



Ref. No. 1170
8/1/2014

Tender Engineering Department
University of Karachi
Karachi-75270

CORRIGENDUM

SPPRA

Date of Opening:- 22-01-2014
Time of Opening:- 02:30 P.M.
Place of Opening:- Office of Director Finance, University of Karachi. **Tender # 01**
Work:- Proposed Construction of R.C.C Structure to remove present asbestos sheet's damage area at BCC & T Press, and Construction of boundary wall 10' high, providing & fixing Main Entrance gates 10' High at BCC & T Press Building, University of Karachi.

S. #.	ITEMS OF WORK.	QTY.	RATE.	UNIT.	P-01 AMOUNT
01.	Excavation for foundation trenches and drains in all kinds of soil and back filling the excavated material in foundation, plinth or under floor including breaking clods, watering, consolidation by ramming in layers not exceeding 9" in depth to full compaction, dressing and disposal of surplus excavated stuff as directed, lead up to one chain and lift up to 5'	641.50'		Cft.	
	1. Soft soil.	641.50'		Cft.	
	2. Hard Rock.				
02.	Dismantling cement concrete block masonry work & cement mortar in any floor including stacking salvaged material (serviceable) and disposing of surplus material as directed with in three chains.	200'		Cft.	
03.	Dismantling A.C. Corrugated sheet roofing in ground floor including stacking salvaged material (serviceable) and disposing of unserviceable material as directed by engineer in-charge.	900'		Sft.	
04.	Providing and laying 1:4:8 (1 cement 4 sand and 8 coarse aggregate) cement concrete using graded stone ballast 2" and down gauge in foundation including leveling, compacting and curing etc. complete.	200'		Cft.	
05.	Providing & laying in Situ 1:2:4 (1 cement 2 sand and 4 coarse aggregate) cement concrete using crush graded boulders 3/4" and down gauge in foundation, basement and plinth including form work, compacting, curing and removal of form work etc. complete, foundation and basement up to 5' depth and plinth up to 4" height from ground level.	200'		Cft.	
06.	Dismantling R.C.C including separating reinforcement from concrete in any floor including stacking at site and disposing of unserviceable material within three chains.	100'		Cft.	
07.	Providing and laying with mechanical mixing machine reinforced cement concrete using screened graded bajri 3/4" and down gauge having a minimum works cube crushing strength 2250 lbs. per sq. inch at 28 days with a mix not leaner than 1:2:4 in ordinary slab 5" to 6" thick including form work and its removal compacting with vibrator and curing etc. complete but excluding the cost of reinforcement, in any floor complete.	1400'		Cft.	
08.	Providing and laying cold worked ribbed deformed steel reinforcement bars with minimum yield stress of 60,000 psi make with and including the cost of straightening, cutting, bending, binding,				

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S. #	ITEMS OF WORK.	QTY.	RATE.	UNIT.	P-01 AMOUNT
01.	Excavation for foundation trenches and drains in all kinds of soil and back filling the excavated material in foundation, plinth or under floor including breaking clods, watering, consolidation by ramming in layers not exceeding 9" in depth to full compaction, dressing and disposal of surplus excavated stuff as directed, lead up to one chain and lift up to 5' 1. Soft soil. 2. Hard Rock.	641.50' 641.50'		Cft. Cft.	
02.	Dismantling cement concrete block masonry work & cement mortar in any floor including stacking salvaged material (serviceable) and disposing of surplus material as directed with in three chains.	200'		Cft.	
03.	Dismantling A.C. Corrugated sheet roofing in ground floor including stacking salvaged material (serviceable) and disposing of unserviceable material as directed by engineer in-charge.	900'		Sft.	
04.	Providing and laying 1:4:8 (1 cement 4 sand and 8 coarse aggregate) cement concrete using graded stone ballast 2" and down gauge in foundation including leveling, compacting and curing etc. complete.	200'		Cft.	
05.	Providing & laying in Situ 1:2:4 (1 cement 2 sand and 4 coarse aggregate) cement concrete using crush graded boulders 3/4" and down gauge in foundation, basement and plinth including form work, compacting, curing and removal of form work etc. complete, foundation and basement up to 5' depth and plinth up to 4' height from ground level.	200'		Cft.	
06.	Dismantling R.C.C including separating reinforcement from concrete in any floor including stacking at site and disposing of unserviceable material within three chains.	100'		Cft.	
07.	Providing and laying with mechanical mixing machine reinforced cement concrete using screened graded bajri 3/4" and down gauge having a minimum works cube crushing strength 2250 lbs. per sq. inch at 28 days with a mix not leaner than 1:2:4 in ordinary slab 5" to 6" thick including form work and its removal compacting with vibrator and curing etc. complete but excluding the cost of reinforcement, in any floor complete.	1400'		Cft.	
08.	Providing and laying cold worked ribbed deformed steel reinforcement bars with minimum yield stress of 60,000 psi make with and including the cost of straightening, cutting, bending, binding, wastage, and such overlaps as are not shown over the drawings, placing in position on cement concrete 1:2:4, precast of M.s. chair tying with binding wire etc. cost of chairs and wires etc. Complete in all kinds of RCC work at any height.	3100		KG	



S. #.	ITEMS OF WORK	QTY.	RATE.	UNIT.	AMOUNT
09.	Providing and laying 1:3:6 cement concrete solid block masonry 4" to 6" thick using graded screened bajri 3/4" and down gauge set in cement mortar 1:1.6 including scaffolding, raking out joints and curing etc. complete in any floor superstructure.	260'		Cft.	
10.	3/4" thick cement plaster 1:6 on walls, ceiling and columns etc in any floor including making edges, corners, and curing etc. complete internal & external surface of room	2450'		Sft.	
11	Providing and fixing hot dipped galvanized fully glazed with 5mm thick glass, single leaf hung steel window and ventilators made to critical or equivalent standard and of approved section including using approved brass section oxidized fittings, iron lugs, cutting holes and making good damages to walls etc. complete as required in any floor.	65'		Sft.	
12.	Providing and fixing iron grills with required section of 3/8" sq. bar iron as per approved design including welding all sides of the section at the junction, and fixing with sunk iron screws, painting two coats of enamel paint of (ICI) or equivalent make over a single coat of red oxide paint (ICI) or equivalent make etc. complete as required in any floor in masonry or concrete work.	65'		Sft.	
13	Providing and laying with mechanical mixing machine 3" thick C.C. Screeding / floor 1:2:4 using graded screened bajri of 3/4" and down gauge in any floor's roof slab mixed with pullo water proofing agent @ lbs each cement bag including consolidation, finishing, chamfer the corners and curing etc. complete. Including the cost of water proofing agent.	900'		Sft.	
14.	Oil bound distempering with distemper of approved make and shade in three coats including scraping, sand papering, darning, and filling the holes, cracks and inequalities, if any at any height in any floor (ICI Paintex) or equivalent make.	2450'		Sft.	
15.	Painting iron/wood work with ready mixed paint of approved make and shade two coats complete at any height in any floor (ICI) or equivalent make.	260'		Sft.	
16.	Providing and making temporary M.S pipe scaffolding ladder approved quality as directed by engineer in-charge, for supervision / monitoring of work as required at site.	1		L.S.	
BOUNDARY WALL					
17.	Excavation for foundation trenches and drains in all kinds of soil and back filling the excavated material in foundation, plinth or under floor including breaking clods, watering, consolidation by ramming in layers not exceeding 9" in depth to full compaction, dressing and disposal of surplus excavated stuff as directed, lead up to one chain and lift up to 5' (2650' cft) 1. Soft soil. 2. Hard Rock.	3830' 1642'		Cft. Cft.	
18	Leveling and dressing the ground by cutting and filling earth up to 6" in depth including consolidating and watering, complete as required at site.	2980'		Sft.	
19.	Cleaning jungle (dense) by cutting, removing all shrubs, trees, up to 6" girth etc. and taking out their entire roots and filling the hollows with earth complete with dressing, consolidating and watering the filling including stacking the serviceable materials and disposal of useless materials as directed, lead up to 10 chains, cost of earth included.	2980'		Sft.	
20.	Bailing or pumping out sub-soil water during excavation, concreting, cast in situ concrete or				

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09.	Providing and laying 1:3:6 cement concrete solid block masonry 4" to 6" thick using graded screened bajri 3/4" and down gauge set in cement mortar 1:1:6 including scaffolding, raking out joints and curing etc. complete in any floor superstructure.	260'		Cft.	
10.	3/4" thick cement plaster 1:6 on walls, ceiling and columns etc in any floor including making edges, corners, and curing etc. complete internal & external surface of room.	2450'		Sft.	
11.	Providing and fixing hot dipped galvanized fully glazed with 5mm thick glass, single leaf hung steel window and ventilators made to critical or equivalent standard and of approved section including using approved brass section oxidized fittings, iron lugs, cutting holes and making good damages to walls etc. complete as required in any floor.	65'		Sft.	
12.	Providing and fixing iron grills with required section of 3/8" sq. bar iron as per approved design including welding all sides of the section at the junction, and fixing with sunk iron screws, painting two coats of enamel paint of (ICI) or equivalent make over a single coat of red oxide paint (ICI) or equivalent make etc. complete as required in any floor in masonry or concrete work.	65'		Sft.	
13.	Providing and laying with mechanical mixing machine 3" thick C.C. Screeding / floor 1:2:4 using graded screened bajri of 3/4" and down gauge in any floor's roof slab mixed with pudlo water proofing agent @ lbs each cement bag including consolidation, finishing, chamfer the corners and curing etc. complete. Including the cost of water proofing agent.	900'		Sft.	
14.	Oil bound distemping with distemper of approved make and shade in three coats including scraping, sand papering, dusting, and filling the holes, cracks and inequalities, if any at any height in any floor (ICI Paintex) or equivalent make.	2450'		Sft.	
15.	Painting iron/wood work with ready mixed paint of approved make and shade two coats complete at any height in any floor (ICI) or equivalent make.	260'		Sft.	
16.	Providing and making temporary M.S pipe scaffolding ladder approved quality as directed by engineer in-charge, for supervision / monitoring of work as required at site.	1		L.S.	
BOUNDARY WALL.					
17.	Excavation for foundation trenches and drains in all kinds of soil and back filling the excavated material in foundation, plinth or under floor including breaking clods, watering, consolidation by ramming in layers not exceeding 9" in depth to full compaction, dressing and disposal of surplus excavated stuff as directed, lead up to one chain and lift up to 5' (2650' cft)				
	1. Soft soil.	3830'		Cft.	
	2. Hard Rock.	1642'		Cft.	
18.	Leveling and dressing the ground by cutting and filling earth up to 6" in depth including consolidating and watering, complete as required at site.	2980'		Sft.	
19.	Cleaning jungle (dense) by cutting, removing all shrubs, trees, up to 6" girth etc. and taking out their entire roots and filling the hollows with earth complete with dressing, consolidating and watering the filling including stacking the serviceable materials and disposal of useless materials as directed, lead up to 10 chains, cost of earth included.	2980'		Sft.	
20.	Bailing or pumping out sub-soil water during excavation, concreting, cast in situ concrete or masonry work in foundation etc. (only three operations to be allowed, trench volume under water to be measured first time for excavation, second time for concreting, and third time for cast in situ concrete or masonry work in foundation etc.	2736'		Cft.	



S.#	ITEMS OF WORK.	Q T Y.	RATE.	UNIT.	AMOUNT
21.	Providing and laying 1:4:8 (1 cement 4 sand and 8 coarse aggregate) cement concrete using graded stone ballast 2" and down gauge in foundation including leveling, compacting and curing etc. complete.	950'		Cft	
22.	Providing and laying with mechanical mixing machine reinforced cement concrete using screened graded bajri ¾" and down gauge having a minimum works cube crushing strength of 2250 lbs. per sq. inch at 28 days with a mix not leaner than 1:2:4 in columns of square or rectangular shape of regular section including form work and its removal compacting with vibrator and curing etc. complete but excluding the cost of reinforcement, in any floor complete. 1. Plinth Beam & Footing. 2. Column in Superstructure.	1237' 530'		Cft Cft	
23.	Providing and laying cold worked ribbed deformed steel reinforcement bars with minimum yield stress of 40,000 psi make with and including the cost of straightening, cutting, bending, binding, wastage, and such overlaps as are not shown over the drawings, placing in position on cement concrete 1:2:4, precast or M.S. chair tying with binding wire etc. cost of chairs and wires etc. Complete in all kinds of RCC work at any height.	4000		KG	
24.	Providing & laying in Situ 1:2:4 (1 cement 2 sand and 4 coarse aggregate) cement concrete using crush graded boulders ¾" and down gauge in foundation, basement and plinth including form work, compacting, curing and removal of form work etc. complete, foundation and basement up to 5' depth and plinth up to 4' height from ground level.	394'		Cft	
25.	Providing and laying 1:3:6 cement concrete solid block masonry 4" to 6" thick using graded screened bajri ¾" and down gauge set in cement mortar 1:1:6 including scaffolding, raking out joints and curing etc. complete in any floor superstructure.	2327'		Cft	
26.	¾" thick cement plaster 1:6 on walls, ceiling and columns etc in any floor including making edges, corners, and curing etc. complete internal & external surface of room in any floor.	12805'		Sft	
27.	Oil bound distemping with distemper of approved make and shade in three coats including scraping, sand papering, dusting, and filling the holes, cracks and inequalities, if any at any height in any floor (GOBIS) or equivalent make.	12805'		Sft	
28.	Providing and fixing hot dipped galvanized fully panelled double leaf steel doors made to crittal or equivalent standard and of approved sections with G.I. Sheet of 12 gauge including using approved brass section oxidized fittings, iron lugs, cutting holes and making good damages to walls etc. i/c cost of approved quality 3" to 4" dia S.S. wheels, fix arrows top of gate complete i/c cost of two coats of enamel paint of (GOBIS) or equivalent make over a single coat of primer of (GOBIS) or equivalent make, 3' x 7' wicket gate with hole fast and hinges embedded, 13mm thick M.S track for wheels of gate fix in RCC work as directed by engineer in-charge, boundary wall, Complete with locking arrangement of booth doors as required in any floor.	250'		Sft	
				Total	

S. No.	ITEMS OF WORK			
21.	Providing and laying 1:4:8 (1 cement 4 sand and 8 coarse aggregate) cement concrete using graded stone ballast 2" and down gauge in foundation including leveling, compacting and curing etc. complete.	950'		Cft
22.	Providing and laying with mechanical mixing machine reinforced cement concrete using screened graded bajri 3/4" and down gauge having a minimum works cube crushing strength of 2250 lbs. per sq. inch at 28 days with a mix not leaner than 1:2:4 in columns of square or rectangular shape of regular section including form work and its removal compacting with vibrator and curing etc. complete but excluding the cost of reinforcement, in any floor complete. 1. Plinth Beam & Footing. 2. Column in Superstructure.	1237' 530'		Cft Cft
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26.	3/8" thick cement plaster 1:6 on walls, ceiling and columns etc in any floor including making edges, corners, and curing etc. complete internal & external surface of room in any floor.	12805'		Sft
27.	Oil bound distemping with distemper of approved make and shade in three coats including scraping, sand papering, dusting, and filling the holes, cracks and inequalities, if any at any height in any floor (GOBIS) or equivalent make.	12805'		Sft
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				Total

UNIVERSITY ENGINEER

ASSISTANT ENGINEER (CIVIL)

CONTRACTOR (With seal)