

Tender # CW/15/24-25



BILL OF QUANTITIES

ROAD WORK

		ROAD WORK				
S.No.	CSR-24 Govt. of Sindh	Description	Qty.	Unit	Rate (PKR.)	Amount (PKR.)
	(A)	SCHEDULE ITEMS	LATES OF S	Traffic !	in sheriff d	(PR Truly STRANG
1	Vol-III, Part-IV, Highway works, Items #1, Page-211	Clearing and Grubbing Clearing and grubbing the site by cutting, uprooting and removing all rubbish and shrubs including disposal to (outside limits) designated places		Sq.m	31.00	380,432.0
2	Vol-III, Part-IV, Highway works, Items #39(1), Page- 220	Jungle Clearance Jungle clearance and removing within 100 ft.				
	(a)	Thin Jungle.	12,272	%.Sq.m	4,258.86	522,647.3
3	Vol-III, Part-IV, Highway works, Items #39(S), Page-	Relocate Trees Up-rooting stumps and removing within 100 ft.:				
	221 (a)	2.0 FT: TO 6.0 FT: GIRTH.	250	Each	3,168.59	792,147.5
	Vol-III, Part-IV, Highway works,	Dismantling Dismantling of existing asphalt concrete road including base, sub- base and disposal of dismantled materials to designated placed	(46)			
	items #39(11), Page- 221	Excavation	200	Cu.m	974.59	194,918.0
5	Vol-III, Part-IV, Highway works Items #10, Page-212	Excavation in existing berm for widening the road, including Preparation of sub-grade after watering, rolling with Power Roller, dressing the excavated stuff etc.: complete	1,265	Sq.m	176.41	223,158.6
6	Vol-III, Part-IV, Highway works, Items #39(6), Page- 221	Scarifying the existing road surface	1,050	Sq.m	68.14	71,547.0
7	Vol-III, Part-IV, Highway works Items #6(II)(a), Page 211 (II)	all types of soil except rock. If earth work is done by other then departmental agency.				, , , ž
a	(a) Vol-III, Part-IV, Highway works	For 95-100% modified AASHO density Sub-Grade Preparing sub grade including earth excavation or filling to an average depth of 9° dressing to camber and consolidation with		Cu.m	583.67	335,610.2
	Items #9, Page-212	power Roller	1,050	Sq.m	176.41	185,230.5
9	Vol-III, Part-IV, Highway works Items #11(d), Page- 213	Sub-Base Course Preparing Sub-Base by supplying and spreading well graded pit or bed run gravel having a liquit limit not greater than 25 and plasticity index not greater than 6 in proper camber and grade including watering rolling and compacting in layers, thickness of each compacted layer not exceeding 6" compacted upto 98-100% density as per modified AASHO density (Rate I/c all cost of materials T&P and carriage upto 3 chanins)				1
			1,160	Cum	3,429.99	3,978,788.4
		4.	L J	Gill 1		.4.
			78.0	36	- Je - 1	165

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BILL OF QUANTITIES

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S.No.	CSH-24 Govt. of Sindh	Description	Cty.	Unit	Rate (PKR.)	Amount (PKR.)
10	Vol-III, Part-IV, Highway works Items # 13(b), Page- 214	Base Course Providing and laying Aggregate base course in proper grade and camber having CBR 80% as per specification I/c spreading and compacting by approved mechanical means (Motor grader, Vibratory roller and Smooth wheel roller etc.) watering to maintain the moisture content the compaction of each layer shall 100 percent to the max dry density (Rate I/c all cost of materials T&P and carriage upto 3 chains	3,162	Cu.m	4,893.72	15,473,942.6
		SURFACE TREATMENT	- Torus		7031	
11	Vol-III, Part-IV, Highway works Items # 31, Page- 218	Prime Coat or Tack Coat Applying priming coat or tack coat with approved binder at the required rate including cleaning the road surface thoroughly, heating to the required temperature and spraying the binder with pressure as directed etc., complete	42,159	Sq.m	37.67	1,588,129.5
		Asphalt Wearing Course			100	
12	Vol-III, Part-IV, Highway works Items # 24.(A), Page- 217	1.X" Thick Asphalt Concrete Wearing Course Plant Mix Laying mechanically to proper line and grade plant mixed Asphalt Concrete specified formula according to Job mixed formula approved by the Engineer incharge rolling and finishing to design Proper grade line level and comberetc (Machinery with POLs Cost of material carriage).				
		Kerb Stone	21,080	Sq.m	1,813.81	38,235,114.8
13	Vol-III, Part-IV, Ch.#8 Items # 39.(14), Page-221	Providing & fixing Precast Edge Block 3750 PSI Industrial Made Size 6 Inches thick x 12 Inches long x 18 Inches high including the cost of Cartage, excavation, form Work for haunching, 1450 PSI lean concrete, 2250 PSI concrete for haunching, 1:4 cement sand mortar		,		
14	Vol-III, Part-I, Ch.#8 Items # 67, Page-50	Paving Blocks on Footpath Providing & fixing cement paving blocks flooring having size of 197 x 97 x 60 (mm) of city /quddra / cobble shape with natural colours, having strength b/w 5000 PSI to 8500 PSI I/c filling the joints with hill sand over a bed of 2" thick hill sand or stone dust and laying and compacting in specified manner/ pattern and design etc.		Rm	2,225,09	12,849,894.7
15	Vol-III, Part-IV, Highway works Items # 39.(13),	complete Tharmo Plastic Paint Pavement marking in Reflective Tharmo Plastic Paint for Lines of 6"	2,599	S.qm	2,124.88	5,522,575.6
	Page-221	Width.	1,500	Rm	282.51	423,765.0
16	Vol-III, Part-IV, Highway works Items # 39.(12), Page-221	Cat Eyes / Road Studs Supplying and Fixing of reflectorize Road Studs Double Face, Flush surface type	20	Each	1,520.42	30,408.4
17	Vol-III, Part-III, Ch. #16, Items #1.(b), Page 209	Manhole Cover Manufacturing & Supplying of R.C.C manhole cover cast in 1:2:4 cement concrete ratio 3" inch deép at center reinforced with 1/2' dia tor steel bars with 4" c/c welded to a 3/16' thick 2 inch wide M.5 Plate and two hooks of 3/8" inch dia tor bars including compacting, curing and transportation				
	(L)	ZA* Inch dia	10	Each	3,730.24	1035 17.102
tana)				10	1	



Stamp & Signature





IIIIA Institute of Business Administration Karachi

Tender # CW/15/24-25

BILL OF QUANTITIES

ROAD WORK

	0	ROAD WORK				
s.No.	Govt. of Sindh	Description (1997)	coy.	Unit	Rates (PKR.)	Amount (PKR.)
	Vol-III, Part-IV,					
18	Highway works Items # 18, Page-	Traffic Signs				
	(a)	Providing & Fixing traffic sign 3' dia G.i.Pipe post and sign of equilaterial triangular shape each side 3' long I/C Painting, Marking as directed each.		Each	55,873.81	167,621.43
	(ь)	Providing & Fixing 3' dia G.I single post sign of circular shape 3' Dia I/c Painting, Marking as directed each	3	Each	55,873.81	167,621.43
	(c)	(I) Providing & Fixing Rectangular shape 3'x2' comprizing 2 Nos: 3" DIa G.I pipe Post I/c Painting, writing as directed each.	5	Each	52,117.78	260,588.90
19	Vol-III, Part-I, Ch.#4 Items # 9, Page-26	Precast cement concrete solid or face block at edge of footpath (1: 2:4) including cost of templates	57	Cu.m	17,076.22	978,404.07
20	Vol-III, Part-I, Ch.#4 Items # 9,	Sieeves Marker				
	Page-26	Precast cement concrete solid or face block (1 : 2 : 4) including cost of templates	0.4531	Cu.m	17,076.22	7,736.71
21	Vol-III, Part-I, Ch.#4 Items # 5(f), Page-25	Speed Breaker				
		Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing at stone aggregate without shuttering Ratio. 1:2:4		Cu.m	15,724.36	373,955.14
22		Sleeves				*
	Vol-III, Part-II, Ch.# II, Items #4(d), Page-111	Providing, Laying uPVC pipes of Class 'B' fixingintrenchi/cutting, fitting and jointing with solvent cement I/c testingwithwater to a head of 61 meter or 200 ft.				1.00
	- Land 1	d) 150 mm (6" dia) b) 100 mm (4" dia)	174.0 174.0	R.m R.m	2,508.07 1,332.41	436,404.33 231,840.16
23	Vol-III, Part-I,	Paint on Kerb Stone				
	Ch.#11ltems #S(e), Page-63	Preparing surface and painting fillets, framings, skirtings, pipes, gutters and similar, linear work not exceeding 6° inches in with Priming coat. Each subsequent coat	5,775 5,775	Rm Rm	25.99 16.44	150,066.38 94,928.35
		Each subsequent coat	-,		20-74	34,328.33

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		i e				<u> </u>
		* -				
	For Man	TOTAL OF SCHEDULE ITEMS	y Services	STALLS.	Rs.	83,714,779.62
- 10	200 to 10000		28 %	or the re	Rs.	22.664 120
-	The state of the s	TOTAL OF SCHEDULE ITEMS WITH PREMIUM / REBATE	E Kraive	TO SECURE	Rs.	60,274,641

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Tender # CW/15/24-25

BILL OF QUANTITIES

ROAD WORK

.No.	CSR-24 Gavt. of Sindle	Description	Qty	Unit	Rate (PKR.)	Amount (PYR.)
SXON	(3)	NON-SCHEDULE ITEMS			12.442	1000年9月
		Plantation				
- 1		Plantation of Tree having height minimum 1.3m (4.5 feet) of				
- 1		following type including excavation, providing sweat earth with				
24	N ₂ S	fertilizers. Excavation, Plantation and Back fill complete in all				
	70.4	respect. The replacement / replantation of the dead plant is also			1	
- 1		included in the scope with in the currency of contract.	7			
- 1	a.	Neem	255	Each	700	178,500
	b.	Gulmohar	15	Each	100000000000000000000000000000000000000	10,500
	с.	Amaltas	15	Each	700	10,500
	d.	Aerocaria	15	Each	700	10,500
- 1	e.	Jacaranda	15	Each	700	10,500
- 1	f.	Terminalia	15	Each	700	10, 500
- 1	8-	Acacia Nodosa/Javinica	15	Each	700	10,500
- 1	h.	Bakain	15	Each	700	10.500
1	j. k.	Arjun Alstonia	15	Each	700	14,000 14,000
- 1	k. L	Aistoria	5 20	Each	700	3500
	m.	Ulta Ashok	20	Each Each	700	14,000
	n.	Moringa	5	Each	700	14,000
- 1				() () () () () () () () () ()	700	3500
1		Binder				
- 1		2" (50mm) Asphaltic Base Course Plant mix			1	
1		Providing and laying Plant mixed Asphalt Concrete Binder Course			1	
- 1		compacted thickness 2 inches (50mm thick) as per approved job				
		mix formula using crush aggregate from approved sources. Using		1	1	
- 1		asphalt of grade 80/100 during laying temperature not less than		1	1	1.8
	N.5	140C compacted by steel wheel & PTR roller. The procedure of		l	1	
25		laying binder course material & methodology shall fully comply			1	
1		with AASHTO and as directed by Engineer Incharge. Minimum		l	1	
- 1		bitumen content should be 3.5% binder course shall be spreading		ı	1	1
- 1		using paver machine. Rolling & Finishing to design proper grade		1	1	1
- 1	4	line level and camber etc.:				2 ((0)
- 1		(Machinery with POLs cost of material carriage)	21,080	Sq.m	1198	20,658,
26		Bollard	4		1	
- 1		Providing and Fixing Mild Steel Bolard of 6" dia pipe (filled with		1		1
- 1	N.S	PVC) with C.C foundation including excavation and restoration of		Each	17500	122,50
	,,,,	road as directed by the engineer complete in all respect with			17300	(24) 5-
		reflected 3M or equivalent sheets (Black and Yellow)			1	
		Arm Barrier				
27		Providing and installation of arm barrier of mild steel pipe with		1	1	I
- 1		weight bucket dia 150 mm(6") for carriage way of 24' approx.		1	10000	NAME OF BRIDE
-	N.S	including steel stand and foundation with all required civil works		Each	105000	2/0,000
- 1	4 9 -	(excavation , backfill, concreting) as directed by the engineer		1		
		complete in all respect				
		2				(ost
						Bush
			1	1		1 11 11 11 11 11 11 11 11 11 11 11 11 1

TOTALOF(A+B)

Stamp & Signature





REHABILITATION OF EXISTING METALLED ROAD FROM MASKAN GATE TO PHARMACY INTERSECTION

IBA Institute of
Business Administration
Karachi

Tender # CW/15/24-25

AT KARACHI UNIVERSITY BILL OF QUANTITIES

BOUNDARY WALL & RELOCATE OF GATE

Cost of Signit (National Items 1) Vehill, Part-I, Ch.22 terms 20, Page-19 Vehill, Part-I, Ch.22 terms 20, Page-20 2 Earthwork Lot Items 81a, Page-10 Lot Items 81b, Page-10 Lot Items 81a, Page-10 Lot Items 81b, Page-17 Lot Items 81b, Page-18 Removed common concrete cleaning and straightening the same 47,15 Lot Items 81b, Page-18 Removed common concrete concrete work including all labour and material Removed common concrete common common concrete	S-S-W	CO 20 CO	BOUNDARY WALL & RELOCATE OF G.	ATE 海姆斯 力制	24 Es. 14	Rate	Amount
1 VoN-III, Part-I, Ch.92 (terms 9.14, Page-19) Novill, Part-I, Ch.92 (terms 9.14, Page-19) Novill, Part-I, Ch.92 (terms 9.14, Page-10) Earthwork Earth work excavation in irrigation channels, drains etc., dressed to destroy and strong prifies excavated material disposed off and dressed within 50 ft. (15 meter) load I mordinary soil I mordinary soi	No.			Chy.	W. Unit		
1. Vol-18, Part-1, Ch. 22 Items # 14, Page-19 10. Vol-18, Part-1, Ch. 22 Items # 12, Page-19 11. Vol-18, Part-1, Ch. 22 Items # 12, Page-19 12. Vol-18, Part-1, Ch. 22 Items # 12, Page-17 13. Vol-18, Part-1, Ch. 21 Items # 18, Page-17 14. Vol-18, Part-1, Ch. 21 Items # 19, Page-17 15. Ch. 25 Items # 10, Page-17 16. Items # 10, Page-17 16. Items # 10, Page-17 17. Vol-18, Part-1, Ch. 21 Items # 10, Page-17 18. Items # 10, Page-17 18. Page-17 19. Page-18 19. Page-19 19. Pag		(A)		10000	Charle	Harris State	A PROPERTY.
Ch.#2 Items # 14, Ch.#2 Items # 24, Ch.#3 Items # 24, Ch.#4 Items # 24, Ch.#3 Items # 24, Ch.#4 Items # 24,	1	1 F Y					
Page-13 No-Nill, Part-I, Ch.92 items # 20, Page-20 Eathwork Vol-III, Part-I, Ch.92 items # 20, Page-20 Eathwork Vol-III, Part-I, Ch.92 items # 13, Page-17 In nordinary soil In nordinary soil In nordinary soil In nordinary soil In hard soil or soft murum Plain Cement Concrete Plain Cement Concrete Reinforced cement concrete work including all labour and material except the cost of size freinforcement and its labour for bending including screening and washing of shingle. Reinforced cement concrete work including all labour and material except the cost of size freinforcement and its labour for bending including screening and washing of shingle. Reinforced cement concrete work including all labour and material except the cost of size freinforcement and its labour for bending including screening and washing of shingle. Reinforced cement concrete work including all labour and material except the cost of size freinforcement and its labour for bending including screening and washing of shingle. Reinforced cement concrete work including all labour and material except the cost of size freinforcement and its labour for bending including screening and washing of shingle. Reinforced cement concrete work including all labour and material except the cost of size freinforcement and its labour for bending including screening and washing of shingle. Reinforced cement concrete work including and unity of size freinforcement for compete in all respects Recomment in roof slab, beams, column, raffs, linets and other structural members laid in situ or press tail din position complete in all respects Recomment in roof slab, beams, column, raffs, linets and other structural members laid in situ or press tail din position complete in all respects Recomment in roof slab, beams, column, raffs, linets and other structural members laid in situ or press tail din position complete in all respects Reinforced complete in laid to position complete in all respects Reinforced complete in roof slab, beams, column, raffs, lin	э.						1
ChuRitems #20, Character from concrete reinforced separating reinforced concentration from concrete dealing and straightering the same 7,15 GLm 8,112.56 S8,031. Earthwork Vol-III, Part-I, Ch.#1 items #18, Page-17 b in ordinary soil 31.91. CLm 279.69 8,224. In ordinary soil 31.91. CLm 358.09 111,425 Ratio 1.4-8 Reinforced cement concrete issue structures Reinforced cement concrete work including all labour and material decept the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds, littles, centering, shottering and curing (including arrecining and washing of shingle.) R. R.C. work in roof slab, beams, column, rafts, intels and other structural members laid in situ or presus taid in position complete in all respects R. Ratio 1.2-4 90 Uss of cement, 2 Cit sand and 4 Cit shingle 1/8" to 3/4" gauge Foundation Flinth Geam Column (Short & Long) REINFORCEMENT Vol-III, Part-I, Ch.#3 items #2, Page-26 1. Grade 60 Vol-III, Part-I, Ch.#3 items #2, Page-27 Not-III, Part-I, Ch.#3 items #2, Page-27 Vol-III, Part-I, Ch.#3 items #2, Page-27 Not-III, Part-I, Ch.#3 items #2, Page-27 Vol-III, Part-I, Ch.#3 items #2, Page-27 Vol-III, Part-I, Ch.#3 items #2, Page-27 Not-III,		ANTON OF TRANSPORTED AND AND AND AND AND AND AND AND AND AN	Dismantling cement block masonry	9.47	Cu.m	1,790.47	16,951.
Comment from concrete cleaning and straightening the same PRE-20 Setthwork Vol-III, Part-I, Ch.B.I Items B.I.8, Page-17 b. in ordinary soil c. in hard soil or soft murum Blain Cement Concrete J. Rabo Li-8.8 RENFORCID CEMENT CUNCRETE (SUB-STRUCTURE) Reinforced cement concrete with cluding all labour and material slock of forms models, littles, certaining, shattering and curing (producting surreceining and washing of shingle.) R.C.C. work in roof slab, beams, column, rafts, lintes and other structural members laid in situ or precast laid in position complete in all respects L. Ratto 1: 2: 4-90 lass of cement, 2 Cit sand and 4 Cit shingle 1/8* to 3/4* gauge foundation Plinth Geam Column (Short & Long) RENFORCEMENT Vol-III, Part-I, Ch.B.I Items B.B. Page-26 Vol-III, Part-I, Ch.B.I Items B.B. Column (Short & Long) RENFORCEMENT Vol-III, Part-I, Ch.B.I Items B.B. Page-27 Vol-III, Part-I, Ch.B.I Items B.B. Ch. Work in roof slab, became, column, rafts, lintes and other recommendation Plinth Geam Column (Short & Long) RENFORCEMENT Vol-III, Part-I, Ch.B.I Items B.B. Page-26 Vol-III, Part-I, Ch.B.I Items B.B. Ch. Work in roof slab, became, column, rafts, lintes and other recommendation Plinth Geam Column (Short & Long) RENFORCEMENT Vol-III, Part-I, Ch.B.I Items B.B. Page-27 Vol-III, Part-I, Ch.B.I Items B.B. Ch. Work in roof slab, became, column, rafts, lintes and other recommendation Column (Short & Long) RENFORCEMENT Column (Short & Long) RENFORCEMENT Vol-III, Part-I, Ch.B.I Items B.B. Ch. Work in roof slab, became, laying in position, making joints and rout from bars. J. Grade-60 RUCK MASONIBY WORK TUTAL GE KORRIDULIENTIMS No. 2,288,168 Demonster / Relates on Schishole Items L. S. 4.90 Ch.M. S. 5,341,69 Colour Washing TUTAL GE KORRIDULIENTIMS No. 2,288,168 Colour Washin	b.		Dismantling cement concrete reinforced separating reinforced				ł
Vol-III, Part-I, Ch.81 Items 818, Page-17 b. In rordinary soil C in hard soil or soft murum Plain Cement Concrete Annual Plain Cement Concrete Fig. Ratto 1:4:8 REINFORCED CEMENT CONCRETE ISUB-STRUCTURE1 Reinforced cement concrete work including all labour and material and the page of forms models, infinitely and binding which will be paid separately. This rate also includes all labour and material expects in all respects I, Ratto 1:2:4:90 lbs of cement, 2 Cft sand and 4 Cft shingle 1/8" to 3/4" gauge Foundation Plinth Beam Column (Short & Long) REINFORCEMENT Fabrication of deformed steel reinforcement and to the respect of the page 25. Vol-III, Part-I, Ch.84 Items 8 8, Page-26 Vol-III, Part-I, Ch.84 Items 8 8, Page-27 Vol-III, Part-I, Ch.84 Items 8 8, Page-26 Vol-III, Part-I, Ch.84 Items 8 8, Page-27 Vol-III, Part-I, Ch.84 Items 8 8, Page-27 Vol-III, Part-I, Ch.84 Items 8 8, Page-27 Vol-III, Part-I, Ch.84 Items 8 8, Page-28 Vol-III, Part-I, Ch.84 Items 8 8, Page-29 Succession and and laying 1: 3: 6 cement concrete solid block masonny wall 6" and below in thickness set in 1: 6 cement mortar in ground form bars.) Li Grade-60 Vol-III, Part-I, Ch.84 Items 8 28, Page-27 Vol-III, Part-I, Ch.84 Items 8 28, Page-28 Vol-III, Part-I, Ch.84 Items 8 28, Page-29 Succession and laying 1: 3: 6 cement concrete solid block masonny wall 6" and below in thickness set in 1: 6 cement mortar in ground form bars.) Vol-III, Part-I, Ch.84 Items 8 28, Page-27 Vol-III, Part-I, Ch.87 Items 8 28, Page-28 Vol-III, Part-I, Ch.87 Items 8 28, Page-29 Succession in thickness set in 1: 6 cement concrete solid block masonny wall 6" and below in thickness set in 1: 6 cement mortar in ground form bars.) Vol-III, Part-I, Ch.87 Items 8 28, Page-24 Nol-III, Part-I, Ch.87 Items 8 28, Page-24 Nol-III, Part-I, Ch.87 Items 8 28, Page-25 Nol-III, Part-I, Ch.87 Items 8 28, Page-26 Nol-III, Part-I, Ch.87 Items 8 28, Page-27 Nol-III, Part-I, Ch.88 Items 8 28, Page-28 Nol-III Page 28, Page-29 Nol-III Page-28 Nol-III Page-28 Nol-II				355-1965-0	Cum	8,112.56	58,031
ch.#1 tems # 15. Page-17 b. in ordinary soil c. In hard soil or soft murum 31.91. CLIM 358.09 11,425 7 Piala Cement Concrete Plain Cement Concrete with Interest loss of the State of the	2		<u>Earthwork</u>				l
c In hard soil or soft murum c In hard soil or soft murum c In hard soil or soft murum 31.91 CLm 358.09 11,425 Ratio 124.8 REINFORCED CEMENT CONCRETE (SUB-STRUCTURE) Reinforced cement concrete work including all abour and material except the cost of steel reinforcement and its labour for bending all almost of forms moulds, lifting, centering, shuttering and curing (Including screening and washing of shingle.) R.C.C work in roof slab, beams, column, rafts, lintels and other structural members laid in situ or precest laid in position complete in all respects l. Ratio 1: 2: 4: 90 Lbs of cement, 2 Cft sand and 4 Cft shingle 1/8" to 3/4" gauge foundation Pinth Beam Column (Short & Long) REINFORCEMENT Vol-III, Part-I, CLAF Items # 8. Page-26 Vol-III, Part-I, CLAF Items # 24, Page-27 Vol-III, Part-I, CLAF Items # 314, Page-27 Vol-III, Part-I, CLAF Items # 315, Page-34 North Research and laying 1: 3: 6 cement concrete solid block maxonry vol-III, Part-I, CLAF Items # 316, Page-54 North Research and laying 1: 3: 6 cement concrete solid block maxonry vol-III, Part-I, CLAF Items # 318, Page-54 North Research and laying 1: 3: 6 cement concrete solid block maxonry vol-III, Part-I, CLAF Items # 318, Page-54 North Research and laying 1: 3: 6 cement concrete solid block maxonry vol-III, Part-I, CLAF Items # 318, Page-54 North Research and laying 1: 3: 6 cement concrete solid block maxonry vol-III, Part-I, CLAF Items # 318, Page-54 North Research and laying 1: 3: 6 cement concrete solid block maxonry vol-III, Part-I, CLAF Items # 318, Page-54 North Research and laying 1: 3: 6 cement concrete solid block maxonry vol-III, Part-I, CLAF Items # 318, Page-54 North Research and laying 1: 3: 6 cement concrete solid block maxonry vol-III, Part-I, CLAF Items # 318, Page-54 North Research and vol-III Research and the late of the late o		Ch.#1 Items # 18,	designed section grades and profiles excavated material disposed				
TOTALGS SCHOULE HIMS In hard soil or soft murum 31.91 CL/m 358.09 11,425 LL/m 4.70 CL/m 12,318.93 57,548 4.70 CL/m 10,40 CL/m 10,40 CL/m 12,5341.69 185,653 185			In ordinary soil	31.91	Cum	279.69	8,924.
### Palin Cement Concrete Palin Cement Concrete Palin Cement Concr		. ا	CONTRACTOR OF THE CONTRACTOR O	V Dominion	100000000	358.09	11,425.
4. Ratio 1:4:8 REINFORCED CEMENT CONCRETE (SUB-STRUCTURE) Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending all kinds of forms moulds, lifting, centering, shuttering and curing (including screening and washing of shingle.) 2. R.C.C. work in roof slab, beams, column, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects 1. Ratio 1: 2: 4: 90 Lbs of cement, 2 Cft sand and 4 Cft shingle 1/8" to 3/4" gauge foundation Plinth Beam Column (Short & Long) REINFORCEMENT Fabrication of deformed steel reinforcement for cement concrete unding cutting bending, laying in position, making joints and fastenings including cost of binding wire (also includes removal of rust from bars.) 2. Deformed bar 3. Deformed bar 4.70 CLIM 12,318.93 57,948 4.70 CLIM 12,318.93							
REINFORCED CEMENT CONCRETE ISUB-STRUCTURE] Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds, litting, centering, shuttering and curing (including screening and washing of shingle.) 2. R.C.C work in roof slab, beams, column, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects 1. Ratio 1: 2: 4:90 Lbs of cement, 2 Cft sand and 4 Cft shingle 1/8" to 3/4" gauge Foundation Plinth Beam Folum (Short & Long) REINFORCEMENT Column (Short & Long) REI	3				S	1721802	57 948
Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds, lifting, centering, shuttering and curing (including screening and washing of shingle.) 2. R.C.C work in roof slab, beams, column, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects 1. Ratio 1: 2: 4: 90 Lbs of cement, 2 Cft sand and 4 Cft shingle 1/8" to 3/4" gauge Foundation Plinth Beam Column (Short & Long) REINFORCEMENT Fabrication of deformed steel reinforcement for cement concrete including cutting-bending, laying in position, making joints and frust from bars.) 2. Deformed bar 1. Grade-60 8. Ock MASONRY WORK Providing and laying 1: 3: 6 cement concrete solid block masonry wall 6" and below in thickness set in 1: 6 cement mortar in ground floor Super Structure including raking out joints & curring etc., complete Colour Washing 10.40 CLm 25,341.69 263,510 10.40 CLm 25,341.69 186,653 7.37 CLm 25,341.69 186,653 7.37 CLm 25,341.69 186,653 186,653 186,653 REINFORCEMENT Fabrication of deformed steel reinforcement for cement concrete including cutting-bending, laying in position, making joints and forus from bars.) a. Deformed bar 1. Grade-60 8. Ock MASONRY WORK Providing and laying 1: 3: 6 cement concrete solid block masonry wall 6" and below in thickness set in 1: 6 cement mortar in ground floor Super Structure including raking out joints & curring etc., complete Colour Washing 19.50 CLm 18,180.87 15-84.69 19.50 CLm 18,180.87 17.580 RE 2,298,189 Prawhern / Hebate on Scheckule Items (DN 6-28 7/4) RE 2,298,189		,	Ratio 1:4:8	4.70	CLIII	12,310.33	37,340.
Vol-III, Part-I, Ch.#4 Items # 6, and binding which will be paid separately. This rate also includes all kinds of forms moulds, lifting, centering, shuttering and curing (including screening and washing of shingle.) 2. R.C.C work in roof slab, beams, column, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects. 1. Ratio 1: 2: 4 90 Lbs of cement, 2 Cft sand and 4 Cft shingle 1/8" to 3/4" gauge Foundation Plinth Beam Column (Short & Long) REINFORCEMENT Fabrication of deformed steel reinforcement for cement concrete including cutting-bending, laying in position, making joints and rust from bars.) 2. Deformed bar 1. Grade-60 8. Coffered bar Vol-III, Part-I, Ch.#4 Items # 24, Page-27 Vol-III, Part-I, Ch.#4 Items # 24, Page-27 To Vol-III, Part-I, Ch.#4 Items # 38.A, Page-54 Nol-III, Part-I, Ch.#9 Items # 38.A, Page-54 Nol-III, Part-I, Ch.#9 Items # 38.A, Page-54 New Surface TOTAL OF SCHIDURIEITIMS Re 2,298.169 Page-84 New Surface Re 2,298.169	4		REINFORCED CEMENT CONCRETE (SUB-STRUCTURE)				İ
Ch.#4 Items # 6, Page-25 Ch.#4 Items # 6, Page-25 and binding which will be paid separately. This rate also includes all kinds of forms moulds, lifting, centering, shuttering and curing (including screening and washing of shingle) a. R.C.C work in roof slab, beams, column, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects l. Ratio 1 : 2: 2 + 90 Lbs of cement, 2 Cft sand and 4 Cft shingle 1/8" to 3/4" gauge Foundation Plinth Beam Column (Short & Long) REINFORCEMENT Subtraction of deformed steel reinforcement for cement concrete conc							
Page-25 Record forms moulds, lifting, centering, shuttering and curing (including screening and washing of shingle.)							
[including screening and washing of shingle.] 2. R.C.C work in roof slab, beams, column, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects 1. Ratio 1: 2: 4: 90 Lbs of cement, 2 Cft sand and 4 Cft shingle 1/8" to 3/4" gauge Foundation Plinth Beam Column (Short & Long) RENFORCHENT Pabrication of deformed steel reinforcement for cement concrete including cutting. bending, laying in position, making joints and rust from bars.) 2. Deformed bar 1. Grade-60 Success Page-27 Vol-III, Part-I, Ch_84 Items 8 24, Page-27 Vol-III, Part-I, Ch_97 Items 8 14, Page-27 Vol-III, Part-I, Ch_97 Items 8 13.A, Page-54 New Surface Premium / Hebatas on Schedule Items Deformed surface 19.50 Cum 18,180.87 354,469 Premium / Hebatas on Schedule Items New 2,298,169 Residual Column (St.) Sq. m. 45.71 17.560		and the state of t					
structural members laid in situ or precast laid in position complete in all respects Ratio 1: 2: 490 Lbs of cement, 2 Cft sand and 4 Cft shingle 1/8" to 3/4" gauge Foundation Plinth Beam Foundation Plinth Beam Foundation Plinth Beam Foundation Foundation Plinth Beam Foundation Foundati			[1] [1] 사용 [1] [1] [1] [1] [1] [1] [1] [1] [1] [1]				
I. Ratio 1: 2: 4:90 Lbs of cement, 2 Cft sand and 4 Cft shingle 1/8" to 3/4" gauge Foundation Plinth Beam 7.37 CLm 25,341.69 186,653 Column (Short & Long) REINFORCEMENT Fabrication of deformed steel reinforcement for cement concrete including cutting, bending, laying in position, making joints and fastenings including cost of binding wire (also includes removal of rust from bars.) a. Deformed bar I. Grade-60 Vol-III, Part-I, Ch.#4 Items # 24, Page-27 Vol-III, Part-I, Ch.#4 Items # 24, Page-27 Vol-III, Part-I, Ch.#4 Items # 38.A, Page-54 New Surface Description TOTAL OF SCHEDULE HTMS Payendury / Hebate on Schedule Items (L.N.) (-2.8 %) No. Cum 45.73 No. Cum 45.73 17.500 No. Cum 45.73 17.500 No. Cum 45.73 No. Cum 45.74 No. Cum 45.74 No. Cum 45.75 N			structural members laid in situ or precast laid in position complete				
3/4" gauge Foundation Plinth Beam Column (Short & Long) REINFORCEMENT Fabrication of deformed steel reinforcement for cement concrete including cutting, bending, laying in position, making joints and fasterings including cutting, bending, laying in position, making joints and fasterings including cutting, bending, laying in position, making joints and fasterings including cutting, bending, laying in position, making joints and fasterings including cutting, bending, laying in position, making joints and fasterings including cutting, bending, laying in position, making joints and fasterings including cutting, bending wire (also includes removal of rust from bars.) Deformed bar Grade-60 BLOCK MASONNY WORK Providing and laying 1: 3: 6 cement concrete solid block masonry wall 6" and below in thickness set in 1: 6 cement mortar in ground floor Super Structure including raking out joints & curring etc., complete Colour Washing Vol-III, Part-I, Ch.#9 Items # 3H.A, Page-54 New Surface 19.50 CLIM 18,180.87 354,469 Providing and 17,560 REINFORCEMENT Fabrication of deformed steel reinforcement concrete includes removal of rust from bars.) 18,643.469 Colour Washing 19.50 CLIM 18,180.87 19.50 REINFORCEMENT Fabrication of deformed steel reinforcement concrete includes removal of rust from bars.) 19.50 CLIM 18,180.87 19.50 CLIM 18,180.87 19.50 REINFORCEMENT Fabrication of deformed steel reinforcement concrete including removal of rust from bars.) 19.50 CLIM 18,180.87 19.50 REINFORCEMENT Fabrication of deformed steel reinforcement concrete including removal of rust from bars.) 18,180.87 19.50 REINFORCEMENT Fabrication of deformed steel reinforcement concrete including removal of rust from bars.) 18,180.87 19.50 CLIM 18,180.87 19.50 REINFORCEMENT Fabrication of deformed steel reinforcement concrete including removal of rust from bars.) 19.50 CLIM 18,180.87 19.50 REINFORCEMENT Fabrication of deformed steel reinforcement concrete including removal of rust from bars.) 18,180.87			300000000000000000000000000000000000000				1
Plinth Beam Column (Short & Long) REINFORCEMENT Fabrication of deformed steel reinforcement for cement concrete including cutting, bending, laying in position, making joints and fasterings including cost of binding wire (also includes removal of rust from bars.) Deformed bar Grade-60 Vol-III, Part-I, Ch.#4 items # 24, Page-27 Vol-III, Part-I, Ch.#4 items # 38.A, Page-54 New Surface TOTAL GE SCHIDURE ITEMS Record Schedule Items As 2,298,169 Presidure / Record Schedule Items R		·					
Column (Short & Long) REINFORCEMENT Fabrication of deformed steel reinforcement for cement concrete including cutting, bending, laying in position, making joints and fasterings including cost of binding wire (also includes removal of rust from bars.) a. Deformed bar I. Grade-60 Vol-III, Part-I, Ch.#4 Items # 24, Page-27 Vol-III, Part-I, Ch.#4 Items # 24, Page-27 Vol-III, Part-I, Ch.#4 Items # 38.A, Page-27 Vol-III, Part-I, Ch.#9 Items # 38.A, Page-54 New Surface TUTAL GF SCHIDULE ITEMS Premium / Rebate on Schedule Items Demium / Rebate on Schedule Items TOTAL GF SCHIDULE ITEMS Rev. 2.298, 169			Foundation	10.40	Orm	25,341.69	263,510.
Selection of deformed steel reinforcement for cement concrete including cutting, bending, laying in position, making joints and fasternings including cost of binding wire (also includes removal of rust from bars.) a. Deformed bar Grade-60 Vol-III, Part-I, Ch.#4 Items # 24, Page-27 Vol-III, Part-I, Ch.#4 Items # 24, Page-27 Vol-III, Part-I, Ch.#4 Items # 34, Page-27 Vol-III, Part-I, Ch.#9 Items # 38.A, Page-54 New Surface TOTAL OF SCHEDILE ITEMS Residual in position, making joints and fasterning sincluding cost of binding wire (also includes removal of rust from bars.) 60		100	Plinth Beam	7.000000	10000000	ACCOUNT OF THE	10121111111111
Vol-III, Part-I, Ch.#4 Items # 8, Page-26 a. Deformed bar I. Grade-60 Vol-III, Part-I, Ch.#4 Items # 24, Page-27 Vol-III, Part-I, Ch.#4 Items # 24, Page-27 Vol-III, Part-I, Ch.#4 Items # 24, Page-27 Vol-III, Part-I, Ch.#4 Items # 38, A, Page-27 Vol-III, Part-I, Ch.#4 Items # 38, A, Page-27 Vol-III, Part-I, Ch.#5 Items # 38, A, Page-54 New Surface Vol-III, Part-I, Ch.#6 Items # 38, A, Page-54 New Surface Vol-III, Part-I, Ch.#6 Items # 38, A, Page-54 New Surface Vol-III, Part-I, Ch.#6 Items # 38, A, Page-54 New Surface Vol-III, Part-I, Ch.#6 Items # 38, A, Page-54 New Surface Vol-III, Part-I, Ch.#6 Items # 38, A, Page-54 New Surface Vol-III, Part-I, Ch.#6 Items # 38, A, Page-54 New Surface Vol-III, Part-I, Ch.#6 Items # 38, A, Page-54 New Surface Vol-III, Part-I, Ch.#6 Items # 38, A, Page-54 New Surface Vol-III, Part-I, Ch.#6 Items # 38, A, Page-54 New Surface Vol-III, Part-I, Ch.#6 Items # 38, A, Page-54 New Surface			And the second s	7.37	Cu.m	25,341.69	186,653.
Vol-III, Part-I, Ch.#4 Items # 8, Page-26 Including cutting, bending, laying in position, making joints and fasterings including cost of binding wire (also includes removal of rust from bars.)	5		REINFORCEMENT Fabrication of deformed steel reinforcement for cement concrete				
Page-26 Page-26 Instrumed bar I. Grade-60 Vol-III, Part-I, Ch.#4 Items # 24, Page-27 Vol-III, Part-I, Ch.#4 Page-27 Vol-III, Part-I, Ch.#4 Items # 34. Page-27 Vol-III, Part-I, Ch.#9 Items # 38. Page-54 New Surface TOTAL OF SCHIDULE HEMS Promium / Hebate on Schedule Items (A) (-2.8 %) Rev. 543.469		Contract Con	including cutting, bending, laying in position, making joints and				i
Deformed bar Grade-60 BLOCK MASONRY WORK Providing and laying 1: 3: 6 cement concrete solid block masonry wall 6* and below in thickness set in 1: 6 cement mortar in ground floor Super Structure including raking out joints & curring etc., complete Colour Washing Vol-III, Part-I, Ch.#9 items # 38.A, Page-54 New Surface Drambury / Hebata on Schedule items (X) (28 %) Rec. 543.48							1
Colour Washing Vol-III, Part-I, Ch.#4 Items # 24, Page-27 Page-54 Colour Washing		10.000	POWER SECTION STATES			1	
BLOCK MASONRY WORK Vol-III, Part-I, Ch.#4 Items # 24, Page-27 Vol-III, Part-I, Ch.#5 Items # 34, Page-27 Vol-III, Part-I, Ch.#9 Items # 38.A, Page-54 New Surface Dromlunt / Hebate on Schedule Items (X) (2.8 ^/_A) Res. 543.469				60.00	Out :	18 934 02	1 125 041
Vol-III, Part-I, Ch.#4 Items # 24, Page-27 Vol-III, Part-I, Ch.#9 Items # 3H.A, Page-54 New Surface Providing and laying 1 : 3 : 6 cement concrete solid block masonry wall 6" and below in thickness set in 1: 6 cement mortar in ground floor Super Structure including raking out joints & curring etc., complete 19.50 Cu.m. 18,180.87 354,469 TOTAL OF SCHEDULE ITEMS Promium / Hebate on Schedule Items (N) (-28 %) Rec. 543.48		, ·	Grade-ou	53,00		44,000	4,130,041
Vol-III, Part-I, Ch.#4 Items # 24, Page-27 wall 6" and below in thickness set in 1: 6 cement mortar in ground floor Super Structure including raking out joints & curring etc., complete Colour Washing Vol-III, Part-I, Ch.#9 Items # 3H.A, Page-54 New Surface TOTAL QF SCHEDULE ITEMS President / 19.50 Cum 18,180.87 384.00 Sq.m 48.73 17.500 TOTAL QF SCHEDULE ITEMS President / 19.50 Res 54.3.48	6		BLOCK MASONRY WORK				
Ch.#4 Items # 24, Page-27 Complete 19.50 Cum 18.180.87 354.469 7 Vol-III, Part-I, Ch.#9 Items # 38.A, Page-54 New Surface New Surface 19.50 Sq.m 45.73 17.560 TOTAL QF SCHEDULE HEMS (SQ. 12.8.26) 86 54.3.48		Vol-III, Part-I,	Providing and laying 1: 3: 6 cement concrete solid diock masonly				
7 Vol-III, Part-I, Ch.#9 Items # 38.A, Page 54 New Surface New Surface 19.50 Cum 18,180.87 354,469 TOTAL GF SCHEDULE HEMS 18.4.00 Sq.m 45.73 17.560 Promium / Hebate on Schedule Items (X) (-2.8 %) 8c 543.48		The second of th	floor Super Structure including raking out joints & curring etc.,	10.000		1/0000000000000000000000000000000000000	
Vol-HI, Part-I, Ch #9 Items # 38.A, Page-54 New Surface TOTAL GF SCHEDULE HEMS President / Hebate on Schedule Items (X) (-28 %) Rec. 543.48		Page-27	CONTROL OF THE CONTRO	19.50		13,180.87	354,469
Ch.#9 Items # 38.A, 1st coat over white washed surface	7		Colour Washing		,		
Page 54 New Surface 17.500 TOTAL GF SCHEDULE HEMS Promium / Heliate on Schedule Items (X) (-28 %) 85. 543.48			Let cost over white washed surface				
New Surface 384.00 Sq.m 45.73 17.550		The second secon	The coat over white washed surface	100000000000000000000000000000000000000			
Premium / Hebate on Schedule Items (_N) (-28 %) 8x 643.48		/ ngc-sr	New Surface	384.00	Sq.m	45.73	17,560
	5,5	- N. Albert 1977	TOTAL GESCHOULE ITEMS	13.50	tion late	Rx	2,298,169.
	100	COLOMBY - 2015	Premium / Hebate on Schedule Items (N) (28 %	()	Rs.	643,48
TOTAL OF SCHEDULE ITEMS WITH PREMIUM / REBATE Rs. 11, 63 G. C.		7 36 5	TOTAL OF SCHEDULE ITEMS WITH PREMIUM / REBATE	40	L. V	Rx.	1,654,68

Page 112 of 339

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BILL OF QUANTITIES

BOUNDARY WALL & RELOCATE OF GATE

s.No.	Cost, of Shidh	Descriptions 4.5 5.7	Qiy.	Unit	Rate (PKR.)	Amount (PKR.)
	(0)	NON-SCHEDULE ITEMS		THE UNITED ST		The same
•	N.S	M.S GATE (Removing & Reflaint) Removing and re-flaing M.S Gate (double leaf) from existing boundary wall and fixed at new boundary wall with repair and alignment, level etc. including required hardware and applying anti rustes paint, enemal paint with complete in all respect, as direct by the Engineer.	3.00	Job	70,000	210,000
		TOTAL OF NON-SCHEDULE ITEMS		11.77	Rs.	210,000
		TOTAL OF (A + B)	19 A		Rs.	1,864,683



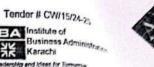












BILL OF QUANTITIES

No.	Govt, of Sindhol	Description Contract	CON.	Unit	Rate (PKRL)	Amount (PKR.)
No. of Lot	SEPT. O'THIRD AND MEN AREA	SCHEDULE ITEMS	A PERSONAL	and leading		
1		EXCAVATION FOR FOUNDATION				
		Earth work excavation in irrigation channels, drains etc, dressed to				
	Vol-III, Part-I, Ch.#1 Items #5,	designed section grades and profiles excavated material disposed				
		off and dressed within 50 ft. (15 metre) lead				
- 1					702	
		Ordinary Soil	1024.00	Cft.	7.92	8,110.0
	0.	Hard Soil	1024.00	Cft.	10.14	10,383.3
2		BACK FILLING (USING EXCAVATED / SURPLUS EARTH PRESENT AT SITE)				
	Vol-III, Part-I,	Filling, watering and ramming earth in under floors with surplus		000228		27
	Ch.#1 Items #21,	earth from foundation etc. lead upto one chain and lift upto 5 feet.	1527.00	Cft.	6.50	9,925.5
	Page-17	311				
3		LEAN CONCRETE	*			
	Vol-III, Part-I, Ch.#4 Items #5(i),	Cement concrete plain including placing compacting, finishing and curing complete (including screining and washing at stone				
	Page-24-25	aggregate without shuttering.				
	I.	Ratio. 1: 4:8	103.00	Cft.	348.83	35,929.4
4	1	REINFORCED CEMENT CONCRETE		,		,
	1 7 7	Reinforced cement concrete work including all labour and material				
	1900000	except the cost of steel reinforcement and its labour for bending			1	
	Vol-III, Part-I,	and binding which will be paid separately. This rate also includes all			1 1	
	Ch.#4 Items #6, Page-25	kinds of forms moulds lifting shuttering curing rendering and				
	1.086-23	finishing the exposed surface (including screening and washing of shingle)				
						· · ·
		NOTE : ALL STRUCTURAL CONCRETE UPTO PLINTH LEVEL SHALL				
		BE WITH SULPHATE RESISTING CEMENT. R.C. work in roof slab, beams columns rafts, lintels and other				
	···· 3.	structural members laid in situ or precast laid in position complete			1	
		in all respects.			1	
	I.	Ratio 1:2: 4 Conc. 90 lbs OPC cement,2 cft Sand 4 Cft stone aggregate				
	a	Foundation	353.00			late manuals
		Column upto plinth	353.00	Cft.	717.59	253,309.2
	7	Plinth beams	67.00	Cft.	717.59	48,078.5
	K 12 4 52	Columns in super structure	162.00	Cft.	717.59	116,249.5
		Roof Beams	152.00	Cft.	717.59	109,073.6
		Slabs	81.00	Cft.	717.59	58,124.7
	ń		673.00	Cft.	717.59	482,938.0
5		STEEL REINFORCEMENT		1		
	Vol-III, Part-I,	Fabrication of deformed steel reinforcement for cement concrete				
	Ch.#4 Items #8,	including cutting, bending, laying in position, making joints and fastenings including cost of binding wire (also includes removeal of				The North
	Page-26	rust from bars.)				
		Deformed bar				
	1.	Grade-60	77.45	Cwt	18,934.02	1,466,365.3
6	211	BLOCK MASONARY		200000	- W	
	Vol-III, Part-I,	Providing and laying 1:3:6 Cement concrete solid Block masorany				
	Ch #4 Items #23,	wall above 6" in thickness set in 1 : 6 cement mortar in G.F ground	1448.00	Cft.	493.79	715,007.9
	Page-27	floor superstructure including raking out joints & curing etc, complete				
		Commence .				Viess Adm
						/Sin
-		PARKS TO A SECOND				8
Alle	15	21 1 2 2				a 1777









IEA Institute of Business Administration Karachi

Tender # CW/15/24-25

BILL OF QUANTITIES

CHECK POST- CIVIL WORKS

S.No.	GCVL pl Sindh	Description	Cuy.	Unite	Rates (PKRL)	Amount (PKH)
7		RENDERING (PLASTER)				
		Internal Plaster				1
	Vol-III, Part-I,					
•	Ch.#9 Items #11(b),	Cernent Plaster 1:4 upto 12' height				
	Page-52	1/2" thick Plaster (for ceiling)	1208.00	Sft.	39.83	43,114.
		1/2 thet isset for centry	2200.00	5	23.02	
ь	Vol-III, Part-I, Ch.#9 Items #13(b),	Cement Plaster 1:6 upto 12' height (Internal)		,		
	Page-52	comment ruster 2.5 opto 22 ricigin (internal)				
		1/2" thick Plaster (wall)	3209.00	Sft.	37.01	118,765.
		External Plaster				
	Vol-III, Part-I,	61				
c	Ch.#9 Items #11(c), Page-52	Cement Plaster 1:4 upto 12' height				l
	rage-32	3/4" thick Plaster (for wall)	3457.00	SFL	53.82	186,055.
8		FLOORING				
		FLOORING BASE CONC. 1:3:6				
	Vol-III, Part-I,	Cement Concrete plain Including placing, compacting, finishing and				
	Ch.#4 Items #5(h), Page-24-25	curing complete including screening and washing at stone aggregate with out shuttering.	399.00	Cft.	388.67	155,079.
9	1.0	FLOOR, DADO & SKIRTING				
		Wall T.Je	1			
		Laying floor of approved with glazed tiles 1/4" thick dado of				
	Vol-III, Part-I, Ch.#8 Items #24,	approved color & size jointing in white cement and laid over 1:2		Sft.	389.36	287,737.
	Page-45	cement sand mortor 3/4" thick including grouting with matching color and finishing				100000000000000000000000000000000000000
		Floor Tile & Skiritng				
	Vol-lit, Part-I,	Laying floor of approved with glazed tiles 1/4" thick floor of				
	Ch.#8 Items #24,	approved color & size jointing in white cement and laid over 1:2		Sft.	389.36	231,669.
	Page-45	cement sand mortor 3/4" thick including grouting with matching color and finishing				
	16.32					l
10		Door with Door Frame Providing and fixing in position, doors, windows and ventilators of				
	Vol-III, Part-I,	2"x2"x1/4" angle iron frames and 1- 3/4" thick commercial ply				
	Ch.#10 Items #8,	wood (3 ply) on both sides, Including hold fasts, cleats, Iron tower	127.00	Sft.	2,995.87	380,475
	Page-57	bolts, handles, hinges and one mortice lock.	1			
11		MS SECURITY GRILLS				
	Mad III Boot I	Supplying & fixing in position iron/steel grill of 3/4" x 1/4" size flat				
	Vol-III, Part-I, Ch.#17 Items #26,	iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 lbs /sft of finished grill) item # 26,	68.00	Sft.	1,124.10	76,438
	Page-76	pg 76				
12		ALLIMINUM WINDOWS /VENTILATORS	-			
-	100	Supplying & fixing in position Aluminum channels framing for				
	Vol-III, Part-I,	sliding windows & ventilators of made with 5 mm thick tinted glass				
	Ch.#18 Items #84,	glazing (Belgium) & Aluminum fly screen I/c handles stoppers & locking arrangementetc. Complete.	80.00	Sft.	2,386.73	190,938
	Page-83	(a) Deluxe model				
		10.2				
		1 1 7 7 1	-			
_						PONTE









Tender # CW/15/0A-2s, IIEA Institute of Business Administration Karachi

BILL OF QUANTITIES

CHECK POST- CIVIL WORKS

754 July 1	Gove of Sindly	Description Description	, Cuy	Unit	(PKHL)	Amount (PKR.)
13	3 13/	PAINT				
	7 L	CEILING DESTEMPER				1
	Vol-III, Part-I,	Distempering three coats page				1
	Ch.#9 Items #24(c),	A CONTRACTOR OF THE PARTY OF TH	1208.00	Sft.	17.23	20,813.84
	Page-53	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
	i ".	INTERNAL WALL PAINTING				1 1
	Vol-III, Part-I,	Preparing the surface and painting with matt finish I/c rubbing the surface with Bathy (silicon carbide rubbing brick) filling the voids				
	Ch.#9 Items #36(A),	with zink /chalk / plaster of paris mixture, applying first coat	3209.00	Sft.	49.27	158,107,43
	Page-54	premix, making the surface smooth and then painting 3 coats with	3203.00	316.	49.27	158,107.43
		matt finish of approved make etc: complete .(new surface)				1
	101.	EXTERNAL WALL PAINTING .				1
	Vol-III, Part-I,	Preparing the surface and painting with weather coat I/c rubbing				1 1
	Ch.#9 Items #38(A),	the surface with rubbing brick / sand Paper, filling the voids with	3457.00	Sft.		
	Page-54	chalk/ plaster of Paris and then painting with weather coat of approved make.	3437.00	Sit.	39.38	136,136.66
	lv.	PAINT OVER IRON SURFACE				
	Vol-III, Part-I,	Preparing surface and painting guard bars gates, iron bars grating,				
	Ch.#11 Items #5d),	railings (including standard braces etc) and similar open work.			,	
	Page-63					1
	L.	Priming Coat	68.0g	Sft.	9.76	663.68
	II.	Each Subsequent Coat	68.00	Sft.	7.12	484.16
		21. 1 1				
	100	1 27				1
		TOTAL OF SCHEDULE HISRAS				
	1. 7.	TOTAL OF SCHEDULE ITEMS	000		Rs.	5,304,975.08
	-	Premium / Rebate on Schedule Items (%) (28 %)	Rs.	1485,393
	(0	The same of the sa	28 %) Lugger page		
	/4de (B	TOTAL OF SCHEDULE ITEMS WITH PREMIUM / REBATE. NONSCHEDULE ITEMS	28 %	, we more	Rs.	1485,393
14	(5)	TOTAL OF SCHEDULE ITEMS WITH PREMIUM / REBATE. NON-SCHEDULE ITEMS P.C.C (2000 psi)	Node to the		Rs.	1485,393
14	(0	Premium / Rebate on Schedule Items (%) (; TOTAL OF SCHEDULE ITEMS WITH PREMIUM / REBATE. NONE CHEDULE ITEMS P.C.C (2000 psi) Providing & Jaying P.C.C. constete. having minimum composition.	And Super	A des mana	Rs.	1485,393
14		Promisers / Rebate on Schedule Items (%) (And Super	A state typestal	Rs.	1485,393
14	NS (B	Promisers / Rebate on Schedule Items (A. 4.	A STATE TO STATE OF	Rs.	1485,393
14		Promisers / Rebate on Schedule Items (A. 4.	A service manager	Rs.	1485,393
14		Premium / Rebate on Schedule Items (A. 4.	Cft.	Rs.	1485,393 3,819,582
		Promisers / Rebate on Schedule Items (Parish Principle	or mani	Rs.	1485,393
		Premium / Rebate on Schedule Items (Parish Principle	or mani	Rs.	1485,393 3,819,582
		Premium / Rebate on Schedule Items (Parish Principle	or mani	Rs.	1485,393 3,819,582
		Premium / Rebate on Schedule Items (Parish Principle	or mani	Rs.	1485,393 3,819,582
		Promisers / Rebate on Schedule Items (Parish Principle	or mani	Rs.	1485,393 3,819,582
		Promisers / Rebate on Schedule Items (Parish Principle	or mani	Rs.	1485,393 3,819,582
		Promisent / Rebate on Schedule Items TOTAL OF SCHEDULE ITEMS WITH PREMIUM / REBATE. NON-SCHEDULE ITEMS P.C.C (2000 psi) Providing & laying P.C.C. concrete, having minimum compressive cylindrical strength 28 days of 2000 psi, graded coarse and fine aggregate conforming to ASTM specifications at over membrane & roof slab including leveling, compacting & curing, including form work if any, complete as per drawing and specification or as directed by the Engineer. Screed at roof	Parish Principle	or mani	Rs. Rs.	1485.393 3.819,582. 94,550
		TOTAL OF SCHEDULE ITEMS WITH PREMIUM / REBATE. Non-signably Indiana Schedule Items P.C.C (2000 psi) Providing & laying P.C.C. concrete, having minimum compressive cylindrical strength 28 days of 2000 psi, graded coarse and fine aggregate conforming to ASTM specifications at over membrane roof slab including leveling, compacting & curing, including form work if any, complete as per drawing and specification or as directed by the Engineer. Screed at roof	Parish Principle	or mani	Rs. Rs. 350	1485,393 3,819,582
		TOTAL OF SCHEDULE ITEMS WITH PREMIUM / REBATE. Non-signably Indiana Schedule Items P.C.C (2000 psi) Providing & laying P.C.C. concrete, having minimum compressive cylindrical strength 28 days of 2000 psi, graded coarse and fine aggregate conforming to ASTM specifications at over membrane roof slab including leveling, compacting & curing, including form work if any, complete as per drawing and specification or as directed by the Engineer. Screed at roof	Parish Principle	or mani	Rs. Rs.	1485.393 3.819,582. 94,550





IBA Institute of Business Administration Karachi

Tender # CW/15/24-25

BILL OF QUANTITIES

	CHECK POST- MEP WORKS				
S.Na. CSR-ZA ¹ Govt. of Sindh	Description.	Qty-	Unit.	Rate (PKR.)	Amount (PKRL)
W	SCHEDULE ITEMS	1000			A PARTY OF THE
1 Vol-III, Part-I, Ch.#1 Items #5, Page-204	SANITARY FITTING. Providing and fixing European type white glazed earthen ware wash down W.C. pan complete with & including the cost of white / black plastic seat (Best quality) and fid with C.P. brass hinges best quality and buffers 3 gallions white glazed earthen ware low level flushing cistem with siphon fitting 1½ " dia white porcelain enameled flush bend dia and making requisite number of holes in walls, plinth & floor for pipe connection & making good in cement concrete 1:2:4 (Foreign quality). (ICL or equivalent).	1	P.No	42,354.59	42,354.5
2 Vol-III, Part-I, Ch.#1 Items #3(b), Page-204	Providing and fixing Orusa type white glazed earthen ware W.C. pan with front flush inlet & complete with including the cost of flushing cistern with internal fitting and flush pipe with bend and making requisite number of holes in walls, plinth & floor for pipe connection & making good in cement concrete 1:2:4.	3	P.No	11,282.90	33,848.
3 Vol-III, Part-I, Ch.#6 Items #19-A), Page-198	Supplying & fixing C.P muslim shower with double bib cock and ring pipe etc. complete	3	P.No	5,475.60	16,426.8
4 Vol-lil, Part-I, Ch.#1 Items ##, Page-205	Providing and fixing 24x18" lavatory basin in white glazed carthen ware complete with &e including the cost of W.I. or C.I. cantilever bracket 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of %" dia chrome plated pillar taps, 1-1/2" rubber plug & chrome plated brass chain 1-1/4" dia malleable iron or C.P. brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection & making good in cement concrete 1:2:4 (Standard Pattern) (Karam Ceramics).	3	P.No	9,495.14	28,485.
5 Vol-III, Part-I, Ch.#1 items #9, Page-205	Add extra for providing & fixing of earth ware pedestal white or coloured Glazed (Standared pattern)		P.Na	3,276.00	9,828.
6 Vol-III, Part-I, Ch.#6items #3(a), Page-215	Providing & Fixing C.P Shower brass shower rose with or 3/3" inlet (with detachable lid) 4" dia (Standard quality)	3	Each	1,333.80	4,001.
7 Vol-III, Part-I, Ch.#2ltems #O(a), Page-134	Chamber for the required diameter of circular sewer and 3'-6" (1067 mm) depth with walls of B.B in cement sand mortar 1:3 cement plastered 1:3, 1/2" thick, inside of walls and 1" (25 mm) thick over benching and channel I/c fixing C.I manhole coverwith frame of clear opening 1-1/2" x1-1/2" (457x457 mm) of 1.75 cwt. (88.9 kg) embaded in plain C.C1:2:4 and fixing 1" (25 mm) dia M.Ssteps6"(150 mm) wide projecting 4" (102 mm) from the face of wall at 1.2" (305 mm) C/C duly painted etc. Complete as per standard specification and drawing a 4" to 12" dia 2'x2'x3'-6"	3	Each	55,584.18	166,752.
8 Vol-III, Part-I, Ch.#16/terns #1(a), Page-209	Manufacturing & Supplying of R.C.C manhole cover cast in 1:2:4 cement concrete ratio 3" inch deep at center reinforced with 1/2" dia tor steel bars with 4" c/c welded to a 3/16' thick 2 inch wide: M.S Plate and two hooks of 3/8" inch dia tor bars including compacting, curing and transportation within 10 miles. (a) 21" inch dia	3	Each	3,238.79	9,716
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Tender # CW/15/24-25 IBA Institute of Business Administrato, Karachi

BILL OF QUANTITIES

	CSR-24 Govt, of Shidly	Description	Qty.	Unit	Rate (PKR.)	Amount (PKR.)
,	Vol-III, Part-I,	Cast iron rain water down pipe fixed in position, excludingheads		Part of	DAST 191	The State of
	Ch.#7/tems #22(a),	and shoes, but includingpaintingand clamps, etc.		P.Rft	475.37	23,768.5
	Page-42	(a) 4" (100mm) dia Cast Iron down pipe.	50	P.RIC	4/3.3/	23,755.5
10	Vol-III, Part-I,	Shoes bends or offsets for cast Iron rain water down pipe including				
	Ch.#7(tems #24,	fixing and painting.	4	P.No	688.86	2,755.4
	Page-42		- 20			
u	Vol-III, Part-I,	Providing, Laying uPVC pipes of Class 'B' fixingintrenchi/ccutting,				
	Ch.#2ltems #4(d),	fitting and jointing with solvent cement I/c testingwithwater to a	15	R.ft	764.46	11,466.9
	Page-111	head of 61 meter or 200 ft.		1,,,,,	10	1
	1.00 1.0	d) 150 mm (6" dia)				1
12	Vol-III, Part-I,	Providing and fixing full way gun metal values with wheels				
_	Ch.#6ltems #4(B),	,threaded or flanged end with rubber washer				1
	Page-197	e 1-1/2" dia (Standard Pattren)	1	Each	1,614.60	1,614.6
	1 7 1	f 2"dia (Standard Pattren)	ī	Each	1,965.60	1,965.6
_				Laur	2,505.00	1,505.0
13	Vol-III, Part-I,	Supplying & fixing Fiber glass tank of approved quality and design				
	Ch.#8lterns #1(A),	and wall thickness as specified including cost of nuts, bolts and				
	Page-201	fixing in plat form of cement concrete 1:3:6 and making connection for inlet, outlet and over flow pipes etc. complete.	1	Each	37,698.31	37,698.3
		(A) 250 gallons tank with wall thickness 3.5mm.	-		5,,055.52	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		Material				
		Supplying & Fixing in Position C.P bib.				
14	Vol-III, Part-I,	1/2" dia C.p Bib Cock (standared pattern)				
	Ch.#6ltems #1(b),	1 1	3	Each	1,134.90	3,404.7
	Page-197					
5	Vol-III, Part-I,	Providing and fixing steel sinks stainless local bt make complete				1
	Ch.#1ltems #19(C),	with cast Iron or wrought Iron LINA ALVH brackets 6 inches built				
	Page-188	into wall, 1 1/2" rubber plug and chrome plated brass chain 1 1/2"				1
		C.P. brass waste with 1-1/2" P.V.C. waste pipe & making requisite number of holes in walls, plinth & floor for	. 1	P.No	10,215.27	10,215.2
		pipe connection & making good. In cement concrete 1:2:4. c Steel	•	7,110	10,213.27	10,213.2
		Sink stainless size 33"x18" local make	- 1			
		(standard patteren) .				1
	15,000,000	5594 At 17 1			1000	404 303 44
1140		TOTAL OF SCHEDULE ITEMS			RS.	404,303.14
	32300		3 0/0)		Rs.	
	er sen.		3 %)			113,205
	(8	President / Rebate on Schedule Items (%)(-28	3 %)	.	Rs.	113,20 S 291,098
16	(B	TOTAL OF SCHEDULE ITEMS WITH PREMIUM / REBATE NON-SCHEDULE ITEMS SANITARY DRAINAGE	3 %)		Rs.	113,205
16	8	TOTAL OF SCHEDULE ITEMS WITH PREMIUM / REDATE NON-SCHEDULE ITEMS SANITARY DRAINAGE PPR cold and hot water pipes SDR 6(PN 20) confoRMing to DIN	3 %)		Rs.	113,205
16		TOTAL OF SCHEDULE ITEMS WITH PREMIUM / REDATE NON-SCHEDULE ITEMS SANITARY DRAINAGE PPR cold and hot water pipes SDR 6(PN 20) confoRMing to DIN 8077 & DIN 8078 & fittings SDR 6 (PN20) confoRMing to DIN	3 %)		Rs.	113,205
16	8	TOTAL OF SCHEDULE ITEMS WITH PREMIUM / REDATE NON-SCHEDULE ITEMS SANITARY DRAINAGE PPR cold and hot water pipes SDR 6(PN 20) confoRMing to DIN 8077 & DIN 8078 & fittings SDR 6 (PN20) confoRMing to DIN 16962.	3 %)		Rs.	113,205
16	8	TOTAL OF SCHEDULE ITEMS WITH PREMIUM / REDATE NON-SCHEDULE ITEMS SANITARY DRAINAGE PPR cold and hot water pipes SDR 6(PN 20) confoRMing to DIN 8077 & DIN 8078 & fittings SDR 6 (PN20) confoRMing to DIN 16962. a) 20 mm (outer dia 25mm)	60	R.ft	Rs. Rs. 210	113,205
16	8	TOTAL OF SCHEDULE ITEMS WITH PREMIUM / REDATE NON-SCHEDULE ITEMS SANITARY DRAINAGE PPR cold and hot water pipes SDR 6(PN 20) confoRMing to DIN 8077 & DIN 8078 & fittings SDR 6 (PN20) confoRMing to DIN 16962. a) 20 mm (outer dia 25mm) b) 25 mm (outer dia 32 mm)	60	R.ft	Rs. Rs. 210	12600
16	8	TOTAL OF SCHEDULE ITEMS WITH PREMIUM / REDATE NON-SCHEDULE ITEMS SANITARY DRAINAGE PPR cold and hot water pipes SDR 6(PN 20) confoRMing to DIN 8077 & DIN 8078 & fittings SDR 6 (PN20) confoRMing to DIN 16962. a) 20 mm (outer dia 25mm) b) 25 mm (outer dia 32 mm) c) 32 mm (outer dia 40 mm)	60	F2817900 III	Rs.	113,205
	B N.S	TOTAL OF SCHEDULE ITEMS WITH PREMIUM / REDATE NON-SCHEDULE ITEMS SANITARY DRAINAGE PPR cold and hot water pipes SDR 6(PN 20) confoRMing to DIN 8078 & fittings SDR 6 (PN20) confoRMing to DIN 16962. a) 20 mm (outer dia 25mm) b) 25 mm (outer dia 32 mm) c) 32 mm (outer dia 40 mm) Galvanized steel cold water pipe & fittings confoRMing to BS-1387	60	R.ft	Rs. Rs. 210	12600 4200 14000
	8	TOTAL OF SCHEDULE ITEMS WITH PREMIUM / REDATE NON-SCHEDULE ITEMS SANITARY DRAINAGE PPR cold and hot water pipes SDR 6(PN 20) confoRMing to DIN 8077 & DIN 8078 & fittings SDR 6 (PN20) confoRMing to DIN 16962. a) 20 mm (outer dia 25mm) b) 25 mm (outer dia 32 mm) c) 32 mm (outer dia 40 mm) Galvanized steel cold water pipe & fittings confoRMing to BS-1387 (medium quality) of the following diameter running on roof	60	R.ft	Rs. Rs. 210	12600 4200 14000
	B N.S	TOTAL OF SCHEDULE ITEMS WITH PREMIUM / REDATE NON-SCHEDULE ITEMS SANITARY DRAINAGE PPR cold and hot water pipes SDR 6(PN 20) confoRMing to DIN 8078 & fittings SDR 6 (PN20) confoRMing to DIN 16962. a) 20 mm (outer dia 25mm) b) 25 mm (outer dia 32 mm) c) 32 mm (outer dia 40 mm) Galvanized steel cold water pipe & fittings confoRMing to BS-1387	60	R.ft	Rs. Rs. 210	12600 1200 1400
	B N.S	TOTAL OF SCHEDULE ITEMS WITH PREMIUM / REDATE NON-SCHEDULE ITEMS SANITARY DRAINAGE PPR cold and hot water pipes SDR 6(PN 20) confoRMing to DIN 8078 & fittings SDR 6 (PN20) confoRMing to DIN 16962. a) 20 mm (outer dia 25mm) b) 25 mm (outer dia 32 mm) c) 32 mm (outer dia 40 mm) Galvanized steel cold water pipe & fittings confoRMing to BS-1387 (medium quality) of the following diameter running on roof wrapped in fibre glass wool insulation as specified. (ring expose on roof)	60 15 40	R.ft R.ft	Rs. Rs. 210 280 350	12600 4200 1400 1400
	B N.S	TOTAL OF SCHEDULE ITEMS WITH PREMIUM / REDATE NON-SCHEDULE ITEMS SANITARY DRAINAGE PPR cold and hot water pipes SDR 6(PN 20) confoRMing to DIN 8078 & fittings SDR 6 (PN20) confoRMing to DIN 16962. a) 20 mm (outer dia 25mm) b) 25 mm (outer dia 32 mm) c) 32 mm (outer dia 40 mm) Galvanized steel cold water pipe & fittings confoRMing to BS-1387 (medium quality) of the following diameter running on roof wrapped in fibre glass wool insulation as specified. (ring expose on roof) a) 32 mm (1.25 inch)	60	R.ft	Rs. Rs. 210 280 350	12600 4200 1400 1400 15150
17	B N.S	TOTAL OF SCHEDULE ITEMS WITH PREMIUM / REDATE NON-SCHEDULE ITEMS SANITARY DRAINAGE PPR cold and hot water pipes SDR 6(PN 20) confoRMing to DIN 8078 & fittings SDR 6 (PN20) confoRMing to DIN 16962. a) 20 mm (outer dia 25mm) b) 25 mm (outer dia 32 mm) c) 32 mm (outer dia 40 mm) Galvanized steel cold water pipe & fittings confoRMing to BS-1387 (medium quality) of the following diameter running on roof wrapped in fibre glass wool insulation as specified. (ring expose on roof) a) 32 mm (1.25 inch)	60 15 40	R.ft R.ft	210 280 350	12600 4200 1400 1400
17	B N.S	TOTAL OF SCHEDULE ITEMS WITH PREMIUM / REDATE NON-SCHEDULE ITEMS SANITARY DRAINAGE PPR cold and hot water pipes SDR 6(PN 20) confoRMing to DIN 8078 & fittings SDR 6 (PN20) confoRMing to DIN 16962. a) 20 mm (outer dia 25mm) b) 25 mm (outer dia 32 mm) c) 32 mm (outer dia 40 mm) Galvanized steel cold water pipe & fittings confoRMing to BS-1387 (medium quality) of the following diameter running on roof wrapped in fibre glass wool insulation as specified. (ring expose on roof) a) 32 mm (1.25 inch) b) 50 mm (2 inch)	60 15 40	R.ft R.ft	Rs. Rs. 210 280 350	12600 1200 1400 1400 15150







IBA Institute of Business Administration Karachi Ladership and Ideas for Tomporous

Tender # CW/15/24-25

BILL OF QUANTITIES

No.	CSR-24 Gevt: of Sindb	Description	Qty.	Unit	Rate (PKR.)	Amount (PKR.)
18	N.S	uPVC pipe confoRMing to ASTM D-178S schedule 40 & fittings confiRMing to D-2466 Schedule 40 for soil, waste and vent pipe of following diamters:				
		a) 40 mm	5	R.ft	350	1750
	7 12 1	b) 50 mm	25	R.ft	420	10500
		c) 80 mm	25	R.ft	560	21000
	-	d 100 mm	30	R.ft	420 560 700	21000
	7 1 5 1	uPVC floor traps of the following diameter as specified. a) 75 mm	3	No.	700	2100
	1 10 10	uPVC floor drains of the following diameter as specified. a) 75 mm	3	No.	9800	29400
	1 1 1 1 1	UPVC floor cleanout of the following diameter with brass cover as				
		specified.		200	11200	11200
		a) 100 mm	1	Na. Na.	8400	8400
		b) 75 mm	•	110.	8400	8400
19	N.S	Ref. Spec. 5150, 5220 & 5180				
		Portable fire extinguisher of following types with hanging				
		arrangement as specified.(NEFCOor Equivalent)			17500	105000
		a) Dry Chemical Powder Type (S Kg)	6	Na.	35000	70,000
		b) Carbon Dioxide type (5 Kg) c) Foam type (9 litre)	1	Na. Na.	42000	42000
20	N.S	PUMPING MACHINERY	•		9200	420
		Ref. Spec. 5240 & 5220				
		Potable water booster pumps of following flow and head level				
		suitable at UGWT and OHWT, gate valves, check valves and all other accessories required for installation and operation			l I	
		other accessories required for installation and operation				
		Flow = 10 US GPM Head =40 feet	1	No.	1050,000	1,050,000
				No.	1050,000	1,050,00
			1 	No.	(050,000 Rs.	
3 %	- 51 0	Head =40 feet	1 	No.		
7 (8)		Head =40 feet TOTAL OF SANITARY ELECTRICAL WIRING & FIXTURES	1	No.		
5 %		Head =40 feet TOTAL OF SANITARY ELECTRICAL WIRING & FIXTURES BASIC ELECTRICAL MATERIAL & METHODS	inewski	No.		
		Head =40 feet TOTAL OF SANITARY ELECTRICAL WIRING & FIXTURES BASIC ELECTRICAL MATERIAL & METHODS Particular Notes:	1	No.		
		Head =40 feet TOTAL OF SANITARY ELECTRICAL WIRING & FIXTURES BASIC ELECTRICAL MATERIAL & METHODS Particular Notes: a) See pricing preambles / General Instructions.	income	No.		
		Head =40 feet TOTAL OF SANITARY ELECTRICAL WIRING & FIXTURES BASIC ELECTRICAL MATERIAL & METHODS Particular Notes: a) See pricing preambles / General Instructions. b) Separate back boxes shall be used for Emergency / UPS circuits for normal light / power wiring	1	No.		
		Head =40 feet TOTAL OF SANITARY ELECTRICAL WIRING & FIXTURES BASIC ELECTRICAL MATERIAL & METHODS Particular Notes: a) See pricing preambles / General Instructions. b) Separate back boxes shall be used for Emergency / UPS circuits for normal light / power wiring c) Wiring shall be done with appropriate color codes as per latest	1	No.		
		Head =40 feet TOTAL OF SANITARY ELECTRICAL WIRING & FIXTURES BASIC ELECTRICAL MATERIAL & METHODS Particular Notes: a) See pricing preambles / General Instructions. b) Separate back boxes shall be used for Emergency / UPS circuits for normal light / power wiring c) Wiring shall be done with appropriate color codes as per latest edition of IEEE wiring regulations	interp.	No.		
		Head =40 feet TOTAL OF SANITARY ELECTRICAL WIRING & FIXTURES BASIC ELECTRICAL MATERIAL & METHODS Particular Notes: a) See pricing preambles / General Instructions. b) Separate back boxes shall be used for Emergency / UPS circuits for normal light / power wiring c) Wiring shall be done with appropriate color codes as per latest edition of IEEE wiring regulations d) Wiring Accessories shall be based on Clipsal C-Vivace series	interp.	No.		
		Head =40 feet TOTAL OF SANITARY ELECTRICAL WIRING & FIXTURES BASIC ELECTRICAL MATERIAL & METHODS Particular Notes: a) See pricing preambles / General Instructions. b) Separate back boxes shall be used for Emergency / UPS circuits for normal light / power wiring c) Wiring shall be done with appropriate color codes as per latest edition of IEEE wiring regulations d) Wiring Accessories shall be based on Clipsal C-Vivace series (white)	interp.	No.		
		ELECTRICAL WIRING & FIXTURES BASIC ELECTRICAL MATERIAL & METHODS Particular Notes: a) See pricing preambles / General Instructions. b) Separate back boxes shall be used for Emergency / UPŞ circuits for normal light / power wiring c) Wiring shall be done with appropriate color codes as per latest edition of IEEE wiring regulations d) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing of following point wiring with single core PVC	1 interp	No.		
		ELECTRICAL WIRING & FIXTURES BASIC ELECTRICAL MATERIAL & METHODS Particular Notes: a) See pricing preambles / General Instructions. b) Separate back boxes shall be used for Emergency / UPS circuits for normal light / power wiring c) Wiring shall be done with appropriate color codes as per latest edition of IEEE wiring regulations d) Wiring Accessories shall be based on Clipsal G-Vivace series (white) Providing and fixing of following point wiring with single core PVC insulated 450/750 volt grade copper conductors, including	1	No.		
		ELECTRICAL WIRING & FIXTURES BASIC ELECTRICAL MATERIAL & METHODS Particular Notes: a) See pricing preambles / General Instructions. b) Separate back boxes shall be used for Emergency / UPŞ circuits for normal light / power wiring c) Wiring shall be done with appropriate color codes as per latest edition of IEEE wiring regulations d) Wiring Accessories shall be based on Clipsal G-Vivace series (white) Providing and fixing of following point wiring with single core PVC insulated 450/750 volt grade copper conductors, including green/yellow CPC (cream color for clean / isolated earth) in	1	No.		
		ELECTRICAL WIRING & EXTURES BASIC ELECTRICAL MATERIAL & METHODS Particular Notes: a) See pricing preambles / General Instructions. b) Separate back boxes shall be used for Emergency / UPŞ circuits for normal light / power wiring c) Wiring shall be done with appropriate color codes as per latest edition of IEEE wiring regulations d) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing of following point wiring with single core PVC insulated 450/750 volt grade copper conductors, including green/yellow CPC (cream color for clean / isolated earth) in appropriate size class 8 PVC conduit rigid / flexible, clipped to the	1	No.		
		ELECTRICAL WIRING & FIXTURES BASIC ELECTRICAL MATERIAL & METHODS BY A STATE BOOK AND THE S		No.		
		ELECTRICAL WIRING & EXTURES BASIC ELECTRICAL MATERIAL & METHODS Particular Notes: a) See pricing preambles / General Instructions. b) Separate back boxes shall be used for Emergency / UPS circuits for normal light / power wiring c) Wiring shall be done with appropriate color codes as per latest edition of IEEE wiring regulations d) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing of following point wiring with single core PVC insulated 450/750 volt grade copper conductors, including green/yellow CPC (cream color for clean / isolated earth) in appropriate size class 8 PVC conduit rigid / flexible, clipped to the surface, or concealed in structure or in already-laid trunking, including cutting, chasing, making good and all accessories, 10A gang switch, fan dimmer, 2 way switch, bell push, ceiling rose,	1	No.		
		ELECTRICAL WIRING & EXTURES BASIC ELECTRICAL MATERIAL & METHODS Particular Notes: a) See pricing preambles / General Instructions. b) Separate back boxes shall be used for Emergency / UPŞ circuits for normal light / power wiring c) Wiring shall be done with appropriate color codes as per latest edition of IEEE wiring regulations d) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing of following point wiring with single core PVC insulated 450/750 volt grade copper conductors, including green/yellow CPC (cream color for clean / isolated earth) in appropriate size class B PVC conduit rigid / flexible, clipped to the surface, or concealed in structure or in already-laid trunking, including cutting, chasing, making good and all accessories, 10A gang switch, fan dimmer, 2 way switch, bell push, ceiling rose, sheet steel back-box with earth terminal, fan hook, connectors		No.		
		ELECTRICAL WIRING & EXTURES BASIC ELECTRICAL MATERIAL & METHODS Particular Notes: a) See pricing preambles / General Instructions. b) Separate back boxes shall be used for Emergency / UPS circuits for normal light / power wiring c) Wiring shall be done with appropriate color codes as per latest edition of IEEE wiring regulations d) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing of following point wiring with single core PVC insulated 450/750 volt grade copper conductors, including green/yellow CPC (cream color for clean / isolated earth) in appropriate size class 8 PVC conduit rigid / flexible, clipped to the surface, or concealed in structure or in already-laid trunking, including cutting, chasing, making good and all accessories, 10A gang switch, fan dimmer, 2 way switch, bell push, ceiling rose, sheet steel back-box with earth terminal, fan hook, connectors etc., LOmmag 3-core flexible PVC/PVC cord upto fixture, etc., for;		No.		
	1	ELECTRICAL WIRING & FIXTURES BASIC ELECTRICAL MATERIAL & METHODS Particular Notes: a) See pricing preambles / General Instructions. b) Separate back boxes shall be used for Emergency / UPŞ circuits for normal light / power wiring c) Wiring shall be done with appropriate color codes as per latest edition of IEEE wiring regulations d) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing of following point wiring with single core PVC insulated 450/750 volt grade copper conductors, including green/yellow CPC (cream color for clean / isolated earth) in appropriate size class B PVC conduit rigid / flexible, clipped to the surface, or concealed in structure or in already-laid trunking, including cutting, chasing, making good and all accessories, 10A gang switch, fan dimmer, 2 way switch, bell push, ceiling rose, sheet steel back-box with earth terminal, fan hook, connectors etc., LOmmaq 3-core flexible PVC/PVC cord upto fixture, etc., for, DB / UPS-DB / LCP to switch / relay / dimmer (including wiring	ine e >		Rs.	1474900
	1	ELECTRICAL WIRING & EXTURES BASIC ELECTRICAL MATERIAL & METHODS Particular Notes: a) See pricing preambles / General Instructions. b) Separate back boxes shall be used for Emergency / UPŞ circuits for normal light / power wiring c) Wiring shall be done with appropriate color codes as per latest edition of IEEE wiring regulations d) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing of following point wiring with single core PVC insulated 450/750 volt grade copper conductors, including green/yellow CPC (cream color for clean / isolated earth) in appropriate size class B PVC conduit rigid / flexible, clipped to the surface, or concealed in structure or in already-laid trunking, including cutting, chasing, making good and all accessories, 10A gang switch, fan dimmer, 2 way switch, bell push, ceiling rose, sheet steel back-box with earth terminal, fan hook, connectors etc., 1.0mmsq 3-core flexible PVC/PVC cord upto fixture, etc., for, DB / UPS-DB / LCP to switch / relay / dimmer (including wiring between switching units on same circuit) with 2x2.5mmsq	1	No.		1474900 1474900
	1	ELECTRICAL WIRING & FIXTURES BASIC FLECTRICAL MATERIAL & METHODS Particular Notes: a) See pricing preambles / General Instructions. b) Separate back boxes shall be used for Emergency / UPS circuits for normal light / power wiring c) Wiring shall be done wiring regulations d) Wiring shall be done wiring regulations d) Wiring Accessories shall be based on Clipsal G-Vivace series (white) Providing and fixing of following point wiring with single core PVC insulated 450/750 volt grade copper conductors, including green/yellow CPC (cream color for clean / isolated earth) in appropriate size class B PVC conduit rigid / flexible, clipped to the surface, or concealed in structure or in already-laid trunking, including cutting, chasing, making good and all accessories, 10A gang switch, fan dimmer, 2 way switch, bell push, ceiling rose, sheet steel back-box with earth terminal, fan hook, connectors etc., LOmmsq 3-core flexible PVC/PVC cord upto fixture, etc., for, OB / UPS-OB / LCP to switch / relay / dimmer (including wiring between switching units on same circuit) with 2x2.5mmsq conductors and 2.5mmsq CPC	1	Nos.	Rs.	31500
	1	ELECTRICAL WIRING & EXTURES BASIC ELECTRICAL MATERIAL & METHODS Particular Notes: a) See pricing preambles / General Instructions. b) Separate back boxes shall be used for Emergency / UPŞ circuits for normal light / power wiring c) Wiring shall be done with appropriate color codes as per latest edition of IEEE wiring regulations d) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing of following point wiring with single core PVC insulated 450/750 volt grade copper conductors, including green/yellow CPC (cream color for clean / isolated earth) in appropriate size class B PVC conduit rigid / flexible, clipped to the surface, or concealed in structure or in already-laid trunking, including cutting, chasing, making good and all accessories, 10A gang switch, fan dimmer, 2 way switch, bell push, ceiling rose, sheet steel back-box with earth terminal, fan hook, connectors etc., 1.0mmsq 3-core flexible PVC/PVC cord upto fixture, etc., for, DB / UPS-DB / LCP to switch / relay / dimmer (including wiring between switching units on same circuit) with 2x2.5mmsq	ine e >		Rs.	1474900
	ess Admin b)	ELECTRICAL WIRING & FIXTURES BASIC ELECTRICAL MATERIAL & METHODS Particular Notes: a) See pricing preambles / General Instructions. b) Separate back boxes shall be used for Emergency / UPS circuits for normal light / power wiring c) Wiring shall be done with appropriate color codes as per latest edition of IEEE wiring regulations d) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing of following point wiring with single core PVC insulated 450/750 volt grade copper conductors, including green/yellow CPC (cream color for clean / isolated earth) in appropriate size class B PVC conduit rigid / flexible, clipped to the surface, or concealed in structure or in already-laid trunking, including cutting, chasing, making good and all accessories, 10A gang switch, fan dimmer, 2 way switch, bell push, ceiling rose, sheet steel back-box with earth terminal, fan hook, connectors etc., LOmmsq 3-core flexible PVC/PVC cord upto fixture, etc., for; OB / UPS-OB / LCP to switch / relay / dimmer (including wiring between switching units on same circuit) with 2x2.5mmsq conductors and 2.5mmsq CPC Ught / exhaust / fan point to switch with 2x1.5mmsq conductors	1	Nos.	Rs.	31500
	ess Admin b)	ELECTRICAL WIRING & FIXTURES BASIC ELECTRICAL MATERIAL & METHODS Particular Notes: a) See pricing preambles / General Instructions. b) Separate back boxes shall be used for Emergency / UPS circuits for normal light / power wiring c) Wiring shall be done with appropriate color codes as per latest edition of IEEE wiring regulations d) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing of following point wiring with single core PVC insulated 450/750 volt grade copper conductors, including green/yellow CPC (cream color for clean / isolated earth) in appropriate size class B PVC conduit rigid / flexible, clipped to the surface, or concealed in structure or in already-laid trunking, including cutting, chasing, making good and all accessories, 10A gang switch, fan dimmer, 2 way switch, bell push, ceiling rose, sheet steel back-box with earth terminal, fan hook, connectors etc., LOmmsq 3-core flexible PVC/PVC cord upto fixture, etc., for; OB / UPS-OB / LCP to switch / relay / dimmer (including wiring between switching units on same circuit) with 2x2.5mmsq conductors and 2.5mmsq CPC Ught / exhaust / fan point to switch with 2x1.5mmsq conductors	1	Nos.	Rs.	31500 14560
To a	1	ELECTRICAL WIRING & FIXTURES BASIC ELECTRICAL MATERIAL & METHODS Particular Notes: a) See pricing preambles / General Instructions. b) Separate back boxes shall be used for Emergency / UPS circuits for normal light / power wiring c) Wiring shall be done with appropriate color codes as per latest edition of IEEE wiring regulations d) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing of following point wiring with single core PVC insulated 450/750 volt grade copper conductors, including green/yellow CPC (cream color for clean / isolated earth) in appropriate size class B PVC conduit rigid / flexible, clipped to the surface, or concealed in structure or in already-laid trunking, including cutting, chasing, making good and all accessories, 10A gang switch, fan dimmer, 2 way switch, bell push, ceiling rose, sheet steel back-box with earth terminal, fan hook, connectors etc., LOmmsq 3-core flexible PVC/PVC cord upto fixture, etc., for; OB / UPS-OB / LCP to switch / relay / dimmer (including wiring between switching units on same circuit) with 2x2.5mmsq conductors and 2.5mmsq CPC Ught / exhaust / fan point to switch with 2x1.5mmsq conductors	1	Nos.	Rs.	147490 31500
The aim	ess Admin b)	ELECTRICAL WIRING & FIXTURES BASIC ELECTRICAL MATERIAL & METHODS Particular Notes: a) See pricing preambles / General Instructions. b) Separate back boxes shall be used for Emergency / UPS circuits for normal light / power wiring c) Wiring shall be done with appropriate color codes as per latest edition of IEEE wiring regulations d) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing of following point wiring with single core PVC insulated 450/750 volt grade copper conductors, including green/yellow CPC (cream color for clean / isolated earth) in appropriate size class B PVC conduit rigid / flexible, clipped to the surface, or concealed in structure or in already-laid trunking, including cutting, chasing, making good and all accessories, 10A gang switch, fan dimmer, 2 way switch, bell push, ceiling rose, sheet steel back-box with earth terminal, fan hook, connectors etc., LOmmsq 3-core flexible PVC/PVC cord upto fixture, etc., for; OB / UPS-OB / LCP to switch / relay / dimmer (including wiring between switching units on same circuit) with 2x2.5mmsq conductors and 2.5mmsq CPC Ught / exhaust / fan point to switch with 2x1.5mmsq conductors	1	Nos.	Rs.	31500 14560







BILL OF QUANTITIES

CHECK POST- N	MEP WORKS
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Na.	CSR-24 Govt. of Sindh	n Description	Qty	Unit	Rate (PKRL)	Amount (PKR.)
	2	Providing and fixing of switch socket-outlet point wiring with single core PVC insulated 450/750 volt grade copper conductors, including green/yellow CPC (cream color for clean / isolated earth) in appropriate size class 8 PVC conduit rigid / flexible, clipped to the surface, or concealed in structure or in already-laid trunking.				
	el in	Including cutting, chasing, making good, sheet steel back-box with earth terminal, connectors etc., and all accessories, as follows: From DB to SA/13A Round Universal switch socket outlet point			4	
	a.	with 2x2.5mmsq conductors and 2.5mmsq CPC Same as (a) above but, point to point with 2x2.5mmsq conductors	14	Nos.	7000 5600	78400
		and 2.5mmsq CPC From DB to 13A flat pin (simplex / duplex) / switch socket outlet	700 ·	Nos.	5600	33600
	a	point with 2x4 mmsq conductors + 4 mmsq isolated earth. Same as item (c) but, point to point with 2x2.5mmsq conductors	4	Nos.	5600	2240
		and 2.5mmsq CPC 5 / 13 /15A adjacent outlet with 2x2.5mmsq conductors + 2.5mmsq CPC (isolated earth with 13A sockets)	6	Nos.	5600	3360
	,	DB to 15A round pin switch socket outlet point with 2x4mmsq conductors +4mmsq CPC	1	No.	5600	5600
	3	Providing and fixing of 20 amp isolator wiring for AC / ventilation fans/ Water Heater, including wiring between isolator and indoor unit with single core PVC insulated 450/750 volt grade copper conductors, including green/yellow CPC, in appropriate size class B PVC conduit rigid / flexible, clipped to the surface, or concealed in structure or in already-laid trunking, including cutting, chasing, making good, sheet steel back-box with earth terminal for isolator and all mounting accessories, as follows:				*
		From DB to 20A SPN isloator point with 2x4.0mmsq conductors and 4.0mmsq as CPC Providing and fixing of wiring for UPS / Data Center Rack power,	Z	Nos.	35000	70,000
4		with PVC Insulated 450/750 voit grade copper conductors, including green/yellow CPC. In appropriate size class B PVC conduit rigid / flexible, clipped to the surface, or concealed in structure or in already-laid trunking, including cutting, chasing, making good, sheet steel back-box with earth terminal for isolator and all mounting accessories, as follows: From DB / CDB to UPS In/out isloator / industrial socket outlet			2 C Allat	Section 70,0
		point with 5Ci6.0mmsq conductors (avg len = xx rft) Total Cost of Electrical Material and Methods:		Nos.	3 3 000 'E	Viring*
	1	Wishing Pactivate Particular Notes: a) See pricing preambles / General Instructions. Note: Cost of ceiling suspended condults, pipes, cable tray etc. even if not explicitely stated shall be inclusive of threaded rods, muts washer, steel base plate etc WIRING (LV) Supply, laying, connecting up and testing of non armoured / armoured cable 600/1000 V grade, in already laid raceway, including all fixing, jointing & termination accessories, designation labels at both ends etc., in the following sizes (Actual length of cable shall be measured at site by the contractor before placing the order with the manufacturer, however approximate length of cable are shown herewith)				S18,70
10		a. 4C x 16mmsq Cu/PVC/PVC [From Existing MDB to MDB-IBA-G]	65	Rft	2100	136500





Image: Institute of Business Administration Karachi

BILL OF QUANTITIES

S.No.	CSR-2A Govt of Sindly	Hescription.	Qty.	Unit	Rate (PKK)	(PKIE)
	#2.10000.484 OF 1846	and when the rate of the last transferred distribution to	W-Millian Co.	KITSHIP I IN S	3 - 1 - 1	
	31	Supply, laying, connecting up and testing of PVC insulated			1	
		450/750V grade cable, in already laid raceway including all fixing,				
	3	jointing & termination accessories, designation labels at both ends				
	2		0 1		1	
		etc., in the following sizes: (Actual length of cable shall be				
		measured at site by the contractor before placing the order with				
1	1	the manufacturer, however approximate length of cable are shown				111000
		herewith) 3C x 6mmsq Cu/PVC/PVC (For UPS)	20	Rft	700	1400
9	(C)		65	Rft	700	45500
- 1		1C x 16mmsq PVC (Earthing Cable)	20	Rft	10500	210,000
		1C x 6mmsq PVC (Earthing Cable)	30	Rft	700	21000
	۰ "	1C x 4mmsq PVC (Equipment Earthing)			700	71000
		RACEWAY				190
		Supply, laying and installation of following PVC / GI / MS pipe to be				
		recessed in walls / floors or clipped to surface, as required at site				
	3	and as shown on the drawing including accessories steel pull wires,			1	
		complete in all respects;				Free
			80	Rft	700	56000
		60mmx60mm PVC channel (Adamjee Dura Duct or equivalent)	49550	11-877-00		18800
	b	. 38mm dia (class B)	30	Rft	410	10000
		32mm dia (class B)	45	Rft	560 420 280	(8400
	d	25mm dia (class B)	10	Rft	280	2800
		Providing and fixing underfloor RCC / block masonary Man hole /				
		Hand Hole, including medium duty uPVC (or appropriate rust			1	
	4	proof) cover with collar and all installation accessories etc				
		complete in all respects (with 2" thick 1:3:6 CC base and 1:4 wall				
		plaster-1/2"]				- 5-
		300x300x450mm block masonary hand hole with 5" horizontal	3	Nos.	17500	52500
		block on cc base and 5" vertical blocks for walls			Rs.	CTLINA
		Total Cost of Wiring and Raceways:				574,00
		Total Cost of Wiring and Raceways: WIRING ACCESSORIES				574,00
		Total Cost of Wiring and Raceways: WIRING ACCESSORIES Particular Notes:				574,00
		Total Cost of Wiring and Raceways: WIRING ACT ESSORIES Particular Notes: a) See pricing preambles / General Instructions.	*			574,00
		Total Cost of Wiring and Raceways: WIRING ACCESSORIES Particular Notes: a) See pricing preambles / General Instructions. b) Cost of Industrial sockets shall be of complete set (male +				574,00
	lactor (197	Total Cost of Wiring and Raceways: WIRINGACCESSORIES Particular Notes: a) See pricing preambles / General Instructions. b) Cost of Industrial sockets shall be of complete set (male + female)				\$74,00
		Total Cost of Wiring and Raceways: WiRING ACESSORIES Particular Notes: 3) See pricing preambles / General Instructions. b) Cost of Industrial sockets shall be of complete set (male + female) c) Wiring Accessories shall be based on Clipsal C-Vivace series				\$74,00
		Total Cost of Wiring and Raceways: WIRINGACCESSORIES Particular Notes: a) See pricing preambles / General Instructions. b) Cost of Industrial sockets shall be of complete set (male + female) (wiring Accessories shall be based on Clipsal C-Vivace series (white)				\$74,∞
	1	Total Cost of Wiring and Raceways: WiRING ACCESSORIES Particular Notes: a) See pricing preambles / General Instructions. b) Cost of Industrial sockets shall be of complete set (male + female) c) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing following rating 250/500 volt switch socket outlet and all mounting accessories			Rs.	<u>\$74,∞</u>
	1	Total Cost of Wiring and Raceways: WiRING ACCESSORIES Particular Notes: 3 See pricing preambles / General Instructions. b) Cost of Industrial sockets shall be of complete set (male + female) c) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing following rating 250/500 volt switch socket outlet and all mounting accessories 3 oln. 5 Amp. 250 volt universal switch socket outlet	20	Nos.	700	574,00
	1	Total Cost of Wiring and Raceways: WIRING ACCESSORIES Particular Notes: a) See pricing preambles / General Instructions. b) Cost of Industrial sockets shall be of complete set (male + female) c) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing following rating 250/500 volt switch socket outlet and all mounting accessories 3 pin, 5 Amp, 250 volt universal switch socket outlet 3 pin, 13 Amp, flat pin, 250 volt switch socket outlet	16	Nos. Nos.	700 700	14080
	1	Total Cost of Wiring and Raceways: WIRINGACCESSORIES a) See pricing preambles / General Instructions. b) Cost of Industrial sockets shall be of complete set (male + female) c) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing following rating 250/500 volt switch socket outlet and all mounting accessories 3 pin, 5 Amp, 250 volt universal switch socket outlet 3 pin, 13 Amp, flat pin, 250 volt switch socket outlet 3 pin, 13 Amp, 750 volt switch socket outlet		100000000000000000000000000000000000000	700	14080
	1 b	Total Cost of Wiring and Raceways: WIRINGACESSORIES a) See pricing preambles / General Instructions. b) Cost of Industrial sockets shall be of complete set (male + female) c) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing following rating 250/500 volt switch socket outlet and all mounting accessories 3 pin, 5 Amp, 250 volt universal switch socket outlet 3 pin, 13 Amp, flat pin, 250 volt switch socket outlet 3 pin, 15 Amp, 250 volt switch socket outlet 32 Amp, 5PN+E Industrial socket outlet (surface, flanged type) male	16	Nos. Nos.	760 700 2100	14080
	1	Total Cost of Wiring and Raceways: WIRINGACESSORIES a) See pricing preambles / General Instructions. b) Cost of Industrial sockets shall be of complete set (male + female) c) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing following rating 250/500 volt switch socket outlet and all mounting accessories 3 pin, 5 Amp, 250 volt universal switch socket outlet 3 pin, 13 Amp, flat pin, 250 volt switch socket outlet 3 pin, 15 Amp, 250 volt switch socket outlet 32 Amp, 5PN+E Industrial socket outlet (surface, flanged type) male	16 2	Nos.	700 700	14000
	1 b	Total Cost of Wiring and Raceways: WIRINGACESSORIES 2) See pricing preambles / General Instructions. b) Cost of Industrial sockets shall be of complete set (male + female) c) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing following rating 250/500 volt switch socket outlet and all mounting accessories 3 pin, 5 Amp, 250 volt universal switch socket outlet 3 pin, 13 Amp, flat pin, 250 volt switch socket outlet 3 pin, 15 Amp, 250 volt switch socket outlet 32 Amp, SPN+E industrial socket outlet (surface, flanged type) male - female set	16 2	Nos. Nos.	760 700 2100	14080
	1 a b c	Total Cost of Wiring and Raceways: WiRING ACESSORIES 2 Particular Notes: a) See pricing preambles / General Instructions. b) Cost of Industrial sockets shall be of complete set (male + female) c) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing following rating 250/500 volt switch socket outlet and all mounting accessories 3 pin, 5 Amp, 250 volt universal switch socket outlet 3 pin, 13 Amp, flat pin, 250 volt switch socket outlet 3 pin, 15 Amp, 250 volt switch socket outlet 32 Amp, SPN+E industrial socket outlet (surface, flanged type) male - female set Providing and fixing following rating SP&N 250 / TP&N 500 volts	16 2	Nos. Nos.	760 700 2100	14060
	1 b	Total Cost of Wiring and Raceways: WiRING ACCESSORIES 2) See pricing preambles / General Instructions. b) Cost of Industrial sockets shall be of complete set (male + female) c) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing following rating 250/500 volt switch socket outlet and all mounting accessories 3 pln, 5 Amp, 250 volt universal switch socket outlet 3 pln, 13 Amp, flat pin, 250 volt switch socket outlet 3 pln, 15 Amp, 250 volt switch socket outlet 32 Amp, SPN+E industrial socket outlet (surface, flanged type) male -female set Providing and fixing following rating SP&N 250 / TP&N 500 volts weather proof load break switches / isolator, including whether	16 2	Nos. Nos.	760 700 2100	14060
	1 a b c	Total Cost of Wiring and Raceways: WIRINGACESSORIES 2 A See pricing preambles / General Instructions. b) Cost of Industrial sockets shall be of complete set (male + female) c) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing following rating 250/500 volt switch socket outlet and all mounting accessories 3 pin, 5 Amp, 250 volt universal switch socket outlet 3 pin, 13 Amp, flat pin, 250 volt switch socket outlet 3 pin, 15 Amp, 250 volt switch socket outlet 32 Amp, SPN+E industrial socket outlet (surface, flanged type) male - female set Providing and fixing following rating SP&N 250 / TP&N 500 volts weather proof load break switches / isolator, including whether proof sheet steel enclosure and all mounting accessories	16 2 2	Nos. Nos.	700 700 2100 3500	14080 11200 4200 7000
	1 a b c	Total Cost of Wiring and Raceways: WIRINGACESSORIES 2) See pricing preambles / General Instructions. b) Cost of Industrial sockets shall be of complete set (male + female) c) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing following rating 250/500 volt switch socket outlet and all mounting accessories 3 pin, 5 Amp, 250 volt universal switch socket outlet 3 pin, 13 Amp, flat pin, 250 volt switch socket outlet 3 pin, 15 Amp, 250 volt switch socket outlet 32 Amp, SPN+E industrial socket outlet (surface, flanged type) male - female set Providing and fixing following rating SP&N 250 / TP&N 500 volts weather proof load break switches / isolator, including whether proof sheet steel enclosure and all mounting accessories 20A, 250V, double pole isolator switch with neon indication (AC, air	16 2 2	Nos. Nos.	700 700 2100 3500	14080 11200 4200 7000
	1 b c d	Total Cost of Wiring and Raceways: WiRING ACCESSORIES 2) See pricing preambles / General Instructions. b) Cost of Industrial sockets shall be of complete set (male + female) c) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing following rating 250/500 volt switch socket outlet and all mounting accessories 3 pin, 5 Amp, 250 volt universal switch socket outlet 3 pin, 13 Amp, flat pin, 250 volt switch socket outlet 3 pin, 15 Amp, 250 volt switch socket outlet 32 Amp, SPN+E industrial socket outlet (surface, flanged type) male -female set Providing and fixing following rating SP&N 250 / TP&N 500 volts weather proof load break switches / isolator, including whether proof sheet steel enclosure and all mounting accessories 20A, 250V, double pole isolator switch with neon indication (AC, air curtain, water heater, etc.)	16 2 2	Nos. Nos.	760 700 2100	14080 11200 4200 7000
	1 b d	Total Cost of Wiring and Raceways: WiRING ACCESSORIES 2) See pricing preambles / General Instructions. b) Cost of Industrial sockets shall be of complete set (male + female) c) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing following rating 250/500 volt switch socket outlet and all mounting accessories 3 pin, 5 Amp, 250 volt universal switch socket outlet 3 pin, 13 Amp, flat pin, 250 volt switch socket outlet 3 pin, 15 Amp, 250 volt switch socket outlet 32 Amp, SPN+E industrial socket outlet (surface, flanged type) male -female set Providing and fixing following rating SP&N 250 / TP&N 500 volts weather proof load break switches / isolator, including whether proof sheet steel enclosure and all mounting accessories 20A, 250V, double pole isolator switch with neon indication (AC, air curtain, water heater, etc.) Providing and fixing following type 250 volts ceiling suspended,	16 2 2	Nos. Nos.	700 700 2100 3500	14080 11200 4200 7000
	1 b c d	Total Cost of Wiring and Raceways: WiRING ACCESSORIES 2) See pricing preambles / General Instructions. b) Cost of Industrial sockets shall be of complete set (male + female) c) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing following rating 250/500 volt switch socket outlet and all mounting accessories 3 pin, 5 Amp, 250 volt universal switch socket outlet 3 pin, 13 Amp, flat pin, 250 volt switch socket outlet 33 pin, 15 Amp, 250 volt switch socket outlet 32 Amp, SPN+E Industrial socket outlet (surface, flanged type) male - female set Providing and fixing following rating SP&N 250 / TP&N 500 volts weather proof load break switches / isolator, including whether proof sheet steel enclosure and all mounting accessories 20A, 250V, double pole isolator switch with neon indication (AC, air curtain, water heater, etc.) Providing and fixing following type 250 volts ceiling suspended, false ceiling mounted fan / exhaust fan, including all mounting	16 2 2	Nos. Nos.	700 700 2100 3500	14080 11200 4200 7000
	1 a b c d	Total Cost of Wiring and Raceways: WiRING ACCESSORIES Particular Notes: 3) See pricing preambles / General Instructions. b) Cost of Industrial sockets shall be of complete set (male + female) c) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing following rating 250/500 volt switch socket outlet and all mounting accessories 3 pin, 5 Amp, 250 volt universal switch socket outlet 3 pin, 13 Amp, flat pin, 250 volt switch socket outlet 3 pin, 15 Amp, 250 volt switch socket outlet 32 Amp, SPN+E industrial socket outlet (surface, flanged type) male -female set Providing and fixing following rating SP&N 250 / TP&N 500 volts weather proof load break switches / isolator, including whether proof sheet steel enclosure and all mounting accessories 20A, 250V, double pole isolator switch with neon indication (AC, air curtain, water heater, etc.) Providing and fixing following type 250 volts ceiling suspended, false ceiling mounted fan / exhaust fan, including all mounting accessories	16 2 2 2	Nos. Nos. Nos.	700 700 2100 3500	14080 11200 4200 7000
	1 2 3	Total Cost of Wiring and Raceways: WiRING ACCESSORIES Particular Notes: 3) See pricing preambles / General instructions. b) Cost of Industrial sockets shall be of complete set (male + female) c) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing following rating 250/500 volt switch socket outlet and all mounting accessories 3 pin, 5 Amp, 250 volt universal switch socket outlet 3 pin, 13 Amp, flat pin, 250 volt switch socket outlet 3 pin, 15 Amp, 250 volt switch socket outlet 32 Amp, SPN+E industrial socket outlet (surface, flanged type) male -female set Providing and fixing following rating SP&N 250 / TP&N 500 volts weather proof load break switches / isolator, including whether proof sheet steel enclosure and all mounting accessories 20A, 250V, double pole isolator switch with neon indication (AC, air curtain, water heater, etc.) Providing and fixing following type 250 volts ceiling suspended, false ceiling mounted fan / exhaust fan, including all mounting accessories 56" dia ceiling suspended fan with 12" long rod	16 2 2 2 1 1 1 1	Nos. Nos. Nos. No.	700 700 2100 3500 24500	14080 11200 4200 7000
	1 2 3	Total Cost of Wiring and Raceways: WiRING ACCESSORIES Particular Notes: 3) See pricing preambles / General instructions. b) Cost of Industrial sockets shall be of complete set (male + female) c) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing following rating 250/500 volt switch socket outlet and all mounting accessories 3 pin, 5 Amp, 250 volt universal switch socket outlet 3 pin, 13 Amp, flat pin, 250 volt switch socket outlet 3 pin, 15 Amp, 250 volt switch socket outlet 32 Amp, SPN+E industrial socket outlet (surface, flanged type) male -female set Providing and fixing following rating SP&N 250 / TP&N 500 volts weather proof load break switches / Isolator, including whether proof sheet steel enclosure and all mounting accessories 20A, 250V, double pole isolator switch with neon indication (AC, air curtain, water heater, etc.) Providing and fixing following type 250 volts ceiling suspended, false ceiling mounted fan / exhaust fan, including all mounting accessories 56" dia ceiling suspended fan with 12" long rod 18" dia wall bracket fan	16 2 2	Nos. Nos. Nos. Nos.	700 700 2100 3500 24500	14080 11200 4200 7000 24500 52 500 52 500
	1 2 3	Total Cost of Wiring and Raceways: WiRING ACCESSORIES Particular Notes: 3) See pricing preambles / General instructions. b) Cost of Industrial sockets shall be of complete set (male + female) c) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing following rating 250/500 volt switch socket outlet and all mounting accessories 3 pin, 5 Amp, 250 volt universal switch socket outlet 3 pin, 13 Amp, flat pin, 250 volt switch socket outlet 32 Amp, SPN+E industrial socket outlet (surface, flanged type) male -female set Providing and fixing following rating SP&N 250 / TP&N 500 volts weather proof load break switches / Isolator, including whether proof sheet steel enclosure and all mounting accessories 20A, 250V, double pole isolator switch with neon indication (AC, air curtain, water heater, etc.) Providing and fixing following type 250 volts ceiling suspended, false ceiling mounted fan / exhaust fan, including all mounting accessories 56" dia ceiling suspended fan with 12" long rod 18" dia wall bracket fan 8" plastic exhaust fan	16 2 2	Nos. Nos. Nos. No.	700 700 2100 3500 24500	14080 11200 4200 7000 24800 52 800 52 800
	1 2 3	Total Cost of Wiring and Raceways: WiRING ACCESSORIES 2) See pricing preambles / General Instructions. b) Cost of Industrial sockets shall be of complete set (male + female) c) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing following rating 250/500 volt switch socket outlet and all mounting accessories 3 pin, 5 Amp, 250 volt universal switch socket outlet 3 pin, 13 Amp, flat pin, 250 volt switch socket outlet 23 pin, 13 Amp, flat pin, 250 volt switch socket outlet 3 pin, 15 Amp, 250 volt switch socket outlet 32 Amp, SPN+E industrial socket outlet (surface, flanged type) male -female set Providing and fixing following rating SP&N 250 / TP&N 500 volts weather proof load break switches / isolator, including whether proof sheet steel enclosure and all mounting accessories 20A, 250V, double pole isolator switch with neon indication (AC, air curtain, water heater, etc.) Providing and fixing following type 250 volts ceiling suspended, false ceiling mounted fan / exhaust fan, including all mounting accessories 56" dia ceiling suspended fan with 12" long rod 18" dia wall bracket fan 8" plastic exhaust fan Providing and fixing following type pull boxes in 16swg sheet steel	16 2 2	Nos. Nos. Nos. Nos.	700 700 2100 3500 24500	14080 11200 4200 7000
	1 2 3	Total Cost of Wiring and Raceways: WiRING ACCESSORIES Particular Notes: 3) See pricing preambles / General instructions. b) Cost of Industrial sockets shall be of complete set (male + female) c) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing following rating 250/500 volt switch socket outlet and all mounting accessories 3 pin, 5 Amp, 250 volt universal switch socket outlet 3 pin, 13 Amp, flat pin, 250 volt switch socket outlet 32 Amp, SPN+E industrial socket outlet (surface, flanged type) male -female set Providing and fixing following rating SP&N 250 / TP&N 500 volts weather proof load break switches / Isolator, including whether proof sheet steel enclosure and all mounting accessories 20A, 250V, double pole isolator switch with neon indication (AC, air curtain, water heater, etc.) Providing and fixing following type 250 volts ceiling suspended, false ceiling mounted fan / exhaust fan, including all mounting accessories 56" dia ceiling suspended fan with 12" long rod 18" dia wall bracket fan 8" plastic exhaust fan	16 2 2	Nos. Nos. Nos. Nos.	700 700 2100 3500 24500	14080 11200 4200 7000 24800 52 800 52 800
	1 2 3	Total Cost of Wiring and Raceways: WiRING ACCESSORIES 2) See pricing preambles / General Instructions. b) Cost of Industrial sockets shall be of complete set (male + female) c) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing following rating 250/500 volt switch socket outlet and all mounting accessories 3 pin, 5 Amp, 250 volt universal switch socket outlet 3 pin, 13 Amp, flat pin, 250 volt switch socket outlet 23 pin, 13 Amp, flat pin, 250 volt switch socket outlet 3 pin, 15 Amp, 250 volt switch socket outlet 32 Amp, SPN+E industrial socket outlet (surface, flanged type) male -female set Providing and fixing following rating SP&N 250 / TP&N 500 volts weather proof load break switches / isolator, including whether proof sheet steel enclosure and all mounting accessories 20A, 250V, double pole isolator switch with neon indication (AC, air curtain, water heater, etc.) Providing and fixing following type 250 volts ceiling suspended, false ceiling mounted fan / exhaust fan, including all mounting accessories 56" dia ceiling suspended fan with 12" long rod 18" dia wall bracket fan 8" plastic exhaust fan Providing and fixing following type pull boxes in 16swg sheet steel	16 2 2	Nos. Nos. Nos. Nos.	700 700 2100 3500 24500 17500 17500 10500	14080 11200 1200 7000 24800 52 800 31 800
	1 2 3	Total Cost of Wiring and Raceways: WiRING ACCESSORIES Particular Notes: a) See pricing preambles / General instructions. b) Cost of Industrial sockets shall be of complete set (male + female) c) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing following rating 250/500 volt switch socket outlet and all mounting accessories 3 pin, 5 Amp, 250 volt universal switch socket outlet 3 pin, 13 Amp, flat pin, 250 volt switch socket outlet 3 pin, 15 Amp, 250 volt switch socket outlet 32 Amp, SPN+E industrial socket outlet (surface, flanged type) male -female set Providing and fixing following rating SP&N 250 / TP&N 500 volts weather proof load break switches / isolator, including whether proof sheet steel enclosure and all mounting accessories 20A, 250V, double pole isolator switch with neon indication (AC, air curtain, water heater, etc.) Providing and fixing following type 250 volts ceiling suspended, false ceiling mounted fan / exhaust fan, including all mounting accessories 56° dia ceiling suspended fan with 12° long rod 18° dia wall bracket fan Providing and fixing following type puil boxes in 16swg sheet steel with cover and knockouts for cable entry, including all mounting accessories etc. complete in all respects	16 2 2 1	Nos. Nos. Nos. Nos. Nos. Nos.	700 700 2100 3500 24500 17500 17500 10500	14000 11200 4200 7000 24800 52 800 21 800
	1 2 3	Total Cost of Wiring and Raceways: WiRING ACCESSORIES Particular Notes: a) See pricing preambles / General instructions. b) Cost of Industrial sockets shall be of complete set (male + female) c) Wiring Accessories shall be based on Clipsal C-Vivace series (white) Providing and fixing following rating 250/500 volt switch socket outlet and all mounting accessories 3 pin, 5 Amp, 250 volt universal switch socket outlet 3 pin, 13 Amp, flat pin, 250 volt switch socket outlet 3 pin, 15 Amp, 250 volt switch socket outlet 32 Amp, SPN+E industrial socket outlet (surface, flanged type) male -female set Providing and fixing following rating SP&N 250 / TP&N 500 volts weather proof load break switches / Isolator, including whether proof sheet steel enclosure and all mounting accessories 20A, 250V, double pole Isolator switch with neon Indication (AC, air curtain, water heater, etc.) Providing and fixing following type 250 volts ceiling suspended, false ceiling mounted fan / exhaust fan, Including all mounting accessories 56" dia ceiling suspended fan with 12" long rod 18" dia wall bracket fan 8" plastic exhaust fan Providing and fixing following type puil boxes in 16swg sheet steel with cover and knockouts for cable entry, Including all mounting	16 2 2 2 1 1 1 3 3 3 3 3	Nos. Nos. Nos. Nos.	700 700 2100 3500 24500	14080 11200 4200 7000 24500 52 500 31 500







AT KARACHI UNIVERSITY

IBA Institute of Business Administrate Karachi

Tender # CW/15/24-25

BILL OF QUANTITIES CHECK POST- MEP WORKS





IEA Institute of Business Administration Karachi

Tender # CW/15/24-25

BILL OF QUANTITIES

a.	CSR-24 Govt, of Sindit	Description 6	Φy.	Unit	Pate (PXX.)	Amount (PKR.)
	,	Supply, installation and connecting up of following type Cat6 multiport (RJ45) Jack patch panels including sleeve type labelling and all mounting accessories etc. complete in all respects 24 Port Patch Panel, including rear cable management		Nos.	10500	31500
		Front Cable Management Providing and fixing following type shuttered communication	3	Nos.	17500	52,50
	•	outlet including sleeve type labelling, identification tags and all accessories etc. complete in all respects.				115,50
	ь	Single Port, Cat6 RJ4S outlet Dual Port, Cat6 RJ4S outlet Supply, installation and connecting up of Cat6 patch cords with	11 13	Nos. Nos.	10500	136,5
		RJ4S/RJ4S plugs as follows; 1.0 m long 2.0 m long	11 13	Nas.	3500	38,5
	6	Supply, installation and connecting up of Rack mount 3 way power extension strip.	65 CO 1	Nos.	5600	1680
	7	Testing and Commissioning, including labelling of Data / Voice network and providing owner/consultant witnessed fluke test report (two copies, bounded) etc. complete in all respects.	100	dot	70,000	70,00
	s	VOICE CABLING SYSTEM Providing and fixing of following type of wiring in already laid raceway including termination at both ends, sheet steel back-box, and all accessories etc. complete in all respects as follows;				
		S pair CatSe cable from PTCL Cabinet to DeMarc block / TIB [Length mentioned is approximate only. Exact length to be confirmed as per site]		Rft	760	24,5
	9 .	5 pair CatSe cable from PABX - TIB Providing and fixing of following type of TIB / Main Cross Connect / MDF / IDF including wheather resistant sheet steel / PVC back- box, and all accessories etc. complete in all respects as follows;	20	Rft	700	14,00
		TIB 50 pair (110 type IDC wiring blocks) wall mounted (PVC enclosure)	1	No.	24,500	24,5
	ь	05 pair building entrance protector (gas tube based) installed in TIB Guard (Mandatory requirement) Providing and connecting up of factory made patch cords (non-	1	No.	17,500	
		plenum) as follows; Z pair CatSe 110-110 type plugs, 0.6m 4 pair CatSe 110-RU4S type FIBER OPTIC / INFRASTRUCTURE NETWORK	2 2	Nos. Nos.	17,500	35,0
	. 11	Providing, laying and connecting up of following type of fiber optic cable in already laid raceway including termination at both ends, and all accessories etc. complete in all respects as follows;				
		6 strand 9/125um OS-1 semi armoured single mode fiber optic cable Supply, installation and connecting up of following type multiport	130	Rft	700	91,00
	14	fiber optic patch panels including labelling and all mounting accessories etc. complete in all respects 12 Port FO Patch Panel, including management tray Providing, fixing and connecting up of following type fiber optic:	3	Nos.	700 19500 3500	31,500
	15	connectors with pigtails, including splicing labelling and all mounting accessories etc. complete in all respects			25.	100





REHABILITATION OF EXISTING METALLED ROAD





		CHECK POST- MEP WORKS				at a second
No.	CSR-24 Govt. of Sindh	Description	Qty.	Unit	Rate (PKRL)	Amount (PKR.)
	16	Supply and connecting up of following type of fiber optic patch cords Simplex SC - LC (or as applicable) 1 mtr. Fiber Patch Cord	3		3500	10.500
Min.	of of	Testing and Commissioning, including labelling of entire fiber optic	,	Nos.		10,500 35,000
	17	network and 'providing owner/consultant witnessed OTDR test report (two copies, bounded) etc. complete in all respects.	1	Job	35000	35,00
		Total Cost of Structure Cabiling:			Rs.	1,199,10
	PRINCE YOUR DO	EARTHING SYSTEM Particular Notes: a) See pricing preambles / General Instructions.				
		b) All earth pits shall be individually tested for value <=1 Ohm.				
. 12	í	Provding, fixing and commisioning of earth test point at various locations, including isolators, nuts bolts washers and all mounting accessories with green colored heat shrink sleeves, as follows;	14	45		
16	700.0	Providing and fixing of tinned copper earth bar 12" long, 1" wide and %" thick in Electric closet for system / genset earthing etc.	3	Nos.	10,500	31,50
	b	Providing and fixing of tinned copper earth bar 8" long, 1" wide and ½" thick in Server and UPS Rooms for rack earthing.	3	Nos.	17,500	52,50
	2	Equipotential bonding of all DB's racks, UPS, etc with 1C x 4 sqmm Cu/PVC cable connected to nearest earth test point including lugs, washers bolts etc. complete in all respects. Cable already covered in other section. Only services to be considered	'ı	Job	70,000	70,000
777		Total Cost of Earthing System:			Rs.	151
		Particular Notes; a) See pricing preambles / General Instructions.				154,00
	i	Supply, installation and commissioning of following type / size of Uninterruptible Power Supply (UPS) system, with minimum backup time of 15 minutes with maintenance free lead acid batteries, including all mounting accessories etc. complete in all respects				
	100	SkVA 1~In/1~out floor mount UPS (Eaton, APC or Equilent)	1	No.	210,000	210,00
		Total Cost of Miscellaneous items		1	Rs.	210,000
		SWITCHGEAL Particular Notes: a) See pricing preambles / General Instructions. b) Short-circuit ratings to IEC 947-2, Icu/Ics at 400V c) All components (ELCBs, Contactors etc.) are to be provided with backup protection d) DBs of Incoming size 100A or less may be provided with cascading e) Vendor shall be responsible for getting the DB's verified by consultant / 3rd party prior to dispatch to site. Cost of factory inspection including air travel, lodging, per diem charges shall be				admi.
		borne by the contractor		x	of Busin	





IEA Institute of Business Administration Karachin

Tender # CW/15/24-25

BILL OF QUANTITIES

S.No.	Govt of Sindly	Descriptions of the second of	Qty-	Unite	Rate (PKR.)	Amount (PKR.)
	1	Supply, installing, testing & commissioning of following distribution boards (made of 16 SWG sheet steel) with hinged doors and locks, including bus bars of tin plated copper conductor for phases, neutral and ground, of short circuit rating as mentioned below and all TP MCCBs shall also have minimum ultimate interrupting capacities (Icu) as mentioned in the drawings or more (All circuit breakers will be having co-ordination and selectivity properties for this system), with proper brass glands for incoming cables. All DBs are Flush / surface Mounted type and of suitable dimensions to fit-in the location / space shown on drawings. The contarctor shall take the dimensions of the site, prepare the shop drawing of DB / Panel and approval from the Consultant before manufacturing) and with following configuration (Maximum current density of each Phase, Neutral and Earth bus bar shall not be more than 1.5 Amp per sq. mm & arrangement / connections of bus bar will be as required. All of the MCBs & MCCBs will be having thermal as well as magnetic short circuit releases). MDB-IBA-G (Wall Mounted)	1	No.	140,000	(40,600 (40,000
	b.	DB-I8A-G-01 (Wall Mounted)	1	No.	140,000	Ilia coc
	c	DB-IBA-G-01 (Wall Mounted) Total Cost of Switchgear:	11	No.	140,000 Rs.	420,000
	1 2	Particular Notes: a) See pricing preambles / General Instructions. b) Video retention to be min 45 day at 25fps, HOD capacity to be confirgured accordingly Wiring for CCTV System from camera to recording equipment in Server / Security room with following / manufacturers recommended cable in appropriate size PVC conduit including all accessories etc. complete in all respects. From IP camera to appropriate floor patch panel in IT Rack (MDF / IDF) with Cat 6 UTP LSZH cable (23 AWG) Refixing and connecting up of following CCTV Cameras Including mounting and all accessories, complete in all respects.	16	Nos.		168,000 eady covered in Cabling® section
		4 MP (smoked dome type) IP Camera (cameras to be project series and not commercial series)	16	Nos.	6300	100,800
	3	Refixing and connecting up of NVR (raid capable) 16CH with recording of atleast 30 days for the above mentioned cameras also having frame rate and other specifications as mentioned on the drawling or instructed by the consultant, including system configuration and licenses for 3 concurrent sessions. (2x8TB HDD or higher as per recording requirement)	1	Na.	80,500	
		Providing and fixing of 24 port POE switch, including system	1	No.	24,500	24,500
	5	configuration etc. complete in all respects Providing, fixing and connecting up of 32" LCD Monitor in Security Room		No.	59,500	
	6	Testing and Commissioning of CCTV system including training of owner's personnel in the operation and maintenance of the equipment (All operation and maintenance manuals shall be submitted in triplicate).		Job	70,000	7
		Total Cost of IP C.C.T.V. System:			Rs.	503,20
227	100	TOTAL OF ELECTRICAL	13% 44	M. Jack	Rs.	4,209.8
	S. J. Self-vollage	TOTAL OF NON-SCHEDULE ITEMS	hotel mil	THE LOW	Rs.	5,684,70
47.						









リヨム Institute of Business Administra

Tender # CW/15/24-25

BILL OF QUANTITIES UNDER GROUND WATER TANK

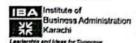
S.No.	Govt. of Sindfr:	Description	Qty.	Unit	(PKR.)	Amount (PKR.)
	(A)	SCHEDULE ITEMS		DIA H	THE DESIGNATION OF THE PERSON	THE HEALTH AND A
1		EXCAVATION FOR FOUNDATION	7/1			1
	Vol-III, Part-I, Ch.#1 Items #5,	Earth work excavation in irrigation channels, drains etc, dressed to designed section grades and profiles excavated material disposed				
	Page-15	off and dressed within 50 ft. (15 metre) lead				
		Ordinary Soil	630.00	Cft.	7.92	4,989.
	b.	Hard Soil	630.00	Cft.	10.14	6,388.
	-13	1	17.1	-		
2	Vol-III, Part-I.	LEAN CONCRETE				
	Ch.#4 Items #5,	Cement concrete plain including placing compacting, finishing and curing complete (including screining and washing at stone				100
	Page-24-25	aggregate without shuttering.				
	i.	Ratio. 1:3:6 Ratio. 1: 1 1/Z:3	31.00 15.00	Cft.	388.67	1Z,048.7
3	1 1 1	REINFORCED CEMENT CONCRETE	15.00	CIL.	502.17	7,532.5
	1 4 4	Reinforced cement concrete work including all labour and material				
	Vol-III, Part-I,	except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all				l
	Ch.#4 Items #6, Page-25	kinds of forms moulds lifting shuttering curing rendering and				
	rage-23	finishing the exposed surface (including screening and washing of shingle)				
		Bottom Slab(28 Mpa)	105.00	Cft.	<u> 2000</u>	
	ь	Wall(28 Mpa)	255.00	Cft.	717.59 717.59	75,346.9
		Top Slab(28 Mpa)	80	Cft.	717.59	18Z,985.4 57,407.2
4		PLASTER				
	Vol-III, Part-I,	Cement plaster 1:4 upto 12' height.				ľ
	Ch.#9 Items #11(c), Page-52	(c) 3/4" thick	340	Sft	53.82	18,298.8
	Value Para I					
5	Vol-III, Part-I, Ch.#11 Items #9,	Bitumen coating	****			
	Page-63	Biturnen coating to plastered or cement concrete surface.	1000	Sft	21.83	21,830.0
		STEEL REINFORCEMENT	-			
	Vol-III, Part-I,	Fabrication of deformed steel reinforcement for cement concrete				
6	Ch.#4 Items #8,	Including cutting, bending, laying in position, making joints and fastenings including cost of binding wire (also includes removeal of				
	Page-26	rust from bars.)				
		Grade-60	19.68			
	4-5-		23.00	Cwt	18934.02	372,621.5
7		Water Proffing				
	1	P/Applying Hi Bond (Sealer) water proofing polymer Modified comontitions sturries (WPMCS) to be used as water proofing,				ŀ
	Vol-III, Part-I,	anticorrosion, weater resistance or curring membranc for fresh		10 3		1 00
	Ch.#4 iterns #7(i), Page-25	concrete having thickness upto 2mm in two coats upto 20' height	405.00	Sft	56.71	22,967.5
	100013	testured or trowel finish grey or coloured I/c preparing the surface for application was directed by Engineer Inchare.				
		1		The st		
		2.2				
-		TOTAL OF SCHEDULE HEMS	0.0	-	Rs.	782,416.5
-	_	Premium / Rebate on Schedule Items (X) (-28%		0-	210-17

TOTAL OF SCHEDULE ITEMS WITH PREMIUM / REBATE





Tender # CW/15/24-25



BILL OF QUANTITIES

UNDER GROUND WATER TANK

		UNDER GROUND WATER TANK				
S.Na.	CSR-24 Gavt. of Sindle	Description	Qty.	Unit	Rate (PKR.)	Amount (PKR.)
757	(B)	NON-SCHEDULE ITEMS		THE PERSON		TEN DESCRIPTION
8	N.S	M.S RUNGS Providing fabricating and fixing of 20mm (3/4") dia G.I ladder/rungs in U.G water tank as shown in drawing painting with rust proof paint etc, complete in all respect as per specifications & relevant approved drawings, all works to the entire satisfaction and as directed by the Engineer	10	Nos.	5600	56,000
9	N.S	Swellable Bar Providing and fixing for construction joint in concrete, provide swellable bar approved as wall thickness, providing key in concrete and cost of the material and labor etc. complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.	40	Rft	3500	56,000
	11500		1			
		A 5				
	1 1000					
	- 15					
		*				****
				- ,		
	A The Marie	, TOTAL OF NON-SCHEDULE ITEMS	to the grant	2213-4	Rs.	196,000
	114.45	TOTAL OF (A+B)		especial plans	Rs.	759,340









Tender # CW/15/24-25 IIIA Institute of Business Administrate, Karachi

BILL OF QUANTITIES

SEPTIC TANK & SOAK PIT

S.No.	CSR-24 Govt. of Smith	Description	Qty	Unit	Hate (PKR.)	Amount (PKR.)
	(A)	SCHEDULE ITEMS	Children .		ALC: YARS	TO THE PERSON
1		EXCAVATION FOR FOUNDATION				
	Vol.III Dare I	Earth work excavation in irrigation channels, drains etc. dressed to				1
	Vol-III, Part-I, Ch.#1 Items #5,	designed section grades and profiles excavated material disposed				1
	Page-15	off and dressed within 50 ft. (15 metre) lead				1
	1 1/2/2					
		Ordinary Soil	1034.25	Cft.	7.92	8,191.
2	, 0.	Hard Soil	1034.25	Cft.	10.14	10,487.
-	Vol-III, Part-I,	Stone Filling	A MARK		1100	
	Ch.#4 Items #2,	Dry rammed brick or stone ballast 1 1/2" to		092025		
200	Page-24	2" gauge	440	Cft.	104.97	46,186
3		Lean Concret	- 1			7
	Vol-III, Part-I,	Cement concrete plain including placing compacting, finishing and				1 /2
	Ch.#4 Items #5, Page-24-25	curing complete (including screining and washing at stone		10.00		
	rage-24-23	aggregate without shuttering. Ratio. 1:3:6	1			ATT.
	II.		42.00	Cft.	388.67	16,324.
4		The state of the s	15.00	Cft.	502.17	7,532.
		REINFORCED CEMENT CONCRETE Reinforced cement concrete				
-		Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending				
	Vol-III, Part-I,	and binding which will be paid separately. This rate also includes all				
	Ch.#4 Items #6,	kinds of forms moulds lifting shuttering curing rendering and				
	Page-25	finishing the exposed surface (including screening and washing of				
		shingle)				
	a	Bottom Slab				il de la companya de
1	ь	Wall	105.00	Cft.	717.59	75,346.9
	c	Top Slab	255.00	Cft.	717.59	182,985.4
5	1200210-2-1	PLASTER	94.67	Cft.	717.59	67,931.8
	Vol-III, Part-I,	Cement plaster 1:4 upto 12' height.				
	Ch.#9 Items #11(c),	(c) 3/4" thick	340	Sft		
Jr. 1	Page-52			Sit	53.82	18,298.8
1	Vol-III, Part-I,					
6	Ch.#11 Items #9,	Bitumen coating	1000			
100	Page-63	Bitumen coating to plastered or cement concrete surface.	1000	Sft	21.83	21,830.0
	2		(A)			
		STEEL REINFORCEMENT			1	
.	Vol-III, Part-I,	Fabrication of deformed steel reinforcement for cement concrete including cutting, bending, laying in position, making joints and				
7	Ch.#4 Items #8,	fastenings including cost of binding wire (also includes remove a) of				
	Page-26	rust from bars.)	-			
	а.	Deformed bar				
	L.	Grade-60	19.69	Cwt	18934.02	
		· .			1004.02	372,716.9
8		Water Proffing				
		P/Applying Hi Bond (Sealer) water proofing polymer Modified				
	Vol.III Book I	comontitions slurries (WPMCS) to be used as water proofing,	1	97		
	Vol-III, Part-I, Ch.#4 Items #7(i),	anticorrosion, weater resistance or curring membranc for fresh	405.00			
	Page-25	concrete having thickness upto 2mm in two coats upto 20° height		Sft	56.71	22,967.5
		testured or trowel finish grey or coloured I/c preparing the surface				
		for application aas directed by Engineer Inchare.		-		
		4 9				
		TOTAL OF SCHEDULE ITEMS			Rs.	850,799.5
		Premium / Rebate on Schedule Items (28-0/	5)	Rs.	238.00
						and the second
1/2		TOTAL OF SCHEDULE ITEMS WITH PREMIUM / REBATE			Rs.	612 00









Tender # CW/15/24-25

IEJA Institute of Business Administration Karachi

BILL OF QUANTITIES

SEPTIC TANK & SOAK PIT

	Govt of Sindh	Description .	City.	Unit	Pate (PKH.)	Amount (PKR.)
	(3)	NON-SCHEDULE ITEMS				Carrier Late
9	N.S	M.S RUNGS Providing fabricating and fixing of 20mm (3/4") dia G.I ladder/rungs in U.G water tank as shown in drawing painting with rust proof paint etc, complete in all respect as per specifications & relevant approved drawings, all works to the entire satisfaction and as directed by the Engineer.	10	Nos.	5600	56,000
	12 - P V	A War A Maria			-, -	
10	N.S	Swellable Bar Providing and fixing for construction joint in concrete, provide swellable bar approved as wall thickness, providing key in concrete and cost of the material and labor etc. complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.	40	Rft	3500	140,000
n	N.S	BLOCK MASONARY Providing and laying 1:3:6 Cement concrete solid Block masorany wall above 6" in thickness set with open joints	770.00	Cft.	350	269,500
	141.2.2	TOTAL OF NON-SCHEDULE ITEMS	to december	108 10 A.J.	Rs.	465.500
	- 190 P. (Sara)	TOTAL OF (A+B)	71.00	restant of the	Rs.	1,078,075









Gross Total Amount for this Project	95,154,669)
Add 15 % SRB ON Gross Total Amount	14, 273, 200
Grand Total Amount Including SRB	109, 427,870

Grand Total Amount in Words:

Rupees: One Hundred Nine Million Four hundred Twenty Seven

Thousand Fight hundred & Seventy Rupees only



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