

Corrigendum

IIT Mandi (CW)/SE-1630/2024-25/1356-58

Dated: 02-09-2024

In continuation of this office e-NIT No. IIT Mandi (CW)/SE-1630/2024-25/1187-89 Dt. 09-08-2024 for the work:-

Construction of RCC/toe walls and channelization of nallah at backside of academic, administrative blocks from A-09 to A-18 blocks at North Campus of IIT Mandi.

Following clarification/addition are done in different items.

1. **Item No. 20** has been modified with the ratio of cement concrete being 1:2:4 [Revised item attached].
2. **In Item No. 22** the specification for Geotextile has been added & a note is added below the item. [Revised item attached].
3. A note has been added in **item No. 25** [Revised item attached].

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

1. The last date of submission of bids online 09-09-2024 at 06:00 P.M.
2. The date of opening of e-tenders will be 11-09-2024 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

Name of Work: Construction of RCC/toe walls and channelization of nallah at backside of academic, administrative blocks from A-09 to A-18 blocks at North Campus of IIT Mandi.

Sl. No.	DESCRIPTION OF ITEMS	Qty.	UNIT	RATE (INR)	AMOUNT (INR)
1.	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth within all lead and lift as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.. a) All kinds of soil	4798.00	cum		
2.	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth within all lead and lift, as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift. a) Hard rock (blasting prohibited)	1200.00	cum		
3.	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms within all lead and lift, including getting out the excavated soil and disposal of surplus excavated soils as directed, within all lead and lift. a) All kinds of soil as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.	264.00	cum		
4.	Excavating, supplying and filling of local	1260.00	cum		

	earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete 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 : a) 1:5:10 (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.	415.00	cum		
6.	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to all level : 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.	4214.00	cum		
7.	Centering and shuttering including strutting, propping etc. and removal of form for 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.	1107.00	sqm		
8.	Centering and shuttering including strutting, propping etc. and removal of form for	6579.00	sqm		

	a) Walls (any thickness) including attached pilasters, buttersesses, plinth and string courses etc. as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.				
9.	Centering and shuttering including strutting, propping etc. and removal of form for a) Suspended floors, roofs, landings, balconies and access platform as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.	49.00	Sqm		
10.	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto all level. 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.	115080.00	kg		
11.	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, 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 reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. a) All works upto plinth level i) Concrete of M25 grade with minimum	2392.50	cum		

	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.				
12.	<p>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, 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 reinforcement as per direction of the engineer-in-charge; for the following grades of concrete.</p> <p>a) All works above plinth level upto floor V level.</p> <p>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>	38.04	cum		
13.	<p>Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with :</p> <p>a) Cement mortar 1:6 (1 cement : 6 coarse sand) as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.</p>	62.68	cum		
14.	Providing & making Gabion structure with Mechanically Woven DoubleTwisted Hexagonal Shaped Wire mesh Gabion	3480.00	cum		

	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.				
15.	A/R Providing and laying hard stone filing/soling including carriage of material as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.	1080.00	cum		
16.	Providing and fixing on wall face 110 mm diameter unplasticised Rigid PVC pipes conforming to IS : 13592 Type A, for weep hole in retaining wall and toe wall etc. as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.	1470.00	mtr.		
17.	Providing and fixing factory made precast RCC perforated drain covers, having concrete of strength not less than M-25, of size 1000 x 700x50 mm, reinforced with 8 mm dia four nos longitudinal & 9 nos cross sectional T.M.T. hoop bars, including providing 50 mm dia perforations @ 100 to 125 mm c/c, including providing edge binding with M.S. flats of size 50 mm x 1.6 mm complete, all as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.	225.00	Each		

18.	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.	2280.00	kg		
19.	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.	1875.00	kg		
20.	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to all level : a) 1:2:4 (1 cement : 2 coarse sand (zone-III): 4 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.	144.00	Cum		
21.	Dry stone pitching 22.5cm thick including supply of stones and preparing surface smooth as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.	26.96	sqm		
22.	Providing and installation of subsurface drainage pipes-Perforated PVC pipe (lined and non-woven geotextile confirming to MORTH Specification) of 75mm internal diameter as per the drawing etc. complete including the cost of drilling and as per entire satisfaction	720.00	Rm		

	and direction of Engineer -in-charge including carriage of material within all lead and lift. Note: The rate shall include all the operations needed for the execution of the item above and the cost of Geotextile material.				
23.	Supply and installation of 25mmdia fully threaded rock anchors (Fe550D) including supply of all material, labour, t&p for proper completion of work as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.	720.00	Rm		
24.	Drilling of 50mm dia hole for installation of 25mm dia anchors in rock by sufficient drilling equipments with necessary auxiliary equipment and accessories and including all cost of equipments, labour, material & works connected with drilling as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift.	720.00	Rm		
25.	Cement pressure grouting through Hollow soil/Solid Rock. Anchor of outer dia 75/51/38/32/25 in rock/overburden including all cost of material and equipments required to complete the grouting work at desired pressure as per entire satisfaction and direction of Engineer -in-charge including carriage of material within all lead and lift. Note: The rate shall include all the operations needed for the execution of the item above and the cost of plasticizer etc. The payment shall be based on number of cement bags consumed.	540.00	Bag		
				Total	

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