



**Tender No. DFC-DDU-EN-IMSD-DGON-2023**

**For**

Construction of IMSD building at DGON in between DDU-CPBN section under  
CGM/DDU/DFCCIL section.

**E-TENDER DOCUMENT  
TWO PACKET  
Mar-2023**

**PACKET 'B' FINANCIAL BID**

**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**

**Estimate (IMSD BUILDING ) DGON under CGM DDU unit**

| <b>S. No.</b> | <b>Description of works</b> | <b>Estimated as per USSOR-2012</b> | <b>% rate Above/Be low</b> | <b>Final Estimated Amount</b> |
|---------------|-----------------------------|------------------------------------|----------------------------|-------------------------------|
| <b>1</b>      | SchA-11                     | 68,91,173.28                       | 29.27                      | 89,08,219.70                  |
| <b>2</b>      | SchA-12                     | 3,00,331.64                        | 32.87                      | 3,99,052.77                   |
| <b>3</b>      | SchA-13                     | 57,184.92                          | 30.25                      | 74,483.27                     |
| <b>4</b>      | SchA-14                     | 6,49,819.99                        | 30.43                      | 8,47,584.68                   |
| <b>5</b>      | SchA-15                     | 23,66,574.99                       | -14.09                     | 20,33,124.57                  |
| <b>6</b>      | SchA-16                     |                                    |                            | 16,43,654.00                  |
| <b>Total</b>  |                             |                                    |                            | <b>1,39,06,118.99</b>         |

**Note-NS item works will be paid as per CPWD SOR-2019**

**Estimate (IMSD BUILDING ) DGON under CGM DDU unit**

| Sl.No.           | USSOR Item no.   | Description   | Unit | Quantity<br>IMSD<br>BUILDING | Rate    | Amount         | %Rate<br>Above | Estimated<br>Amount |
|------------------|------------------|---|------|------------------------------|---------|----------------|----------------|---------------------|
| <b>SCH-A -11</b> |                  |   |      |                              |         |                |                |                     |
| 1                | 192010           | Earthwork in excavation for foundations and floors of the bridges, retaining walls etc. including setting out, dressing of sides, ramming of bottom, getting out the excavated material, back filling in layers with approved material and consolidation of the layers by ramming and watering etc. including all lift, disposal of surplus soil upto a lead of 300m, all types of shoring and strutting with all labour and material complete as per drawing and technical specification as directed by Engineer in charge |      |                              |         |                |                |                     |
| 2                | 192011           | All kinds of soils  | cum  | 303                          | 292.93  | ₹ 88,889.17    | 29.27          | ₹ 1,14,907.03       |
| 3                | 031010<br>031011 | Providing and laying in position cement concrete of specified proportion excluding cost of cement, centering and shuttering - All works upto plinth level : 1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 20mm nominal size)  | Cum  | 83                           | 2813.6  | ₹ 2,32,767.02  | 29.27          | ₹ 3,00,897.92       |
| 1                | 033060<br>033063 | Supply and using cement at worksite : OPC   | MT   | 356                          | 6631.36 | ₹ 23,59,702.83 | 29.27          | ₹ 30,50,387.84      |
| 4                | 041010<br>041011 | Providing and laying in position M-20 Grade concrete for reinforced concrete structural elements, but excluding cost of centering, shuttering, reinforcement and Admixtures in recommended proportion (as per IS:9103) to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer in charge All work upto plinth level including raft foundation of washable aprons, HS tank, pile cap, footings of FOB and Platform shelter etc.                | Cum  | 105                          | 3341.6  | ₹ 3,51,560.05  | 29.27          | ₹ 4,54,461.67       |
| 5                | 041012           | All works in buildings above plinth level upto floor two level  | Cum  | 129                          | 3619.33 | ₹ 4,65,587.35  | 29.27          | ₹ 6,01,864.77       |
| 6                | 042010<br>042011 | Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, raft foundation of washable aprons, Pile caps, Footings of FOB etc.  | Sqm  | 560.848                      | 138.3   | ₹ 77,565.28    | 29.27          | ₹ 1,00,268.64       |
| 7                | 042010<br>042013 | Suspended floors, roofs, landings, balconies, FOB slabs, walkway slabs and access platform  |      | 395.870                      | 230.28  | ₹ 91,160.94    | 29.27          | ₹ 1,17,843.75       |
| 8                | 042010<br>042014 | Centering and shuttering including strutting, propping etc. and removal of form for : Lintels, beams, plinth beams, bed blocks, girders, bressumers and cantilevers   | Sqm  | 547.082                      | 201.54  | ₹ 1,10,258.91  | 29.27          | ₹ 1,42,531.69       |
| 9                | 042010<br>042015 | Columns, pillars, posts and struts  | Sqm  | 292.32                       | 282.3   | ₹ 82,521.94    | 29.27          | ₹ 1,06,676.11       |
| 10               | 051020<br>051026 | Brick work with modular bricks of class designation 7.5 in foundation and plinth in : Cement Mortar 1:6 (1 cement : 6 coarse sand)  | Cum  | 316.44                       | 2614.87 | ₹ 8,27,446.55  | 29.27          | ₹ 10,69,640.15      |
| 11               | 051040           | Extra over items 051010 & 051020 for brick work in superstructure beyond plinth level upto floor two level :  | Cum  | 316.44                       | 140.42  | ₹ 44,434.35    | 29.27          | ₹ 57,440.28         |
| 12               | 091090           | Laying cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate-20mm nominal size) of thickness 40mm to 100mm as under layer of flooring Shed of Electrical/TRD   | Cum  | 86.15                        | 3198.75 | ₹ 2,75,572.31  | 29.27          | ₹ 3,56,232.33       |
| 13               | 092010<br>092011 | Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete 25mm thick with 12.5mm nominal size stone aggregate  | Sqm  | 361.5                        | 116.05  | ₹ 41,952.08    | 29.27          | ₹ 54,231.45         |
| 14               | 111010<br>111011 | 12mm cement plaster of mix - 1:4 (1 cement : 4 fine sand)   | Sqm  | 2,960.56                     | 62.5    | ₹ 1,85,035.28  | 29.27          | ₹ 2,39,195.11       |
| 15               | 115080           | Finishing walls with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications with two or more coats applied @ 1.25 litre/10 sqm over and including one coat of Special primer applied @ 0.75 litre/10sqm   | Sqm  | 2733.83                      | 76.35   | ₹ 2,08,727.92  | 29.27          | ₹ 2,69,822.58       |
| 16               | 095020<br>095020 | Providing and fixing ceramic tiles conforming to IS:15622 of manufacturers approved by railway in all colours, shades, design and abrasion resistance class as approved by the Engineer-in-Charge in floors and landings over 20mm thick bed of cement mortar 1:4 (1 cement : 3 coarse sand) including pointing in white cement mixed with pigment of matching shade complete   |      |                              |         |                |                |                     |

|              |                  |  |     |         |         |                       |       |                       |
|--------------|------------------|--|-----|---------|---------|-----------------------|-------|-----------------------|
| 17           | 095020<br>095021 | Of Group B-II Clause 5.1 (for abrasion resistance) of IS:15622 (Ceramic Floor Tiles) of size 300mmx300mm   | Sqm | 27.00   | 545.42  | ₹ 14,726.34           | 29.27 | ₹ 19,036.74           |
| 18           | 095020<br>095026 | Of Group B-II Clause 5.1 (for abrasion resistance) of IS:15622 (Ceramic Floor Tiles) of size 600mmx600mm   | Sqm | 324.50  | 1016.16 | ₹ 3,29,743.92         | 29.27 | ₹ 4,26,259.97         |
| 19           | 095013           | 300x450 mm and above   | Sqm | 63      | 826.31  | ₹ 52,057.53           | 29.27 | ₹ 67,294.77           |
| 20           | 094070           | Providing and fixing 10mm thick heavy duty acid and/or alkali resistant factory made tiles conforming to Group V-RD series of approved make and colour using acid and/or alkali resisting mortar bedding and joints filled with acid and/or alkali resisting cement as per IS:4457 complete including cost of acid/alkali resistant cement   | Sqm |         |         | ₹ 0.00                |       |                       |
| 21           | 094071           | In dado/skirting on 12mm thick mortar 1:4 (1 appropriate cement : 4 coarse sand  | Sqm | 100     | 1156.86 | ₹ 1,15,686.00         | 29.27 | ₹ 1,49,547.29         |
| 22           | 099034           | Granite Black-Area of slab over 0.5 sqm but upto 1.0 sqm   | Sqm | 100     | 3218.2  | ₹ 3,21,820.00         | 29.27 | ₹ 4,16,016.71         |
| 23           | 098020<br>098022 | Supplying and laying interlocking pre-cast CC block pavers of approved design factory manufactured of specified grade cement concrete on passenger platform, foot paths, circulating area etc. including setting in position over 25mm thick bedding layer of fine sand, filling the joints with fine sand, leveling including compaction as per IS:15658 80mm thick blocks of M-35 grade for medium traffic | Sqm | 77      | 726.57  | ₹ 55,945.89           | 29.27 | ₹ 72,321.25           |
| 24           | 081010<br>081010 | Structural steel work in single section including cutting, bending, straightening, drilling, rivetting, bolting, hoisting, fixing in position, including applying a priming coat of approved steel primer, complete - upto 6m height above GL  |     |         |         | ₹ 0.00                |       |                       |
| 25           | 081010<br>081012 | In flats, plates, round or square bars   | Kg  | 7602.5  | 68.42   | ₹ 5,20,163.05         | 29.27 | ₹ 6,72,414.77         |
| 26           | 082030<br>082032 | Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item)With float/frosted glass panes of 5.5mm thickness (weight not less than 13.75 kg/sqm)   | SQM | 42.3225 | 894.29  | ₹ 37,848.59           | 29.27 | ₹ 48,926.87           |
| <b>Total</b> |                  |  |     |         |         | <b>₹ 68,91,173.28</b> |       | <b>₹ 89,08,219.70</b> |

| Sl.No.           | USSOR Item no. | Description   | Unit | Quantity<br>IMSD<br>BUILDING | Rate    | Amount               | %Rate<br>Above | Estimated<br>Amount  |
|------------------|----------------|---|------|------------------------------|---------|----------------------|----------------|----------------------|
| <b>Sch-A -12</b> |                |   |      |                              |         |                      |                |                      |
| 1                | O71010         | Providing wood work in frames of doors, windows, clerestory windows and other frames and trusses, wrought, framed and fixed in position :   |      | #####                        |         |                      |                |                      |
| 2                | O71011         | Second class teak wood  | cudm | 823                          | 90.57   | ₹ 74,502.88          | 32.87          | ₹ 98,991.98          |
| 3                |                | Providing and fixing panelled/glazed or panelled and glazed shutters for doors, windows and clerestory windows including ISI marked black enamelled M.S. butt hinges with necessary screws excluding, panelling/glazing which will be paid for separately   |      |                              |         |                      |                |                      |
| 4                | O72011         | Second class teak wood, 35mm thick  | Sqm  | 34                           | 2477.19 | ₹ 84,794.21          | 32.87          | ₹ 1,12,666.07        |
| 5                | O78150         | Providing and fixing to existing door frames 30mm thick factory made solid both side prelaminate panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mmx19mm for styles and 15mmx15mm, top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5mm thick heat moulded prelaminate PVC Foam Sheet 'C' channel as per drawing given in IR Standard Specifications complete in all respect | Sqm  | 6                            | 3191.61 | ₹ 20,107.14          | 32.87          | ₹ 26,716.36          |
| 6                | O78010         | Providing and fixing ISI marked aluminium butt hinges ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :  |      |                              |         |                      |                |                      |
| 7                | O78011         | 125mmx75mmx4mm  | Each | 262                          | 98.11   | ₹ 25,704.82          | 32.87          | ₹ 34,153.99          |
| 8                | O78030         | Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete :  |      |                              |         |                      |                |                      |
| 9                | O78032         | 250mmx10mm  | EACH | 28.00                        | 93.7    | ₹ 2,623.60           | 32.87          | ₹ 3,485.98           |
| 10               | O78035         | 100mmx10mm  | EACH | 136                          | 49.55   | ₹ 6,738.80           | 32.87          | ₹ 8,953.84           |
| 11               | O78060         | Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete  |      |                              |         |                      |                |                      |
| 12               | O78062         | 100mm Each  | EACH | 82.00                        | 58.92   | ₹ 4,831.44           | 32.87          | ₹ 6,419.53           |
| 13               | O77140         | Providing and fixing bright finished brass hanging type floor door stopper with necessary screws etc. complete  | EACH | 14.00                        | 91.07   | ₹ 1,274.98           | 32.87          | ₹ 1,694.07           |
| 14               | O78070         | Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour and shade with necessary screws etc. complete :  |      |                              |         |                      |                |                      |
| 15               | O78072         | Twin rubber stopper   | Each | 14.00                        | 95.66   | ₹ 1,339.24           | 32.87          | ₹ 1,779.45           |
| 16               | O78080         | Providing and fixing aluminium casement stays 250mm long ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour and shade with necessary screws etc. complete   | Each | 64.00                        | 82.71   | ₹ 5,293.44           | 32.87          | ₹ 7,033.39           |
| 17               | 171020         | Fixing chowkhats in existing opening including embedding chowkhats in floors or walls, cutting masonry for holdfasts embedding hold fasts in cement concrete blocks of 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) painting two coats of coal tar to sides of chowkhats and making good the damages to walls and floors to match existing surface, complete including disposal of rubbish to the dumping ground within 50m lead   |      |                              |         |                      |                |                      |
| 18               | 171021         | Door chowkhats  | Each | 108.00                       | 393.77  | ₹ 42,527.16          | 32.87          | ₹ 56,505.84          |
| 19               | 171022         | Window chowkhats  | Each | 112.00                       | 273.16  | ₹ 30,593.92          | 32.87          | ₹ 40,650.14          |
| <b>Total</b>     |                |   |      |                              |         | <b>₹ 3,00,331.64</b> |                | <b>₹ 3,99,050.65</b> |

**Estimate (IMSD BUILDING ) DGON under CGM DDU unit**

| Sl.No.          | USSOR Item no. | Description   | Unit | Quantity<br>IMSD BUILDING | Rate | Amount             | %Rate Above | Estimated Amount   |
|-----------------|----------------|---|------|---------------------------|------|--------------------|-------------|--------------------|
| <b>Sch-A-13</b> |                |   |      |                           |      |                    |             |                    |
| <b>1</b>        | 151050         | Providing and fixing white, vitreous china flat back half stall urinal of 580mmx380mmx350mm with white P.V.C. automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS:2556, C.I. trap with outlet grating and other coupling in C.P. brass including painting of fittings and cutting and making good the walls and floors, wherever required                       |      |                           |      |                    |             |                    |
| <b>2</b>        | 151051         | Single half stall urinal with 5 litres P.V.C. automatic flushing cistern  | Each | 6                         | 4656 | ₹ 27,933.60        | 30.25       | ₹ 36,383.47        |
| <b>3</b>        | 151030         | Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litres low level white vitreous china flushing cistern and C.P flush bend with fittings & C.I./ M.S. brackets, 40mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors, wherever required |      |                           |      |                    |             |                    |
| <b>4</b>        | 151031         | W.C. pan with ISI marked white solid plastic seat and lid   | Each | 4                         | 4326 | ₹ 17,305.96        | 30.25       | ₹ 22,540.99        |
| <b>5</b>        | 151078         | White, vitreous china surgeon type wash basin of size660 mmx460mm with a pair of 15mm C.P. brass pillar taps with elbow operated levers   | Each | 4                         | 2986 | ₹ 11,945.36        | 30.25       | ₹ 15,558.81        |
| <b>Total</b>    |                |   |      |                           |      | <b>₹ 57,184.92</b> |             | <b>₹ 74,483.27</b> |

**Estimate (IMSD BUILDING ) DGON under CGM DDU unit**

| Sl.No.           | USSOR Item no. | Description           | Unit | Quantity<br>IMSD<br>BUILDING | Rate  | Amount               | %Rate<br>Above | Estimated<br>Amount  |
|------------------|----------------|-----------------------|------|------------------------------|-------|----------------------|----------------|----------------------|
| <b>Sch-A -14</b> |                |                       |      |                              |       |                      |                |                      |
| <b>1</b>         | 252020         | Supply of Moorum      | Cum  | 1,379                        | 434.4 | ₹ 5,98,887.64        | 30.43          | ₹ 7,81,129.15        |
| <b>2</b>         | 252120         | Supply of Coarse Sand | Cum  | 53                           | 966   | ₹ 50,932.35          | 30.43          | ₹ 66,431.06          |
| <b>Total</b>     |                |                       |      |                              |       | <b>₹ 6,49,819.99</b> |                | <b>₹ 8,47,560.21</b> |

**Estimate (IMSD BUILDING ) DGON under CGM DDU unit**

| <b>Sl.No.</b>    | <b>USSOR Item no.</b> | <b>Description</b>   | <b>Unit</b> | <b>Quantity<br/>IMSD<br/>BUILDING</b> | <b>Rate</b> | <b>Amount</b>         | <b>%Rate<br/>Above/Be<br/>low</b> | <b>Estimated<br/>Amount</b> |
|------------------|-----------------------|--|-------------|---------------------------------------|-------------|-----------------------|-----------------------------------|-----------------------------|
| <b>Sch-A -15</b> |                       |  |             |                                       |             |                       |                                   |                             |
| <b>1</b>         | 045010 045016         | Supplying reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete - Thermo-Mechanically Treated bars | Kg          | 36,714                                | 64.46       | ₹ 23,66,574.99        | -14.09                            | ₹ 20,33,124.57              |
| <b>Total</b>     |                       |  |             |                                       |             | <b>₹ 23,66,574.99</b> |                                   | <b>₹ 20,33,124.57</b>       |



| <b>Estimate (IMSD BUILDING ) DGON under CGM DDU unit</b> |                          |                                     |             |                                       |             |                       |                                   |                             |
|--|--------------------------|-------------------------------------|-------------|---------------------------------------|-------------|-----------------------|-----------------------------------|-----------------------------|
| <b>Sl.No.</b>  | <b>USSOR Item no.</b>    | <b>Description</b>                  | <b>Unit</b> | <b>Quantity<br/>IMSD<br/>BUILDING</b> | <b>Rate</b> | <b>Amount</b>         | <b>%Rate<br/>Above/<br/>Below</b> | <b>Estimated<br/>Amount</b> |
| <b>Sch-A -16</b>   |                          |                                     |             |                                       |             |                       |                                   |                             |
| <b>NS Item</b>   |                          |                                     |             |                                       |             |                       |                                   |                             |
| <b>1</b>   |                          | ELECTRICAL FITTINGS (10% of value ) | LS          | 1                                     |             | ₹ 7,31,905.00         | 0                                 | ₹ 7,31,905.00               |
| <b>2</b>   | Chapter 13 & 15 of USSOR | Pipeline and sanitary items         | LS          | 1                                     |             | ₹ 7,00,000.00         | 30.25                             | ₹ 9,11,750.00               |
| <b>Grand Total</b>                                       |                          |                                     |             |                                       |             | <b>₹ 14,31,905.00</b> |                                   | <b>₹ 16,43,655.00</b>       |