

Bid Evaluation Report

1. Name of Procuring Agency: International Center for Chemical and Biological Sciences, University of Karachi.
2. Tender Reference No: CED/47/101017
3. Tender Description/Name of work/item: Construction of Over Head Water Tank near existing tank behind H.E.J. main building for Development of Latif Ebrahim Jamal National Science Information Center at ICCBS, University of Karachi.
4. Method of Procurement: Single Stage-Single Envelope
5. Tender Published: Advertised on Newspapers: 21st Sep, 2017 and at SPPRA website 26th Sep, 2017(Copy attached)
6. Total bid Sold: 07
7. Total bid Received: 05
8. Technical Bid Opening date: Nil
9. No. of eligible firms: 05
10. Firms Rejected: 00
11. Financial Bid Opening date: 10th Oct, 2017

PURCHASE COMMITTEE ICCBS INSTITUTIONS


1. **PROF. DR. M. SHAIQ ALI**

Chairman (I.C.C.B.S)


2. **DR. FARZANA SHAHEEN**

Member (I.C.C.B.S)


3. **DR. HAFIZ-UR-REHMAN**

Member (I.C.C.B.S)

Members from Institution


1. **MR SYED JEHAZEB**

External Member


2. **MR. WAJEEH ZAIDI**

External Member

Members outside the Institution

12. Participated Firms are:

<i>S No</i>	<i>Name of Firm or Bidder</i>	<i>Cost offered by the Bidder</i>	<i>Ranking in terms of cost</i>	<i>Comparison with Estimated cost</i>	<i>Reasons for acceptance/rejection</i>	<i>Remarks</i>
0	1	2	3	4	5	6
1.	M/s Pace Group	11,264,663.62	1 st Lowest Evaluated bidder	14.80% below	Recommended by the Procurement Committee	Accepted
2.	M/s Taha Enterprises	11,694,272.00	2 nd Lowest Evaluated bidder	11.55% below	Not recommended by the Procurement Committee due to higher price	Rejected
3.	M/s Tameezuddin Enterprises.	13,743,714.38	3 rd Lowest Evaluated bidder	3.94% above	Not recommended by the Procurement Committee due to higher price	Rejected
4.	M/s Syed and Siddiqui Associates	15,006,080.68	4 th Lowest Evaluated Bidder	13.49% above	Not recommended by the Procurement Committee due to higher price	Rejected
5.	M/s Semcon	16,657,435.34	5 th Lowest Evaluated Bidder	25.98% above	Not recommended by the Procurement Committee due to higher price	Rejected

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INTERNATIONAL CENTER FOR CHEMICAL AND BIOLOGICAL SCIENCES
UNIVERSITY OF KARACHI


MINUTES OF THE TECHNICAL COMMITTEE/BUILDING COMMITTEE MEETING
TENDER NO.CED/47/101017


CONSTRUCTION OF THE OVER HEAD WATER TANK NEAR EXISTING TANK BEHIND H.E.J. BUILDING FOR DEVELOPMENT OF LEJNSIC AT ICCBS UNIVERSITY OF KARACHI:


The Consultant M/s Atif Nazr (Pvt.) Ltd, presented the evaluation report. They elaborated that tenders were invited vide Tender Notice published in the Daily Dawn dated 21-09-2017 for the above-mentioned project. A total number of seven tenders were issued by the Civil Engineering Department, out of seven, five tenders were received. The tenders were opened on 10-10-2017 in the meeting room of the H.E.J building in front of the tender opening committee and the contractor's representatives. M/s Pace Group was the lowest bidder with an amount of Rs. 11,264,663.62 after scrutiny and they are 14.80% below the Engineering estimates. The consultant also presented the technical evaluation sheet and explained that all of the technical parameters like PEC registration, financial competency, list of similar work and etc have been checked. Finally, the Committee agreed to award the work to the lowest-evaluated bidder M/s Pace Group.

On the recommendations of building Committee:

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3. **DR. HAFEEZ-UR-REHMAN**
Member (I.C.C.B.S)


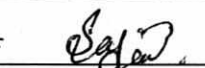



Members from the institution


1. **SYED JEHAZEB**
External Member


2. **MR. WAJEEH ZAIDI**
External Member

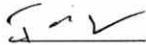
Members from outside the institution

International Center for Chemical and Biological Sciences
University of Karachi
Construction of Overhead Water tank near Existing Tank Behind H.E.J Main Building at ICCBS,
University of Karachi
Tender# CED/47/101017

S.no	Name of Company	Earnings Money		Bid Amount	Representative Signature
		Pay Order #	Pay Order Amount		
1	CEMCON Associates	13256602	335,000/=	16719688/=	
2	M. Tamizuddin Enterprises (Pvt.) LTD.	3209667	274875/=	13,743,714/=	
3	R.K. Construction & Co.		Absent		
4	Brisk Services Co.		Absent		
5	Taha Enterprises	03595664	230,000/=	11,694,272/=	
6	Syed & Siddiqui Associates	18537595	305,000/=	14,921,781/=	
7	Pace Group	13837180	220,000/=	10,986,363.75/=	
	/	/	/	/	



Prof Dr. M. Shaiq Ali
(Chairman)



Prof. Dr. Farzana Shaheen
(Internal Member)



Dr. Hafizur Rehman
(Internal Member)




Engr. Sadia Jabeen Asim
(Senior Civil Engineer, ICCBS)



Syed Jehannzeb
(External Member, IBA)



Syed Wajeeh Zaidi
(External Member, IBA)


 Representative
 Alif Noor Pvt. Ltd.


INTERNATIONAL CENTER FOR CHEMICAL AND BIOLOGICAL
SCIENCES
UNIVERSITY OF KARACHI
KARACHI-75270

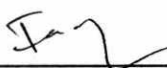
Tender Opening Minutes


Tender/ Retender Notice No. CED/47/101017 was opened on 10th October, 2017

at 3.00 P.M. Total 05 Nos. of bid(s) was/were submitted and all accepted.

PURCHASE COMMITTEE ICCBS INSTITUTIONS


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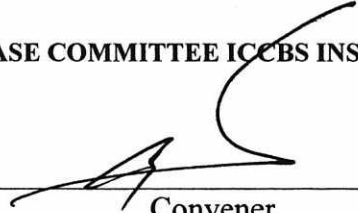
Members outside the Institution

BIDDER'S QUALIFICATION REPORT

Tender # CED/47/101017

S. No.	Bidder Name	Complete Company Profile	Financial Statement submitted	Affidavit for litigation / arbitration	Valid registration with Tax Authorities	Remarks
1.	M/s Pace Group	Y	Y	Y	Y	Accepted as the bidder submitted all details
2.	M/s Taha Enterprises	Y	Y	Y	Y	Accepted as the bidder submitted all details
3.	M/s Tameezuddin Enterprises	Y	Y	Y	Y	Accepted as the bidder submitted all details
4.	M/s Syed & Siddiqui Associates	Y	Y	Y	Y	Accepted as the bidder submitted all details
5	M/s SEMCON	Y	Y	Y	Y	Accepted as the bidder submitted all details

PURCHASE COMMITTEE ICCBS INSTITUTIONS



Convener
Purchase Committee



Dr. Farzana Shaheen
Internal Member



Dr. Hafiz-ur-Rehman
Internal Member



Mr. Syed Jehanzeb
External Member



Mr. Wajeeh Zaidi
External Member

Members from Institution

Members from outside the Institution

Technical Evaluation Report for Construction of OHWT under the Project of Development of Infrastructure of Latif Ibrahim National Science Information Center, University of Karachi.

S. No.	Name of Contractor	Earnest Money 2% Amount	Pay Order/Bank Guarantee	Quoted Tender Price (A)	Corrected Tender Price (B)	Difference (A-B)	Remarks
1	PACE GROUP	220,000	13,837,180	10,986,364	11,264,664	(278,300)	1st Lowest
2	TAHA ENTERPRISES	230,000	3,595,664	11,694,272	11,694,272	-	2nd Lowest
3	TAMEEEZUDDIN ENTERPRISES	274,875	3,209,667	13,743,714	13,743,714	-	3rd Lowest
4	SYED AND SIDDIQUI	305,000	18,537,595	14,921,781	15,006,081	(84,300)	4th Lowest
5	SEMCON	335,000	13,256,602	16,719,688	16,657,435	62,253	5th Lowest

Consultant:

Atif Nazar (Pvt) Ltd.



Purchase Committee, ICCBS

Prof. Dr. M. Shaiq Ali
(Chairman, ICCBS)

Dr. Sajjana Shabeen
(Internal member, ICCBS)

Dr. Hafeez-ur-Rehman
(Internal member, ICCBS)

Mr. Syed Jehanzab
(Internal member)

Mr. Wajeeh Zaidi
(External member)



**CONSTRUCTION OF OVER HEAD WATER TANK
AT HEJ RESEARCH INSTITUTE OF CHEMISTRY, UNIVERSITY OF KARACHI
COMPARATIVE STATEMENT**

S. No.	Description	Engineering Estimates		M/s. Pace Group			M/s. Taha Enterprises			M/s. Tameezuddin Enterprises			M/s. Syed and Siddiqui			M/s. Cemcon		
		Rs.	Amount	Rs.	Amount	%	Rs.	Amount	%	Rs.	Amount	%	Rs.	Amount	%	Rs.	Amount	%
1	TOTAL CIVIL & ELECTRICAL WORK (SCHEDULE)	Rs.	99,718.51	Rs.	99,718.87	0.00	Rs.	119,662.65	20.00	Rs.	99,718.88	0.00	Rs.	134,620.48	35.00	Rs.	199,437.74	100.00
2	TOTAL CIVIL & ELECTRICAL WORK (NON SCHEDULE)	Rs.	10,925,191.25	Rs.	9,723,044.75	(11.00)	Rs.	10,351,610.00	(5.25)	Rs.	12,531,545.50	14.70	Rs.	13,326,110.20	21.98	Rs.	13,177,327.60	20.61
3	TOTAL PLUMBING WORK (NON SCHEDULE)	Rs.	2,453,300.00	Rs.	1,441,900.00	(41.23)	Rs.	1,223,000.00	(50.15)	Rs.	1,112,450.00	(54.65)	Rs.	1,545,350.00	(37.01)	Rs.	3,280,670.00	33.72
	TOTAL (Part A+B+C)	Rs.	13,478,210	Rs.	11,264,664	(16.42)	Rs.	11,694,273	(13.24)	Rs.	13,743,714	1.97	Rs.	15,006,081	11.34	Rs.	16,657,435	23.59
	TOTAL COST IN MILLIONS	Rs.	13.48	Rs.	11.26		Rs.	11.69		Rs.	13.74		Rs.	15.01		Rs.	16.66	
	REMARKS	%				Below			Below			Above			Above		Above	



Purchase Committee, ICCBS

Prof. Dr. M. Shaiq Ali

In
Dr. Farzana Shaheen

Dr. Hafeez-ur-Rehman

Mr. Syed Jehanzab

Mr. Wajeeh Zaidi



**CONSTRUCTION OF OVER HEAD WATER TANK
AT KARACHI UNIVERSITY
COMPARATIVE STATEMENT**

S. No.	Description	Engineering Estimates				Pace Group				Taha Enterprises				Tameezuddin Enterprises				Syed and Siddiqui				Semcon			
		Quantity	Rate	Unit	Amount	Rate	% (+/-)	Rate after %	Amount	Rate	% (+/-)	Rate after %	Amount	Rate	% (+/-)	Rate after %	Amount	Rate	% (+/-)	Rate after %	Amount	Rate	% (+/-)	Rate after %	Amount
CIVIL AND ELECTRICAL WORKS																									
SCHEDULE ITEMS (A)																									
1	PROVIDING AND FILLING																								
1.1	Approved quality earth in depressions with a radius of 5 miles (8km) breaking clouds, leveling, dressing, wattering and consolidating in 6 inches (152mm) layers etc. complete including all lifts.	500.00	2,314.14	%Cft	11,570.70	2,314.14	0%	2,314.14	11,570.70	2,314.14	20%	2,776.97	13,884.84	2,314.14	0%	2,314.14	11,570.70	2,314.14	35%	3,124.09	15,620.45	2,314.14	100%	4,628.28	23,141.40
2	DAMP PROOF COURSE																								
2.1	P/c 2" inqes (51mm) thick damp proof course owht cement concrete 1:2:4 cast SITU using graded screened bajri of 3/4 inch 19mm and down guage mixed with any approved water proofing agent including compacting curing form work and its removal etc. complete but excluding the cost of water proofing agent.	110.00	2,659.79	%Sft	2,925.77	2,659.79	0%	2,659.79	2,925.77	2,659.79	20%	3,191.75	3,510.92	2,659.79	0%	2,659.79	2,925.77	2,659.79	35%	3,590.72	3,949.79	2,659.79	100%	5,319.58	5,851.54
3	MASONRY WORK																								
3.1	Providing and laying 1:3:6 cement concrete block masonary of a minimum strength of 650 psi using approved quality fine and coarse aggregate set in 1:6 cement mortar in walls or columns superstructure and using dowels anchor at every 3 course for connection with structural members as per drawings and specifications including raking out joints and curing etc complete.																								
(a)	6" thick	350.00	15,752.92	%Sft	55,135.22	15,752.92	0%	15,752.92	55,135.22	15,752.92	20%	18,903.50	66,162.26	15,752.92	0%	15,752.92	55,135.22	15,752.92	35%	21,266.44	74,432.55	15,752.92	100%	31,505.84	110,270.44
4	FLOORING																								
4.1	Providing and laying 6" thick stone soiling of approved quality 1 1/2" to 2" size of stone ballast in floor and wherever required, consolidating and compacting etc complete	105.00	3,251.34	%Sft	3,413.91	3,251.34	0%	3,251.34	3,413.91	3,251.34	20%	3,901.61	4,096.69	3,251.34	0%	3,251.34	3,413.91	3,251.34	35%	4,389.31	4,608.77	3,251.34	100%	6,502.68	6,827.81
4.2	Providing and laying 4" thick CC 1:4:8 bed floor over stone soiling using approved quality fine and coarse aggregate including compacting	35.00	10,315.56	%Cft	3,610.45	10,315.56	0%	10,315.56	3,610.45	10,315.56	20%	12,378.67	4,332.54	10,315.56	0%	10,315.56	3,610.45	10,315.56	35%	13,926.01	4,874.10	10,315.56	100%	20,631.12	7,220.89
4.3	Providing and laying 1" thick 1:2:4 cement concrete floor in panels or patterns of required size including formwork, consolidation, finishing, curing etc complete as per drawing and specification and as directed by the engineer incharge.	690.00	1,657.93	%Sft	11,439.72	1,657.93	0%	1,657.93	11,439.72	1,657.93	20%	1,989.52	13,727.66	1,657.93	0%	1,657.93	11,439.72	1,657.93	35%	2,238.21	15,443.62	1,657.93	100%	3,315.86	22,879.43
4.4	Providing and laying floor 2" thick 1:2:4 cement concrete using approved quality crushed stone 3/4" and down guage and sand, laid in panels not exceeding 9sft with and including 5mm thick glass dividing strip including consolidating, smooth finishing, curing etc. complete as per drawing and specification and as directed by the Engineer incharge.	105.00	3,053.25	%Sft	3,205.91	3,053.25	0%	3,053.25	3,205.91	3,053.25	20%	3,663.90	3,847.10	3,053.25	0%	3,053.25	3,205.91	3,053.25	35%	4,121.89	4,327.98	3,053.25	100%	6,106.50	6,411.83
5	PLASTERING AND SURFACE RENDERING																								
5.1	Providing and applying 1/2" thick cement plaster																								
(a)	Internal 1/2" thick ratio 1:4	440.00	1,913.00	%Sft	8,417.20	1,913.00	0%	1,913.00	8,417.20	1,913.00	20%	2,295.60	10,100.64	1,913.00	0%	1,913.00	8,417.20	1,913.00	35%	2,582.55	11,363.22	1,913.00	100%	3,826.00	16,834.40
TOTAL AMOUNT		99,718.87				99,718.87				119,662.65				99,718.88				134,620.48				199,437.74			

Purchase Committee, Institution,

Prof. Dr. M. Shaiq Ali
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Mr. Wajeeh Zaidi
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**CONSTRUCTION OF OVER HEAD WATER TANK
AT HEJ RESEARCH INSTITUTE OF CHEMISTRY, UNIVERSITY OF KARACHI
COMPARATIVE STATEMENT**

S. No.	Description	Engineering Estimates				Pace Group		Taha Enterprises		Tameezuddin Enterprises		Syed and Siddiqui		Semcon	
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
CIVIL AND ELECTRICAL WORKS															
NON SCHEDULE ITEMS (B)															
TERMITE TREATMENT															
Termite proofing treatment with Biflex FMC or equivalent approved by Consultant (as per manufacturer specifications) comprising the following: To all the earth dressed horizontal and vertical surfaces before laying of concrete etc. for columns and wall foundations as well as trenches for drain lines etc.															
1	To all foundations and plinth beams surfaces upto plinth level before earth filling To completion of stone soling in plinth area complete and also in plinth protection Note: Payment as per Plinth Area	150.00	20.00	Sft	3,000.00	15.00	2,250.00	20.00	3,000.00	75.00	11,250.00	10.00	1,500.00	405.00	60,750.00
2 CONCRETE PLAIN AND REINFORCED															
Providing and laying RCC of Specified strength using approved quality crushed stone and fine aggregate in raft slab, beam, plain or Arched type,lintels, roof slab, chajjas, purlis, staircase (waist slab, steps, landing) and any other structural member including all kind of forms, moulds, lifting, shuttering, levelling, compacting, rodding, vibrating and curing etc complete.															
a)	Plinth beams (4000 psi)	328.13	550.00	Cft	180,468.75	475.00	155,861.75	500.00	164,065.00	350.00	114,845.50	600.00	196,878.00	540.00	177,190.20
b)	Column in plinth/super structure (4000 psi) (fair finished)	1,837.50	575.00	Cft	1,056,562.50	460.00	845,250.00	500.00	918,750.00	1,050.00	1,929,375.00	752.00	1,381,800.00	600.00	1,102,500.00
c)	Walls of tank (4000 psi) (fair finished)	778.60	575.00	Cft	447,695.00	470.00	365,942.00	580.00	451,588.00	800.00	622,880.00	780.00	607,308.00	600.00	467,160.00
d)	Beams and braces (4000 psi) (fair finished)	1,805.10	550.00	Cft	992,805.00	470.00	848,397.00	550.00	992,805.00	750.00	1,353,825.00	752.00	1,357,435.20	700.00	1,263,570.00
e)	Tank bottom slab 8" thick (4000 psi) (fair finished)	666.60	575.00	Cft	383,295.00	480.00	319,968.00	580.00	386,628.00	800.00	533,280.00	780.00	519,948.00	700.00	466,620.00
f)	Tank top slab 8" thick (4000 psi) (fair finished)	233.20	575.00	Cft	134,090.00	480.00	111,936.00	520.00	121,264.00	750.00	174,900.00	780.00	181,896.00	1,147.00	267,480.40
g)	Slab 8" thick (4000 psi) (fair finished) including pump room.	123.20	525.00	Cft	64,680.00	450.00	55,440.00	550.00	67,760.00	750.00	92,400.00	600.00	73,920.00	810.00	99,792.00
i)	RCC Short Wall 3" thick (staircase) (fair finished)	1,155.00	575.00	Cft	664,125.00	480.00	554,400.00	500.00	577,500.00	750.00	866,250.00	650.00	750,750.00	700.00	808,500.00
j)	Cantilever steps and landing (fair finished)	357.00	575.00	Cft	205,275.00	460.00	164,220.00	500.00	178,500.00	750.00	267,750.00	650.00	232,050.00	1,215.00	433,755.00
3 STEEL REINFORCEMENT															
Providing and applying reinforcement of ribbed cold deform steel bars of minimum yield stress of 60000 PSI of approved manufacturer including straightening, cutting, bending removing of rust from bars including wastage and overlap as are not shown on drawings placing in position on precast CC spacers tying with binding wire complete with cost of steel chairs and binding wire etc [NOTE: No extra allowances will be allowed for wastage, oversize and steel chairs] for all height															
3.1		43.00	125,000.00	Tons	5,375,000.00	115,000.00	4,945,000.00	130,000.00	5,590,000.00	130,000.00	5,590,000.00	150,000.00	6,450,000.00	131,500.00	5,654,500.00
4 DECORATION, PAINTING & COLOURING:															
4.1	Providing & applying 3 coats of washable oil bound distemper of approved make and shade including preparing the base by rubbing with carborandum stone and sand paper filling depressions with puti etc including applying primer coat as per manufacturer's specification etc complete and as directed by the Engineer incharge.	440.00	40.00	Sft	17,600.00	25.00	11,000.00	25.00	11,000.00	28.00	12,320.00	20.00	8,800.00	67.00	29,480.00
4.2	Providing and applying 3 coats of approved type Weather shield on exterior surfaces as per manufacturer specifications etc complete for all floors including applying primer coat as per manufacturers specification and as directed by the Engineers incharge.	15,850.00	60.00	Sft	951,000.00	63.00	998,550.00	22.00	348,700.00	21.00	332,850.00	60.00	951,000.00	54.00	855,900.00
5	Providing and fixing steel windows with 4' x 1 1/4" decodr wood frame around the steel frame of standard 2-section including glazing with 5mm glass where required with 1/2" x 3/4" decodr wood biding, brass fitting, paintings etc complete all as per drawing and specification and as directed by the Engineer incharge.														
a)	Openable Fully Glazed	15.00	650.00	Sft	9,750.00	500.00	7,500.00	700.00	10,500.00	750.00	11,250.00	650.00	9,750.00	2,700.00	40,500.00
6	Providing and fixing M.S ladder of 1/4" dia M.S rings 21" wide welded or bolted to M.S angle frame as per drawing complete.	35.00	250.00	Rft	8,750.00	350.00	12,250.00	400.00	14,000.00	500.00	17,500.00	1,500.00	52,500.00	6,750.00	236,250.00
7	Providing and fixing steel ladder ith 1" x 1/8" MS flat grilled tread of 8" deep and 2" wide at 90° c/c welded to MS angle stringers of 2"x2"x1/4" size. 1 1/2" dia GI pipe railing at 1' dia GI pipe ballastrate with and inclusive of cost of welding, fixing the ladder increment concrete 1:2:4 at first end in RCC landing at every flight by means of bolts and nuts G.I pipe specials end fittings, painting with two coat of enamel paint over a coat of Red oxide complete in all respects as per drawing and specification	77.00	2,500.00	Rft	192,500.00	2,000.00	154,000.00	2,000.00	154,000.00	2,960.00	227,920.00	1,500.00	115,500.00	6,750.00	519,750.00

Purchase Committee Institution,

Prof. Dr. M. Shaiq Ali

Dr. Farzana Shaheen

Dr. Hafeez-ur-Rehman

Mr. Syed Jehanzeb

Mr. Wajeeh Zaidi





**CONSTRUCTION OF OVER HEAD WATER TANK
AT HEJ RESEARCH INSTITUTE OF CHEMISTRY, UNIVERSITY OF KARACHI
COMPARATIVE STATEMENT**

S. No.	Description	Engineering Estimates				Pace Group		Taha Enterprises		Tameezuddin Enterprises		Syed and Siddiqui		Semcon	
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
CIVIL AND ELECTRICAL WORKS NON SCHEDULE ITEMS (B)															
8 CARPENTRY & JOINERY															
8.1	Providing making and fixing in position wooden door single or double leaf with first quality deodar wood frames and 1 1/2" thick solid core shutters with 3mm thick commercial ply on both sides of deodar wood shutters i/c framing and filling and machine pressed from approved manufacturers with deodar wood architrave on either side of door frames of required size and moulded to the required detail as shown on the drawings, and 3 Nos 5" long brass hinges to each shutter and 8 Nos 9" long holdfasts made of flat iron 1"x1/8" thick with forked ends tarred and sanded with 2 1/2" long screws to each door and with best local made hardware 2 Nos 6" long lower bolts and a heavy duty approved quality standard door lock (foreign make) approved door stopper and C.P handles including painting the doors with 3 coats of approved enamel paint over a primer coat with termite control and all wood preservative applications all complete as per drawing specifications and as directed by the Engineer Incharge	21.00	1,800.00	Sft	37,800.00	1,000.00	21,000.00	900.00	18,900.00	1,550.00	32,550.00	950.00	19,950.00	2,700.00	56,700.00
9	Providing and fixing 3/4" dia G.I pipe railing complete as drawing														
(a)	Along RCC Wall	155.00	300.00	Rft	46,500.00	300.00	46,500.00	1,000.00	155,000.00	250.00	38,750.00	480.00	74,400.00	1,350.00	209,250.00
(b)	Around shaft	18.00	300.00	Rft	5,400.00	300.00	5,400.00	1,000.00	18,000.00	260.00	4,680.00	500.00	9,000.00	1,350.00	24,300.00
10	Providing and embedding monkey ladder of 3/4" dia M.S rings 15" wide and projecting 5" clear from the face of the column to be fixed while concreting the RCC column complete as per drawing (projecting)	19.00	300.00	Nos	5,700.00	350.00	6,650.00	3,000.00	57,000.00	1,000.00	19,000.00	1,500.00	28,500.00	5,400.00	102,600.00
11	Providing and fixing C.I Manhole cover and frame of 2'x2' inside dimension weight 1 cwt : 1 qrt., to RCC slab as per drawing complete with locking arrangement as required	1.00	15,000.00	Nos	15,000.00	8,000.00	8,000.00	5,000.00	5,000.00	5,000.00	5,000.00	6,500.00	6,500.00	4,050.00	4,050.00
12	Providing and fixing lightening indicator on top of the tank as per specification and drawing complete	1.00	5,000.00	Nos	5,000.00	8,000.00	8,000.00	10,000.00	10,000.00	12,500.00	12,500.00	25,000.00	25,000.00	13,500.00	13,500.00
13	Providing and fixing construction joints with corrugated hydro file PVC water stops etc: as per drawing and instruction	160.00	350.00	Rft	56,000.00	100.00	16,000.00	170.00	27,200.00	265.00	42,400.00	1,000.00	160,000.00	675.00	108,000.00
14	Providing and applying two coats of hot Bitumen grade 10-20 of Lbs/100 Sft each coat to C.C Surface in contact with earth etc: complete as per drawing, specification and as directed by the Engineer Incharge	1,645.00	16.00	Sft	26,320.00	14.00	23,030.00	25.00	41,125.00	16.00	26,320.00	25.00	41,125.00	54.00	88,830.00
15 PLASTERING AND SURFACE RENDERING															
15.1	Providing and applying 1/2" thick cement plaster external surfaces of wall columns, slab etc including providing and fixing metal lath at the junction of cast in situ concrete or structural members and block masonry as per drawing and specification or as directed by the Engineer incharge and making chamfered edges and rounding up corners and junctions as desired curing etc complete.														
(a)	External 1/2" thick ratio 1:4 including drip course	415.00	45.00	Sft	18,675.00	30.00	12,450.00	35.00	14,525.00	150.00	62,250.00	40.00	16,600.00	162.00	67,230.00
15.2	Providing and laying 1" thick 1:3 cement plaster in 2 layers each of 1/2" thick with pudlo @ 5lbs per bag of cement or any other approved water proofing compound including curing etc complete														
(a)	For Overhead Water Tank	370.00	60.00	Sft	22,200.00	65.00	24,050.00	40.00	14,800.00	350.00	129,500.00	150.00	55,500.00	216.00	79,920.00
TOTAL AMOUNT				10,925,191.25		9,723,044.75		10,351,610.00		12,531,545.50		13,326,110.20		13,177,327.60	

Purchase Committee Institution

Prof. Dr. M. Shaiq Ali
(Chairman, ICCBS)

Ms. Syed Jehanzai'b
(Internal Member)

Dr. Farzana Shaheen
(Member, ICCBS)

Ms. Wajeel Zaidi
(Internal Member)

Dr. Hafeez ur-Rehman
(Member, ICCBS)





**CONSTRUCTION OF OVER HEAD WATER TANK
AT HEJ RESEARCH INSTITUTE OF CHEMISTRY, UNIVERSITY OF KARACHI
COMPARATIVE STATEMENT**

S. No.	Description	Engineering Estimates				Pace Group		Taha Enterprises		Tameezuddin Enterprises		Syed and Siddiqui		Semcon	
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
PLUMBING WORKS															
NON SCHEDULE ITEMS (C)															
Excavation for pipe line in trenches and drains in all kinds of soil including trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade including all operation of dewatering and back filling the excavated material, including breaking clods, watering, consolidation by ramming in layers not exceeding 9 inches in depth to full compaction and disposal of surplus excavated stuff as directed all lead and lifts as per drawings, specification and as directed by the Engineer Incharge															
a	Ordinary soil	200	12.00	Cft	2,400.00	10.00	2,000.00	20.00	4,000.00	22.00	4,400.00	10.00	2,000.00	27.00	5,400.00
b	Hard Rock	500	25.00	Cft	12,500.00	25.00	12,500.00	30.00	15,000.00	55.00	27,500.00	25.00	12,500.00	108.00	54,000.00
2	Providing and laying 8" thick layer sand cushion in trenches under pipe line etc. complete as per drawings specification and as directed by the Engineer Incharge	120	70.00	Cft	8,400.00	70.00	8,400.00	100.00	12,000.00	80.00	9,600.00	30.00	3,600.00	81.00	9,720.00
3	Providing and fixing P.E Pipes including all necessary fittings (tees, sockets, elbows, crosses etc) required for the job clamping or anchoring the pipe to walls and/or laying under ground pipes including protection by bituminous hessian wherever required including making cuts and holes in walls and floors and making good the same in cement etc. and testing the pipe line to pressure head of 200 ft including cost of all labour, material and cartage etc; complete. (made of I.I.L or approved equivalent)	400	900.00	Rft	360,000.00	300.00	120,000.00	260.00	104,000.00	380.00	152,000.00	390.00	156,000.00	256.00	102,400.00
d	3 inch dia	1150	1,200.00	Rft	1,380,000.00	440.00	506,000.00	300.00	345,000.00	480.00	552,000.00	425.00	488,750.00	386.00	443,900.00
4	Providing and fixing Gun Metal full way gate valve of approved heavy type complete:	4	10,000.00	Each	40,000.00	10,000.00	40,000.00	9,000.00	36,000.00	2,575.00	10,300.00	15,000.00	60,000.00	50,000.00	200,000.00
d	3 inch dia	3	12,000.00	Each	36,000.00	12,000.00	36,000.00	15,000.00	45,000.00	3,650.00	10,950.00	16,500.00	49,500.00	60,000.00	180,000.00
5	Providing and making gate valve chamber (15" x 9") inside dimension 24" deep with 6" thick block masonry walls in 1:6 cement mortar, 6" thick C.C 1:4:8 in foundation 3/4" cement plaster ratio 1:5 to all inside walls surface and 1" thick 1:2:4 flooring complete with cast iron hinged cover and frame 15" x 9" (inside) clear opening (weight = 1 qr.) etc; fixed in cement concrete 1:2:4 including curing etc; complete	7	12,000.00	Each	84,000.00	6,000.00	42,000.00	6,000.00	42,000.00	5,100.00	35,700.00	4,000.00	28,000.00	33,750.00	236,250.00
6	Providing and fixing centrifugal pump ETA NORM M50-160 of KSB or approved equivalent of 3" dia suction and 4" dia delivery coupled with 10 HP motor Siemens make as required 2900 RPM with starter complete in all respect including all accessories like foot valves, suction and delivery pipe, foundation for pump and motor and other accessories required for the completion of the job together with the including flux valves, sluice valves, etc including cost of electrical works like starter, cabling work from the power supply and earthing connection etc. with one month performance guarantee after installation and commissioning at the required place	2	250,000.00	Each	500,000.00	330,000.00	660,000.00	300,000.00	600,000.00	150,000.00	300,000.00	365,000.00	730,000.00	1,000,000.00	2,000,000.00
7	Labour charges for making connection with the existing water supply line including all materials required for the proper completion of the job etc; complete and as directed by the engineer	1	30,000.00	Each	30,000.00	15,000.00	15,000.00	20,000.00	20,000.00	10,000.00	10,000.00	15,000.00	15,000.00	49,000.00	49,000.00
TOTAL AMOUNT				2,453,300.00	1,441,900.00	1,223,000.00	1,112,450.00	1,545,350.00	3,280,670.00						

Purchase Committee Institution

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