



## Corrigendum

**IIT Mandi (CW)/SE-1627/2024-25/1656-58**

**Dated: 20-09-2024**

In continuation of this office e-NIT No. IIT Mandi (CW)/SE-1627/2024-25/1346-48 dated 30-08-2024 for the work:-

**Construction of bundled SDRA foundation wall and gabion walls at back side of auditorium block & faculty housing upto bridge towards Kataula (Dhulchi) river and R.C.C. drains for channelization of surface water at North Campus of IIT Mandi.**

**Following correction are done in below mentioned item.**

1. **Item No. 15** has been modified with the unit of item. The unit of item may be read as **bag** instead of **meter**. [Revised item attached].

**Further, the dates are extended as below due to administrative reasons:**

1. The last date of submission of bids online 23-09-2024 at 06:00 P.M.
2. The date of opening of e-tenders will be 25-09-2024 at 03:30 P.M for technical bid.

All other terms and conditions shall remain the same. This corrigendum shall form part of the tender document.

For details of e-NIT visit our website <https://www.iitmandi.ac.in/tenders.php> & CPP Portal <http://eprocure.gov.in/eprocure/app>

Copy to:

1. Notice Board
2. Central Public Procurement Portal
3. IIT Mandi Website

Sd/-  
Superintending Engineer

Sd/-  
Superintending Engineer

**Schedule of quantity**

| <b>Name of Work: Construction of bundled SDR foundation wall and gabion walls at back side of auditorium block &amp; faculty housing upto bridge towards Kataula (Dhulchi) river and R.C.C. drains for channelization of surface water at North Campus of IIT Mandi.</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |             |                   |                     |
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| <b>Sl. No.</b>                                                                                                                                                                                                                                                           | <b>DESCRIPTION OF ITEMS</b>                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Qty.</b> | <b>UNIT</b> | <b>RATE (INR)</b> | <b>AMOUNT (INR)</b> |
| 1.                                                                                                                                                                                                                                                                       | Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth, 1.5m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth, within all lead and lift as directed by Engineer-in-Charge.<br>a) All kinds of soil as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.                | 2128.00     | Cum         |                   |                     |
| 2.                                                                                                                                                                                                                                                                       | Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth, within all lead and lift as directed by Engineer-in-Charge.<br>a) Hard rock (blasting prohibited) as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift. | 3432.00     | Cum         |                   |                     |
| 3.                                                                                                                                                                                                                                                                       | Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50m outside the periphery of the area cleared as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.                                                                | 675.00      | Sqm         |                   |                     |
| 4.                                                                                                                                                                                                                                                                       | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :<br>a) 1:1½:3 (1 Cement: 1½ coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural                                                                                                                                                | 5378.00     | Cum         |                   |                     |

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|    | sources) as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.                                                                                                                                                                                                                                                                                                     |         |     |  |  |
| 5. | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :<br>a) 1:2:4 (1 cement : 2 coarse sand(zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources) as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.  | 12.00   | Cum |  |  |
| 6. | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :<br>a) 1:3:6 (1 Cement : 3 coarse sand(zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.  | 418.00  | Cum |  |  |
| 7. | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :<br>a) 1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources) as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift. | 171.00  | Cum |  |  |
| 8. | Centering and shuttering including strutting, propping etc. and removal of form work for :<br>a) Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc. as per entire satisfaction and direction of                                                                                                                                   | 9042.00 | Sqm |  |  |

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|     | Engineer -in-charge including carriage of material within all lead and lift.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |     |  |  |
| 9.  | Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :<br>a) 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size) as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.                                                                                                                                                                                                                                                                                               | 1370.00   | cum |  |  |
| 10. | Centering and shuttering including strutting, propping etc. and removal of form for :<br>a) Foundations, footings, bases of columns, etc. for mass concrete as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.                                                                                                                                                                                                                                                                                                                                                                                                                               | 1080.00   | Sqm |  |  |
| 11. | Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.<br>a) Thermo-Mechanically Treated bars of grade Fe-500D or more as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.                                                                                                                                                                                                                                                                                                                                                                            | 180180.00 | Kg  |  |  |
| 12. | Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources and using recycled concrete aggregate (RCA) as coarse aggregate and fine aggregate within permissible utilization of 20% each, Portland Pozzolana /Ordinary Portland/Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and | 1302.00   | Cum |  |  |

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|     | <p>reinforcement as per direction of the engineer-in-charge; for the following grades of concrete.<br/>Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement</p> <p>a) All works upto plinth level<br/>i) Concrete of M25 grade with minimum cement content of 330 kg /cum as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.</p> |         |            |  |  |
| 13. | <p>Add for Extra Cement in terms of design mix over the specified cement content therein as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 207.90  | quintal    |  |  |
| 14. | <p>A/R Providing and fixing 110mm dia Unplasticized rigid PVC pipe of required size for weep holes in plum concrete walls including cutting, placing and fixing in required slope all complete as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.</p> <p>a) 110mm dia as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.</p>                                                                                                                                                                                                | 5288.00 | mtrs       |  |  |
| 15. | <p>Cement pressure grouting through Hollow/Solid Rock anchor of outer dia 76/51/38/32/25 in rock/overburden including all cost of material and equipments required to complete the grouting work at desired pressure</p> <p>a) outer dia 76/51/38/32/25 as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.</p>                                                                                                                                                                                                                                                                                    | 4770.00 | <b>Bag</b> |  |  |



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| 16. | Supply and installation of Self driven rock anchor made of 40CR material with outer dia of 38mm and inner dia 19mm, Yield load carrying capacity of min 400kn/m in soil/overburden /rock suitable for drilling, placing and cement grouting. Installation with all accessories such as 76 mm dia drill bit, coupler, 10mm thick base plate and nut and bolt complete in all respect but excluding the cost of cement grouting which will be paid extra as per relevant BOQ item.<br>a) 40CR material with outer dia of 38mm and inner dia 19mm as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift. | 2385.00 | Mtrs |  |  |
| 17. | Supply and installation of 25mm dia fully threaded rock anchors (Fe550D) including supply of all material, labour, t&p for proper completion of work<br>a) 25mm dia as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.                                                                                                                                                                                                                                                                                                                                                                            | 2385.00 | Mtrs |  |  |
| 18. | Drilling of 50mm dia hole for installation of 25mm dia Anchors in rock by sufficient drilling equipment with necessary auxiliary equipment & accessories and including all cost of equipments, labour, material & works connected with drilling<br>a) 50 mm diameter as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.                                                                                                                                                                                                                                                                           | 2385.00 | Mtrs |  |  |

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| 19. | Providing & making Gabion structure with Mechanically Woven Double Twisted Hexagonal Shaped Wire mesh Gabion Boxes as per IS 16014:2012, MORTH Clause 2500, of required size, Mesh Type 10x12 (D=100 mm with tolerance of $\pm 2\%$ ) zinc coated, Mesh wire diameter 3.0 mm, mechanically edged/ selvedged with partitions at every 1m interval and shall have minimum 10 numbers of openings per meter of mesh perpendicular to twist, tying with lacing wire of diameter 2.2mm, supplied @3% by weight of Gabion boxes, filled with boulders with least dimension of 200 mm, as per drawing, all complete as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift. | 4110.00  | Cum |  |  |
| 20. | Providing and laying hard stone filling/soling including carriage of material with in all lead & lift as per entire satisfaction and direction of Engineer - in - charge.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1216.00  | Cum |  |  |
| 21. | Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 228.00   | Cum |  |  |
| 22. | Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.<br>a) In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.                                                                                                                                                                                                                                                                                                                 | 23256.00 | Kg  |  |  |
| 23. | Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :<br>a) Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture as per entire satisfaction and direction of Engineer -in-charge                                                                                                                                                                                                                                                                                                                                                                                                                      | 801.00   | Sqm |  |  |

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|     | including carriage of material within all lead and lift.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |      |  |  |
| 24. | Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :<br>a) All kinds of soil<br>i) Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.                                                                                                                                             | 700.00 | Mtr. |  |  |
| 25. | Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes 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 :<br>a) 250 mm dia. R.C.C. pipe as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.                                                                                                                                                                                                                                                                                                                                                                                                                                  | 700.00 | Mtrs |  |  |
| 26. | Constructing brick masonry circular type manhole 0.91 m internal dia at bottom and 0.56m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand), inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size), and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design :<br>a) 0.91 m deep with S.F .R.C. cover and frame (heavy duty , HD-20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 | 20.00  | Nos. |  |  |



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|     | kg., fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering, shuttering all complete. (Excavation, foot rests and 12mm thick cement plaster at the external surface shall be paid for separately) :<br>i) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |       |  |  |
| 27. | Extra depth for circular type manhole 0.91 m internal dia (at bottom) beyond 0.91 m to 1.67 m<br>a) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 10.00 | Mtrs. |  |  |
| 28. | Constructing brick masonry circular manhole 1.22 m internal dia at bottom and 0.56 m dia at top in cement mortar 1:4 (1 cement :4 coarse sand) inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement foundation concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design :<br>a) 1.68 m deep with SFRC Cover and frame (heavy duty HD-20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg. fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering, shuttering all complete. (Excavation, foot rests and 12 mm thick cement plaster at the external surface shall be paid for separately) :<br>i) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 | 30.00 | Nos.  |  |  |



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|     | as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.                                                                                                                                                                                   |       |      |  |  |
| 29. | Extra depth for circular type manhole 1.22 m internal dia (at bottom) beyond 1.68 m to 2.29 m :<br>a) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift. | 15.00 | Mtrs |  |  |
|     | <b>Total</b>                                                                                                                                                                                                                                                                                               |       |      |  |  |

**Note:-**

- 1. Quoted rate should be inclusive of all applicable taxes including GST (nothing extra shall be payable).**
- 2. All Statutory deduction will be made as per prevailing rates.**

Sd/-  
Superintending Engineer