



**INDIAN INSTITUTE OF TECHNOLOGY (BHU)**  
**OFFICE OF THE REGISTRAR, IIT (BHU)**  
**VARANASI -221005**

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Tender Enquiry :

Ref. No.: IIT(BHU)/IPCell/IWC/2014-15/EL/Erection/ENQ/ 1137

Dated: 1<sup>st</sup> January 2015

Due Date: 10<sup>th</sup> January 2015

**CORRIGENDUM**

In continuation to this office Tender Enquiry No. IIT(BHU)/ IPCell / IWC / 2014-15 / EL / Erection / ENQ / 1035 dated 11<sup>th</sup> December, 2014 enclosed please find herewith revised BOQ & RCC Drawings. The last date of submission of bids has been extended till 10<sup>th</sup> January, 2015 upto 16.00 Hrs. Accordingly, the tenders will be opened on 12<sup>th</sup> January, 2015 at 12.00 Hrs. All other content will remain unchanged.

Date : \_\_\_\_\_

**Registrar**

*Indian Institute of Technology*  
*(Banaras Hindu University)*

**OFFICE OF THE CHAIRMAN  
INSTITUTE WORKS DEPARTMENT  
INDIAN INSTITUTE OF TECHNOLOGY,(BHU)**

**Name of work: Construction of RCC Cable Trench Phase A (800 R/M) IIT,(BHU) from Vivekanand Sub Station to IIT Guest House**

**QUOTATION FORM**

Sl.No.	Description of items	Qty.	Rate	Unit	Amount
1	Earth work in excavation manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m (All Kinds of soil) 2.8.1	1176.00		cum	
2	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) (4.1.8)	84.00		cum	
3	1:1.5:3 (1 Cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) (5.1.2)	185.00		cum	
4	Centring and Shuttering Foundations, footings, bases of columns etc. for mass concrete. (5.9.1)	352.00		sq m	
	B- Centring and shuttering of Wall (any thicknes) (5.9.2)	1940.00		sq m	
5	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete .				
	Thermo-Mechanically Treated bars. (5.22.6)	17102.00		Kg	
6	Providing, hoisting and fixing upto floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like including the cost of required centering, shuttering, finishing smooth with 6mm thick cement plaster 1:3 (1 cement :3 fine sand) on exposed surfaces complete but excluding cost of reinforcement with 1:2:4(1cement :2coarse sand :4graded stone aggregate 20mm nominal size). (5.12)	74.00		cum	
7	In gratings, frames, guard bar, ladders, railings, brackets, gates & similar works. (10.25.2)	6383.00		Kg.	
8	Providing and fixing on wall face unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes				
	110 mm diameter (12.41.2)	428.00		rum	
9	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth: consolidating each deposited layer by ramming and watering , lead up to 50m and lift up to 1.5m. (2.25)	454.00		cum	
10	Carrige of malaba (approved rate)	168.00		Trip	
11	Adding Collection Pit 02 no,s /100 mtr	16.00		no,s	

OFFICE OF THE CHAIRMAN  
INSTITUTE WORKS DEPARTMENT

INDIAN INSTITUTE OF TECHNOLOGY,(BHU)

**Name of work: Construction of RCC Cable Trench Phase B (770 R/M) IIT,(BHU) from Limbdi /De Hostel Crossing Towards (SN Boss & Morvi Hostal)**

**QUOTATION FORM**

Sl.No.	Description of items	Qty.	Rate	Unit	Amount
1	Earth work in excavation manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m (All Kinds of soil) 2.8.1	1130.00		cum	
2	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) (4.1.8)	81.00		cum	
3	1:1.5:3 (1 Cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) (5.1.2)	175.00		cum	
4	Centring and Shuttering Foundations, footings, bases of columns etc. for mass concrete. (5.9.1)	340.00		sq m	
	B- Centring and shuttering of Wall (any thicknes) (5.9.2)	1873.00		sq m	
5	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete .				
	Thermo-Mechanically Treated bars. (5.22.6)	16463.00		Kg	
6	Providing, hoisting and fixing upto floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like including the cost of required centering, shuttering, finishing smooth with 6mm thick cement plaster 1:3 (1 cement :3 fine sand) on exposed surfaces complete but excluding cost of reinforcement with 1:2:4(1cement :2coarse sand :4graded stone aggregate 20mm nominal size). (5.12)	73.00		cum	
7	In gratings, frames, guard bar, ladders, railings, brackets, gates & similar works. (10.25.2)	6141.00		Kg.	
8	Providing and fixing on wall face unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes				
	110 mm diameter (12.41.2)	412.00		rum	
9	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth: consolidating each deposited layer by ramming and watering , lead up to 50m and lift up to 1.5m. (2.25)	439.00		cum	
10	Carrige of malaba (approved rate)	137.00		Trip	
11	Adding Collection Pit 02 no,s /100 mtr	16.00		no,s	

**OFFICE OF THE CHAIRMAN  
INSTITUTE WORKS DEPARTMENT**

**INDIAN INSTITUTE OF TECHNOLOGY,(BHU)**

**Name of work: Construction of RCC Cable Trench Phase C (772 R/M) IIT,(BHU) from DSS to  
vivekanand Hostel & toward Electrical Engineering**

**QUOTATION FORM**

SI.No.	Description of items	Qty.	Rate	Unit	Amount
1	Earth work in excavation manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m (All Kinds of soil) 2.8.1	1135.00		cum	
2	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) (4.1.8)	82.00		cum	
3	1:1.5:3 (1 Cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) (5.1.2)	178.00		cum	
4	Centring and Shuttering Foundations, footings, bases of columns etc. for mass concrete. (5.9.1)	341.00		sq m	
	B- Centring and shuttering of Wall (any thicknes) (5.9.2)	1880.00		sq m	
5	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete . Thermo-Mechanically Treated bars. (5.22.6)	16503.00		Kg	
6	Providing, hoisting and fixing upto floor five level precast reinforced cement concrete work in string courses, bands,	75.00		cum	
7	In gratings, frames, guard bar, ladders, railings, brackets, gates & similar works. (10.25.2)	6008.00		Kg.	
8	Providing and fixing on wall face unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes				
	110 mm diameter (12.41.2)	413.00		rum	
9	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm	437.00		cum	
10	Carrige of malaba (approved rate)	136.00		Trip	
11	Adding Collection Pit 02 no,s /100 mtr	16.00		no,s	

**OFFICE OF THE CHAIRMAN  
INSTITUTE WORKS DEPARTMENT**

**INDIAN INSTITUTE OF TECHNOLOGY,(BHU)**

**Name of work: Construction of RCC Cable Trench Phase D (753 R/M) IIT,(BHU) from Department of Electrical Engineering to towards Civil Engineering & Link to DSS-B**

**QUOTATION FORM**

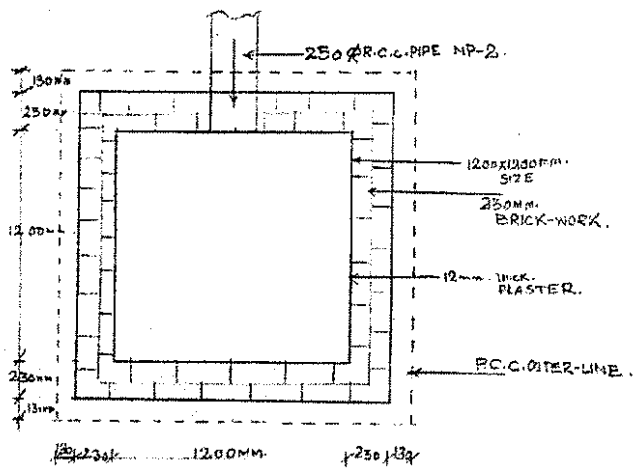
Sl.No.	Description of items	Qty.	Rate	Unit	Amount
1	Earth work in excavation manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m (All Kinds of soil) 2.8.1	1107.00		cum	
2	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) (4.1.8)	79.00		cum	
3	1:1.5:3 (1 Cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) (5.1.2)	174.00		cum	
4	Centring and Shuttering Foundations, footings, bases of columns etc. for mass concrete. (5.9.1)	370.00		sq m	
	B- Centring and shuttering of Wall (any thickness) (5.9.2)	1833.00		sq m	
5	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete .				
	Thermo-Mechanically Treated bars. (5.22.6)	16095.00		Kg	
6	Providing, hoisting and fixing upto floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like including the cost of required centering, shuttering, finishing smooth with 6mm thick cement plaster 1:3 (1 cement :3 fine sand) on exposed surfaces complete but excluding cost of reinforcement with 1:2:4(1cement :2coarse sand :4graded stone aggregate 20mm nominal size). (5.12)	72.00		cum	
7	In gratings, frames, guard bar, ladders, railings, brackets, gates & similar works. (10.25.2)	6009.00		Kg.	
8	Providing and fixing on wall face unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes				
	110 mm diameter (12.41.2)	408.00		rum	
9	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth: consolidating each deposited layer by ramming and watering , lead up to 50m and lift up to 1.5m. (2.25)	426.00		cum	
10	Carrige of malaba (approved rate)	160.00		Trip	
11	Adding Collection Pite 02 no,s /100 mtr	15.00		no,s	

**OFFICE OF THE CHAIRMAN  
INSTITUTE WORKS DEPARTMENT  
INDIAN INSTITUTE OF TECHNOLOGY,(BHU)**

**Name of work: Construction of RCC Collection Pit for Cable Trench**

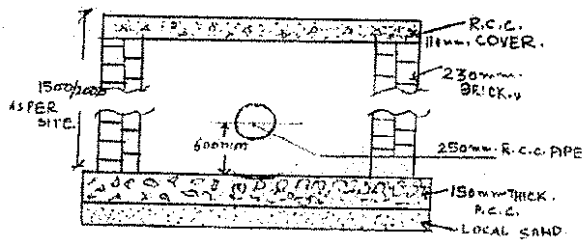
**QUOTATION FORM**

Sl.No.	Description of items	Qty.	Rate	Unit	Amount
1	Earth work in excavation manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m (All Kinds of soil) 2.8.1	13		cum	
2	Supplying and filling in plinth with local sand under floors including, watering, ramming consolidating and dressing complete.	0.4		cum	
3	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) (4.1.8)	0.6		cum	
4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in :  Cement mortar 1:6 (1 cement : 6 coarse sand) (6.1.2)	2.50		cum	
5	1:6 (1 cement : 6 coarse sand) (13.4.2)	20		sqm	
6	Neat cement punning (13.18)	8.5		sqm	
7	Providing, hoisting and fixing upto floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like including the cost of required centering, shuttering, finishing smooth with 6mm thick cement plaster 1:3 (1 cement :3 fine sand) on exposed surfaces complete but excluding cost of reinforcement with 1:2:4(1cement :2coarse sand :4graded stone aggregate 20mm nominal size). (5.12)	0.5		Rum	
8	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete .  Thermo-Mechanically Treated bars. (5.22.6)	60		Kg	
9	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. 250 mm dia. R.C.C. pipe (4.6.2.8)	3.0		Trip	
10	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth: consolidating each deposited layer by ramming and watering , lead up to 50m and lift up to 1.5m. (2.25)	10.5		NO,s	



PLAN OF WATER COLLECTION CHAMBER.

WATER-COLLECTING CHAMBER.  
I.N.D.I.T B.M.U.



SECTION - ONI-X-X

DRAWN BY.  
K. P. SHUKLA.  
26.12.2014

CHECKED BY.  
I.N.D.I.T. B.M.U.

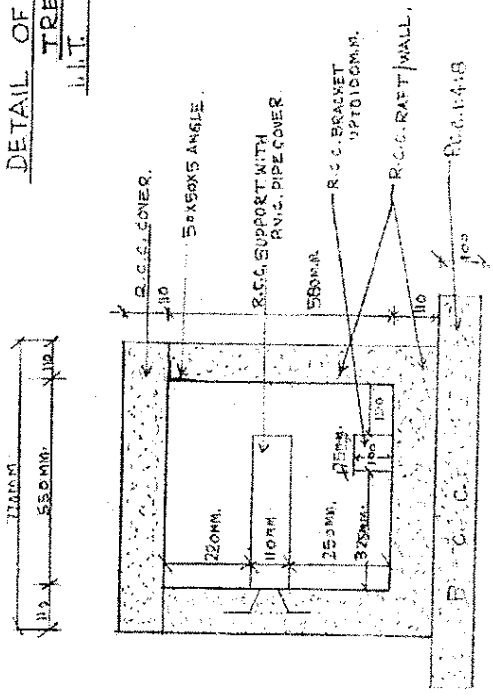
APPROVED BY.  
I.N.D.I.T.B.M.U.

21/12

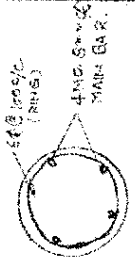
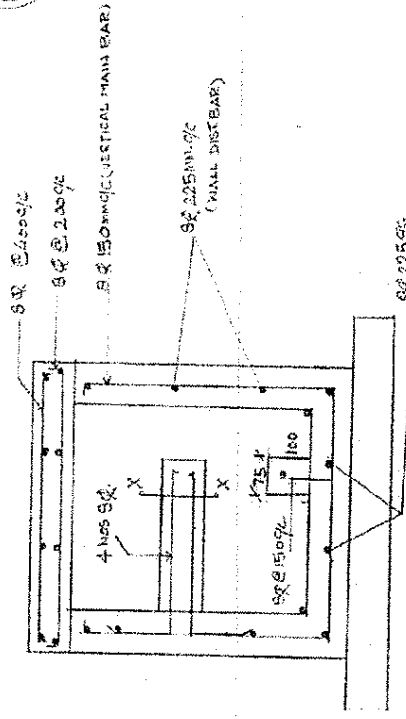
DETAIL OF R.C.C. CABLE TRENCH

L.T. B.H.U.

SCALE: 1:100



DETAIL OF R.C.C. CABLE TRENCH (CROSS-DRAWING)



SECTION-ON-X-X

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*[Signature]*  
L.T. B.H.U.

APPROVED BY  
*[Signature]*  
L.T. B.H.U.

DRAWN BY: K. R. SHUKLA  
26.12.2014  
DETAIL OF R.C.C. CABLE TRENCH  
(REINFORCEMENT DETAIL)