender Document | NIT and Tender Document can be viewed from 05.01.2023 and Bidding can be started from 17.01.2023 and can be submitted up to 15.00 Hrs of 31.01.2023 through <a href="http://www.ireps.gov.in">www.ireps.gov.in</a> |

**Schedule-A Non Schedule ITEM**

| <b>Sl.No</b> | <b>Description of work</b>  | <b>Unit</b> | <b>Qty</b> | <b>Rate</b> | <b>Amount</b> |
|--------------|---|-------------|------------|-------------|---------------|
| <b>1</b>     | Preparation and consolidation of sub-grade with power road roller 8 to 12 ton capacity after excavating earth to an avg 22.5 Cm depth ,dressing to camber and consolidating with road roller including making good the undulation etc and rerolling the subgrade and disposal of surplus earth with lead upto 50 m  | Cum         | 83380      | 101.09      | 8428723.694   |
| <b>2</b>     | Extra for mechanical compaction of Earthwork/blanketing with contractors rollers of suitable capacity, type and size to achieve specific density as per specification ,testing as per IS code .Incl-cost of water, T&P ,consumable material and all labor as a complete job. The work is to be executed as per latest edition of "Guidelines of Earthwork in railway project"   | Cum         | 99330      | 9.54        | 948057.17     |
| <b>3</b>     | Construction of Granular Sub base of providing close graded material confirming to specification ,mixing in mechanical mix plant at Occurring of mixed materials by tippers to work site for all leads & lifts spreading in uniform layer of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desire density, completed as per specie=fiction and direction of engineer in charge with material confirming to Grade -III(Size range 26.5 to 0.075 mm) having CBR value -20 | Cum         | 15950      | 1595.87     | 25454119.16   |

|              |  |         |       |         |                    |
|--------------|--|---------|-------|---------|--------------------|
| <b>4</b>     | Providing and laying design mix cement concrete in roads, having a cube strength of M-30 grade ,in roads/taxi/truck/runways, using cement content as per design mix ,using coarse sand and grades stone aggregate of 40mm size in appropriate proportion as per approved and specified criteria, providing dowel bar with sleeves/tie bar where ever required ,laying at site, spreading and compacting mechanically by using needle and surface vibrator levelling to required slope/Camber, finishing with required texture including steel form work with sturdy M.S channel section ,curing making provision for contraction/Expansion construction and longitudinal joints (10 mm wide *50 mm Deep) by grove cutting machine Provo=idling and filling joints with approved joint filler and sealants, complete all as per direction of Engineer in charge(item of joint filler, sealants,dowel bars with sleeve /tie bar to be paid separately) Note-Cement content considered in M-30 is @ 340 kg/Cum. Excess/less cement used as per design mix is payable /recoverable separately. | cum     | 19250 | 5644.39 | 108654517.4        |
| <b>5</b>     | Providing and laying in position cement concrete of M-20 grade, excluding the cost of cement and centring and shuttering as per direction of engineer  | cum     | 8250  | 2122.51 | 17510734.23        |
| <b>6</b>     | Ordinary Portland Cement Grade-43  | MT      | 200   | 5267.94 | 1053588.14         |
| <b>7</b>     | Supply of reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete   |         |       |         |                    |
|              | Thermos mechanically treated bar   | Kg      | 10000 | 53.05   | 530505.80          |
| <b>8</b>     | Providing and laying non-pressure NP4class (medium duty) R.C.C. pipes including bends etc with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement: 2 fine sand) including testing of joints etc. complete above600 mm dia  |         |       |         |                    |
|              | 1000mm dia. R.C.C. pipe  | Meter   | 440   | 2196.53 | 966472.94          |
| <b>9</b>     | Add extra amount lumpsum amount for any other miscellaneous item as per USSOR-2012/CPWD(DSR)   | Lumpsum | 1     | 1000000 | 1000000            |
| <b>Total</b> |  |         |       |         | <b>164546718.5</b> |

| <b>SCH-B</b>                             |                                |  |             |     |            |             |               |                                   |                           |
|--|--------------------------------|--|-------------|-----|------------|-------------|---------------|-----------------------------------|---------------------------|
| <b>SOR ITEM ROADS AND PLATFORM WORKS</b> |                                |  |             |     |            |             |               |                                   |                           |
| <b>S<br/>N</b>                           | <b>USSOR<br/>-2012<br/>ECR</b> | <b>Description</b>   | <b>unit</b> |     | <b>Qty</b> | <b>Rate</b> | <b>Amount</b> | <b>Rate revised<br/>by 43.21%</b> | <b>Updated<br/>Amount</b> |
| 1  | 231040                         | Providing and laying water bound macadam with specified stone aggregate, stone screening and binding material including screening, sorting, spreading to template and consolidation with power road roller of 8 to 10 tonne capacity etc. Complete |             |     |            |             |               |                                   |                           |
| (a)                                      | 231041                         | Sub-base with stone aggregate 90mm to 45mm including stone screening 13.2mm size   | 1           | cum | 562.50     | 1,925.10    | 10,82,868.75  | 2,756.94                          | 15,50,776.34              |
| (b)                                      | 231042                         | Base course with 63mm to 45mm size including stone screening 13.2mm size   | 1           | cum | 1387.50    | 1,691.15    | 23,46,470.63  | 2,421.90                          | 33,60,380.58              |
| (c)                                      | 231043                         | Base course with 53mm to 22.4mm size including stone screening 11.2mm size   | 1           | cum | 1387.50    | 1,955.22    | 27,12,867.75  | 2,800.07                          | 38,85,097.90              |

|     |        |   |   |     |          |        |              |        |              |
|-----|--------|---|---|-----|----------|--------|--------------|--------|--------------|
| 2   | 233010 | Providing and applying tack coat using bitumen emulsion (Rapid setting) complying with IS:8887-1995, spraying the bitumen emulsion with mechanically operated spray unit, cleaning and preparing the existing road surface as per specification   |   |     |          |        |              | -      | -            |
| (a) | 233011 | On W.B.M @ 0.4kg/sqm  | 1 | Sqm | 13875.00 | 22.20  | 3,08,025.00  | 31.79  | 4,41,122.60  |
| (b) | 233012 | On bituminous @0.25kg/sqm   | 1 | Sqm | 13875.00 | 15.47  | 2,14,646.25  | 22.15  | 3,07,394.89  |
| 3   | 238010 | Providing and laying Dense Bituminous macadam on prepared surface with specified graded crushed stone aggregate for profile corrective base / binding course, mixing of stone aggregate, filler and bitumen in hot mix plant, transporting the mixed material and laying with paver finisher fitted with electronic sensing device to the required level and grade and rolling by road roller as per specifications, to achieve the desired density, but excluding the cost of primer / tack coat |   |     |          |        |              | -      | -            |
| (a) | 238014 | 50mm average compacted thickness with bitumen of 60/70 grade @ 3.5% by weight of total mix  | 1 | Sqm | 13875.00 | 356.81 | 49,50,738.75 | 510.99 | 70,89,952.96 |

|                      |        |  |   |     |        |          |                       |           |                       |
|----------------------|--------|--|---|-----|--------|----------|-----------------------|-----------|-----------------------|
| 4                    | 238020 | Providing and laying Dense Bituminous concrete on prepared surface with specified graded stone aggregate for wearing course, mixing of bitumen, filler & stone aggregate in hot mix plant, transporting the mixed material and laying with mechanical paver finisher fitted with electronic sensing device to the required level and grade and rolling with road rollers, as per specification to achieve the desired density and compaction, but excluding cost of primer / tack coat |   |     |        |          |                       | -         | -                     |
| (a)                  | 238021 | 40mm/50mm compacted thickness with bitumen of grade 60/70 @ 6.5% and lime @ 3% by weight of total mix  | 1 | Cum | 555.00 | 9,261.19 | 51,39,960.45          | 13,262.95 | 73,60,937.36          |
| <b>Sub-Total (A)</b> |        |  |   |     |        |          | <b>1,67,55,577.58</b> | -         | <b>2,39,95,662.65</b> |