

**CONSTRUCTION OF INTERNAL DEVELOPMENT WORKS
(ROAD, WATER SUPPLY AND SEWERAGE)
SHAHEED MOHTERMA BENAZIR BHUTTO TOWN, DEH MANDIARI,
KEMARI TOWN, KARACHI, BLOCK-13
CONTRACT PACKAGE NO. SMBBT/KAR/KEMARI/INF-011**

BILL OF QUANTITIES

SUMMARY OF BILLS

BILL No.	DESCRIPTION	TOTAL (Rs.)
1.	ROAD WORKS	
2	SEWERAGE	
3	WATER SUPPLY	
	TOTAL COST OF PROJECT	

SEAL OF THE COMPANY

INITIAL

SIGNATURE OF BIDDER

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BILL OF QUANTITIES

Bill No. 1 : ROAD WORKS

Item #	Item Description	Unit	Estimated Qty.	Rate	Amount
101	Clearing & Grubbing	Sq.ft.	206,036	2.40	494,486
104	Compaction of Natural Ground	Sq.ft.	206,036	2.59	533,633
106a	Excavate Unsuitable Common Material	Cu.ft.	22,500	10.29	231,525
108a	Formation of embankment from roadway Excavation in common material	Cu.ft.	22,500	11.36	255,600
108c	Formation of Embankment from borrow Excavation in common material	Cu.ft.	666,196	12.76	8,500,661
109a	Sub grade preparation in earth cut	Sq.ft.	7,000	7.19	50,330
201	Granular Sub-base	Cu.ft.	70,122	43.63	3,059,423
206b	Water Bound Macadam Base with Coarse Aggregate Class B	Cu.ft.	70,122	54.62	3,830,064
304a	Single Surface Treatment including Bitumen prime coat	Sq.ft.	150,540	20.94	3,152,308
Total Bill No. 1 : ROAD WORKS					20,108,030
We Quote% above/below on schedule items					
Total Bill No. 1 : ROAD WORKS					

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BILL OF QUANTITIES

Bill No.2 : SEWERAGE

<i>Refrance</i>	Item.	Item Description	Unit	Estimated QTY	Rate	Amount
		PART-A (Schedule Items)				
	1	EXCAVATION				
Item #.A, 5, Pg. 62, PHEW, Chp. II, Vol. IV, Part VI- 2012	1.1	Excavation for pipe line in trenches, and pits in all kind of soils i/c trimming and dressing sides to true alignment and shape, leveling of beds of trenches to correct level and grade cutting joints holes and disposal of surplus earth with in a one chain as directed by the Engineering Incharge, providing fence guard light flags and temporary crossing for non vehicular traffic where ever required lift upto 5 ft (1.52 m) and lead upto one chain (30.5 m) 0'-0" to 5'-0"	%0Cft	123,984	4,650.00	576,526
	2	BACKFILLING				
Item # 24, Pg # 77 , PHEW, Chp. II, Vol. IV, Part VI	2.1	Refilling the excavated stuff in trenches in 6" thick layer including watering, ramming to full compaction etc complete.	%0Cft	120,267	2,760.00	331,937

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Bill No.2 : SEWERAGE

<i>Refrance</i>	<i>Item.</i>	<i>Item Description</i>	<i>Unit</i>	<i>Estimated QTY</i>	<i>Rate</i>	<i>Amount</i>
Item #.A, 5, Pg. 62, PHEW, Chp. II, Vol. IV, Part VI- 2012	3	CONSTRUCTION OF MANHOLE				
	3.1	EXCAVATION Excavation for tanks and reservoir in all kind of soils i/c trimming and dressing sides to true alignment/design section/profiles and shape, leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layer for construction of banks and dressing and disposal of surplus earth. with in a one chain as directed by the Engineering Incharge, providing fence guard light flags and temporary crossing for non vehicular traffic where ever required lift upto 5 ft (1.52 m) and lead upto one chain (30.5 m)				
		0'-0" to 5'-0"	%0Cft	20,715	4,650	96,325
Item # 5 i, Pg # 16 , Gernal, Chp.	4.1	CONCRETE WORKS Cement concrete plain including placing compacting, finishing and curing, complete including screening and washing of stone aggregate without shuttering. (Ratio 1:4:8)	%Cft	914	11,289	103,179
	4.2	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 seperately.This rate also includes all kinds of forms moulds lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle).RC work in roof slab,beams,columns rafts.Lintels and other structural members laid in situ or precast laid in position completed in all respected. Ratio (1:2:4) 90 Lbs cement 2Cft sand 4Cft shingle 1/8" to 1/4" gauge complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer. (Ratio 1:2:4)				
Item # 6 a(I), Pg # 17, Gernal, Chp. 4, Vol. III, Part II- CSR 2012		Wall/Bed	Per Cu.ft	7,258	337	2,445,946

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Bill No.2 : SEWERAGE

Refrance	Item.	Item Description	Unit	Estimated QTY	Rate	Amount
Item # 9, Pg # 71, Gernal, Chp. 4, Vol. III, Part II- CSR 2012	4.3	BITUMEN COATING Bitumen coating to plastered or cement concrete surface, complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer.	%Sft.	7,785	778	60,574.00
	4.4	STEEL REINFORCEMENT Providing and fabrication of steel reinforcement for cement concrete, including cutting, bending, laying in position, ranking joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars). The rate includes wastage, overlaps and chairs etc. Deformed bars (60,000 psi).				
Item # 8 b, Pg # 17, Gernal, Chp. 4, Vol. III, Part II- CSR 2012	4.4.1	b) Using Tor Bars	Per Cwt.	11	5,002	54,819
	4.5	Manufacturing and supply RCC manhole covers cast in 1:2:4 concrete ratio using SRC, 3 inch deep at center reinforced with 3/8" dia tor steel bars at 4" c/c welded to 1/8" thick 2.5 inch deep M.S plate including curing stacking and transportation with in 10 miles.				
Item #. 1, Pg # 31, PHEW, Chp. 17, Vol. III, Part V-B,	a) 21" dia		Each	137	914	125,167
	5	RCC PIPES				
Item #. B 1a, b, Pg # 17, PHEW, Chp. 17, Vol. IV,	5.1	Providing RCC pipe of ASTM C-76-62T/C-76-70 with rubbering class-II wall B and fixing in trenches including cutting fitting and jointing with rubber rings including testing with water to spcified pressure. (Using SR Cement)				
	i) 8in dia RCC		Rft	5,074	229	1,161,946
	i) 15in dia RCC		Rft	919	515	473,285
Item #. C 1, Pg # 56, PHEW, Chp. 17, Vol. IV, Part VI, 2012	i) 21in dia RCC		Rft	1,833	744	1,363,752
	6	GRANULAR BEDDING				
	6.1	Providing, spreading, and consolidating of granular bedding material of approved quality including watering etc .complete in all respect as per drawings and specification and as directed by the Engineer Incharge.	%Cft	14,153	3,410	482,617.00
Sub Total of Part of "A"						7,276,073
We Quote% above/below on schedule items						
Bill No.2: SEWERAGE						

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BILL OF QUANTITIES

Bill No.3 : WATER SUPPLY

<i>Refrance</i>	Item.	Item Description	Unit	Estimated QTY	Rate	Amount
		PART-A (Schedule Items)				
Item #.A, 5, Pg. 62, PHEW, Chp. II, Vol. IV, Part VI- 2012	1 1.1	EXCAVATION Excavation for pipe line in trenches, and pits in all kind of soils of murum i/c trimming and dressing sides to true alignment and shape, leveling of beds of trenches to correct level and grade cutting joints holes and disposal of surplus earth with in a one chain as directed by the engineers incharge providing fence guard light flags and temporary crossing for non vehicular traffic where ever required lift up tp 5 ft (1.52 m) and lead upto one chain (30.5 m)	%0Cft	40,115	4,650	186,535
Item # 29, Pg # 26, Gernal, Chp. 5, Vol. III, Part II- CSR 2012	2	SAND BEDDING Supply/Stacking and filling sand of approved quality from out side sources in foundation trenches including dressing,watering & consolidation..	%Cft	4,719	1,141	53,856.00
Item # 24, Pg # 77 , PHEW, Chp. II, Vol. IV, Part VI- CSR 2012	3	BACKFILLING Refilling the excavated stuff in trenches 6" thick layer i/c watering ramming to full compaction etc complete in all respect as per drawing and approval of the Engineer Incharge.	%0Cft	33,922	2,760	93,625
Item # E 2b,c & e Pg # 22, PHEW, Chp. 17, Vol. IV, Part VI, 2012	4 4.1	PIPES (uPVC) Providing uPVC pipes fixing in trench i/c cutting fitting and jointing with rubber ring (Z- joint) i/c testing with water to head 91.5 meter or 300 ft.	R ft.	4,195	107	448,865

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Bill No.3 : WATER SUPPLY

<i>Refrance</i>	Item.	Item Description	Unit	Estimated QTY	Rate	Amount
Item # 5 f, Pg # 16, Gernal, Chp. 4, Vol. III, Part II- CSR 2012	5	THRUST BLOCKS Cement Concrete Plain in 1:2:4 using SRC, including placing compacting finishing and curing complete in all respect as per drawing and approval of the Engineer Incharge				
			%Cft	74	14,429	10,678.00
Item # 5 f, Pg # 16, Gernal, Chp. 4, Vol. III, Part II- CSR	6	PIPE SURROUND Constructing of surround pipe and pipe support in concrete CC 1:2:4 using SRC, including cost of formwork and curing etc. complete in all respect as per instruction of engineer in charge and specification.				
			%Cft	1,194	14,429	172,285.00
		Sub-Total (Part-A)				965,844

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