

**INTERNAL DEVELOPMENT WORKS  
(ROAD, WATER SUPPLY AND SEWERAGE)  
SHAHEED MOHTERMA BENAZIR BHUTTO TOWN, SEHWAN  
CONTRACT PACKAGE NO. SMBBT/SWN/INF-002**

**BILL OF QUANTITIES**

**SUMMARY OF BILLS**

<b>BILL No.</b>	<b>DESCRIPTION</b>	<b>TOTAL (Rs.)</b>
1	ROAD WORKS	
2	SEWERAGE	
3	WATER SUPPLY	
4	CIVIL WORK GATE OFFICE	
5	ELECTRICAL	
6	ENGINEER'S FACILITIES	
	<b>TOTAL COST OF PROJECT</b>	

<b>SEAL OF THE COMPANY</b>
<b>INITIAL</b>

\_\_\_\_\_  
**SIGNATURE OF BIDDER**

**INTERNAL DEVELOPMENT WORKS  
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CONTRACT PACKAGE NO. SMBBT/SWN/INF-002**

**BILL OF QUANTITIES**

**Bill No. 1 : ROAD WORKS**

Item #	Item Description	Unit	Estimated Qty.	Rate	Amount
101	Clearing & Grubbing	Sq.ft.	346,670	2.34	811,208
1	Compaction of Natural Ground	Sq.ft.	346,670	2.57	890,942
106a	Excavate Unsuitable Common Material	Cu.ft.	781,198	10.28	8,030,711
106(b ii)	Excavate Unsuitable Medium rock Material)	Cu.ft.	195,299	24.66	4,816,083
108c	Formation of Embankment from borrow Excavation in common material	Cu.ft.	782,748	12.66	9,909,590
109a	Sub grade preparation in earth cut	Sq.ft.	12,000	7.15	85,800
201	Granular Sub-base	Cu.ft.	100,277	48.34	4,847,390
202	Aggregate Base Course	Cu.ft.	23,558	61.23	1,442,456
305b	Asphaltic Wearing Course - Class B	Cu.ft.	5,978	577.31	3,451,159
206b	Water Bound Macadam Base with Coarse Aggregate Class B	Cu.ft.	78,843	58.52	4,613,892
302a	Cut Back Asphalt for Bituminous Prime Coat	Sq.ft.	35,160	11.39	400,472
304a	Single Surface Treatment including Bitumen prime coat	Sq.ft.	157,686	21.47	3,385,518
401b	Concrete Class "B" (For Edge Block )	Cu.ft.	778	320.61	249,435
<b>Total Bill No. 1 : ROAD WORKS</b>					<b>42,934,656</b>
<b>We Quote .....% above/below on schedule items</b>					
<b>Total Bill No. 1 : ROAD WORKS</b>					

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**INTERNAL DEVELOPMENT WORKS**  
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**BILL OF QUANTITIES**

**Bill No.2 : SEWERAGE**

Refrence	Item.	Item Description	Unit	Estimated	Rate	Amount
		<b>PART-A (Schedule Items )</b>				
	<b>1</b>	<b>EXCAVATION</b>				
Item #.A, 5, Pg. 62, PHEW, Chp. II, Vol. IV, Part VI- 2012	<b>1.1</b>	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	142,330	4,650.00	661,835
Item #.A, 5, Pg. 62, PHEW, Chp. II, Vol. IV, Part VI- 2012	<b>1.1</b>	Excavation for pipe line in trenches, and pits in all kind of rock 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)  0'-0" to 5'-0"	%0Cft	35,582	10,770.00	383,218
Item # A-16, Pg # 74 , PHEW Chn		Add for extra lift of every 3ft of part there of in item of all kinds of excavation 5ft to 8ft				
	<b>1.1.1</b>	5ft to 8ft	%0Cft	23,230	5,200.00	120,796
	<b>1.1.2</b>	8ft to 11ft	%0Cft	1,555	5,750.00	8,941
	<b>2</b>	<b>BACKFILLING</b>				
Item # 24, Pg # 77 , PHEW, Chp. II, Vol. IV, Part VI	<b>2.1</b>	Refilling the excavated stuff in trenches in 6" thick layer including watering, ramming to full compaction etc complete.	%0Cft	184,320	2,760.00	508,723
	<b>3</b>	<b>DEWATERING</b>				
Item #23 i, Pg # 76 , PHEW, Chp. II, Vol. IV, Part VI- CSR 2012	<b>3.1</b>	Dewatering of trenches including cost of all labour, material and equipment/machinery POL required for dewatering of trenches, also including the cost of disposal of water to suitable place etc complete in all respect as per specification and directed by the Engineer Incharge (provisional).				
			Days	30	1,500.00	45,000

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**Bill No.2 : SEWERAGE**

Refrance	Item.	Item Description	Unit	Estimated	Rate	Amount
Item #.A, 5, Pg. 62, PHEW, Chp. II, Vol. IV, Part VI- 2012	<b>4</b>	<b>CONSTRUCTION OF MANHOLE</b>				
	<b>4.1</b>	<b>EXCAVATION</b>				
		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	21,253	4,650.00	98,826
Item #.A, 5, Pg. 62, PHEW, Chp. II, Vol. IV, Part VI- 2012	<b>1.1</b>	Excavation for pipe line in trenches, and pits in all kind of rock 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)				
		0'-0" to 5'-0"	%0Cft	5,313	10,770.00	57,221
		Add for additional lift of every three ft. or part there of in item No. 1 to 15 ( A & B ) for excavation for pipeline & storage tanks main hole trenches and pits				
	<b>4.1.1</b>	5'-0" to 8'-0"	%0Cft	4,806	5,200.00	24,991
Item # A-16, Pg # 74 , PHEW, Chp. II, Vol. IV, Part VI-	<b>4.1.2</b>	8'-0" to 11'-0"	%0Cft	2,422	5,750.00	13,927
	<b>4.2</b>	<b>CONCRETE WORKS</b>				
		Cement concrete plain including placing compacting, finishing and curing, complete including screening and washing of stone aggregate without shuttering. <b>(Ratio 1:4:8)</b>	%Cft	1,328	11,288.75	149,915
	<b>4.2.1</b>	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. <b>Ratio (1:2:4)</b> 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. <b>(Ratio 1:2:4)</b>				
Item # 6 a(I), Pg # 17, Gernal, Chp. 4, Vol. III, Part II- CSR 2012		Wall/Bed	Per Cu.ft	18,653	337.00	6,286,061

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**BILL OF QUANTITIES**

**Bill No.2 : SEWERAGE**

<i>Refrence</i>	<i>Item.</i>	<i>Item Description</i>	<i>Unit</i>	<i>Estimated</i>	<i>Rate</i>	<i>Amount</i>
Item # 9, Pg # 71, Gernal, Chp. 4, Vol. III, Part II- CSR 2012	<b>4.3</b>	<b>BITUMEN COATING</b> 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.	18,894	778.09	147,012.00
Item # 8 b, Pg # 17, Gernal, Chp. 4, Vol. III, Part II- CSR 2012	<b>4.4</b>	<b>STEEL REINFORCEMENT</b> 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).				
	<b>4.4.1</b>	b) Using Tor Bars	Per Cwt.	53	5,001.70	265,090
Item # B 1, Pg # 56, PHEW, Chp.	<b>4.5</b>	<b>WATER STOPPER</b> Providing " expansion joint" in concrete work of 9" wide corugated PVC water Stoper ( with Bulb ) i/c Soldring cost of matrial and labour etc. complete.				
			R.ft	3,158	463.00	1,462,154
Item #. 1, Pg # 31, PHEW, Chp. 17, Vol. III, Part V-B,	<b>4.6</b>	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.				
		a) 21" dia	Each	199	913.63	181,812
Item #. B 1a, b, Pg # 17, PHEW, Chp. 17, Vol. IV,	<b>5</b>	<b>RCC PIPES</b>				
	<b>5.1</b>	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	8,783	229.00	2,011,307
		ii) 6in dia RCC	Rft	1,512	189.00	285,768
Item #. C 1, Pg # 56, PHEW, Chp. 17, Vol. IV, Part VI, 2012	<b>6</b>	<b>GRANULAR BEDDING</b>				
	<b>6.1</b>	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	15,004	3,410.00	511,636.00
		<b>Sub Total of Part of "A"</b>				<b>13,224,233</b>
		<b>We Quote .....% above/below on schedule items</b>				
		<b>Bill No.2: SEWERAGE</b>				

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**BILL OF QUANTITIES**

**Bill No.3 : WATER SUPPLY**

<i>Refrance</i>	<b>Item.</b>	<b>Item Description</b>	<b>Unit</b>	<b>Estimated</b>	<b>Rate</b>	<b>Amount</b>
		<b>PART-A (Schedule Items )</b>				
Item #.A, 5, Pg. 62, PHEW, Chp. II, Vol. IV, Part VI- 2012	<b>1</b>	<b>EXCAVATION</b>				
	<b>1.1</b>	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	94,065	4,650.00	437,402
Item #.A, 5, Pg. 62, PHEW, Chp. II, Vol. IV, Part VI- 2012	<b>1.2</b>	Excavation for pipe line in trenches, and pits in all kind of rock 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	23,517	10,770.00	253,278
Item # 29, Pg # 26, Gernal, Chp. 5, Vol. III, Part II- CSR 2012	<b>2</b>	<b>SAND BEDDING</b> Supply/Stacking and filling sand of approved quality from out side sources in foundation trenches including dressing,watering & consolidation..	%Cft	15,505	1,141.25	176,951.00
	<b>3</b>	<b>BACKFILLING</b> 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	101,149	2,760.00	279,171
Item # E 2b,c & e Pg # 22, PHEW, Chp. 17, Vol. IV, Part VI,	<b>4</b>	<b>PIPES (uPVC)</b> 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.				
	<b>4.1</b>	3" dia (Class C)	R ft.	6,893	107.00	737,551
	<b>4.2</b>	4" dia (Class C)	R ft.	5,114	174.00	889,836
	<b>4.3</b>	6" dia (Class C)	R ft.	299	373.00	111,527

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**BILL OF QUANTITIES**

**Bill No.3 : WATER SUPPLY**

<i>Refrance</i>	<b>Item.</b>	<b>Item Description</b>	<b>Unit</b>	<b>Estimated</b>	<b>Rate</b>	<b>Amount</b>
Item # 5 f, Pg # 16, Gernal, Chp. 4, Vol. III, Part II- CSR 2012	<b>5</b>	<b>THRUST BLOCKS</b> 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	564	14,429.25	81,381.00
Item # 5 f, Pg # 16, Gernal, Chp. 4, Vol. III, Part II- CSR	<b>6</b>	<b>PIPE SURROUND</b> 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	5,440	14,429.25	784,951.00
		<b>Sub-Total (Part-A)</b>				<b>3,752,048</b>

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**BILL OF QUANTITIES**

**Bill No.3 : WATER SUPPLY**

<i>Refrance</i>	<b>Item.</b>	<b>Item Description</b>	<b>Unit</b>	<b>Estimated</b>	<b>Rate</b>	<b>Amount</b>
		<b>PART-B (Non - Schedule Items )</b>				
	<b>1</b>	<b>FITTINGS (uPVC)</b> Providing and fixing ,uPVC Bell End fitting with rubber ring (Z-joint ), with no welded joint, compatible to BSS etc in trenches to correct alignment and grade complete in all respect as indicated in the drawing and specifications and all other accessories and equipment required for laying and jointing testing etc.				
	<b>1.1</b>	<b>TEE (EQUAL &amp; UNEQUAL)</b>				
	i)	4" X 4" X 4"	Nos	4		
	ii)	4" X 4" X 3"	Nos	18		
	iv)	3" x 3" x 3"	Nos	12		
	v)	6" x 6" x 6"	Nos	1		
	vi)	6" x 6" x 3"	Nos	1		
	<b>1.2</b>	<b>END PLUG (Provisional)</b>				
	i)	3" dia	Nos	40		
	ii)	4" dia	Nos	13		
	iii)	6"dia	Nos	8		
	iii)	8"dia	Nos	5		
	<b>1.3</b>	<b>REDUCERS</b>				
	i)	4"X 3"	Nos	3		
	ii)	6"X 4"	Nos	1		
	iii)	8"X 6"	Nos	1		
		<b>Sub Total of Part of "B"</b>				
		<b>Sub Total of Part of "A"</b>				<b>3,752,048</b>
		<b>We Quote .....% above/below on schedule items</b>				
		<b>Bill No.3: WATER SUPPLY (Total of Part of "A" and "B")</b>				

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CONTRACT PACKAGE NO. SMBBT/SWN/INF-002**

**BILL OF QUANTITIES**

**Bill No.4: CIVIL WORKS ENTRANCE GATE**

Sr. No	ITEMS REF. No	DESCRIPTION	QTY	UNIT	RATES (Rs.)	AMOUNT
<b>1</b>	<b>PART-A (SCHEDULE ITEMS)</b>	<b>All items under this head to be carried out as per specifications, Drawings, relevant BSI/ASTM Standards, complete in all respect to the entire satisfaction of the Employer, and following Sections of the Technical</b>				
		<b>EARTHWORK</b>				
1	18(b & c)/P-4,5 Vol-III, Part-II	Excavation in foundation of building, bridges and other structures including dagbelling dressing refilling around structure with (suitable) excavated earth watering, ramming complete and disposal of surplus excavated material to designated area i/c all lead & lift.etc, complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer.	470	%O Cft	3,659.04	1,720
		b) In Ordinary Soil	160	%O Cft	4,099.48	656
		c) In Hard Soil or Soft murum				
2	22/P-5 Vol-III, Part-II	Filling watering and ramming earth under floor with new earth excavated from outside lead upto one chain and lift upto 5 feet.	215	%O Cft	4,167.24	896
		<b>CONCRETE WORKS</b>				
3	5(a) /P-18 Vol-III, Part-II	Cement concrete plain including placing compacting,finishing and curing, complete (including screening and washing of stone aggregate without shuttering. <i>(Ratio 1:4:8)</i>				
		i) Below foundation, plinth beam and floor etc.	50	% Cft	12,095.16	6,048
		ii) Below floor finish	5	% Cft	12,095.16	605
4	6(ai) /P-18,19 Vol-III, Part-II	<b>REINFORCED CEMENT CONCRETE (SU</b> 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. <i>(Ratio 1:2:4)</i>				
		i) Footing	115	Per Cft	319.20	36,708
		ii) Column upto Plinth Level	100	Per Cft	319.20	31,920
		iii) Plinth Beam	35	Per Cft	319.20	11,172
		<b>REINFORCEMENT</b>				
5	7(b) /P-20 Vol-III, Part-II	Fabrication of mild 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.)				
		b) Using Tor Bars <i>(Reinforcement of Sub Structure)</i>	13	Per Cwt	7,763.14	100,921

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**BILL OF QUANTITIES**

**Bill No.4: CIVIL WORKS ENTRANCE GATE**

Sr. No	ITEMS REF. No	DESCRIPTION	QTY	UNIT	RATES (Rs.)	AMOUNT
6	92 /P-115 Vol-III, Part-II	<b>TERMITE PROOFING</b> Providing Anti-termite treatment by spraying/sprinkling/spreading <i>Neptach</i> lar 0.5% Emulsion as an over all preconstruction treatment in slab type construction under the slab and along attach porches or entrances etc, complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer. ( <i>Plinth area will be measured one time for payment whereas the number of applications will be three times on all horizontal &amp; vertical surfaces of the excavations for termite proofing</i> ).	100	Per Sft	11.65	1,165
7	9/P-77 Vol-III, Part-II	<b>BITUMEN COATING</b> 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 i) Over Blinding ii) On structures side and top	70 560	% Sft % Sft	525.17 525.17	368 2,941
8	6(ai) /P-18,19 Vol-III, Part-II	<b>REINFORCED CEMENT CONCRETE (SU)</b> 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. ( <b>Ratio 1:2:4</b> )  i) Columns ii) Roof Beams & lintels iii) Roof Slab	295 260 290	Per Cft Per Cft Per Cft	319.20 319.20 319.20	94,164 82,992 92,568
9	7(b) /P-20 Vol-III, Part-II	<b>REINFORCEMENT</b> Fabrication of mild 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.) b) Using Tor Bars ( <b>Reinforcement of Super-Structure</b> )	46	Per Cwt	7,763.14	357,104
10	5(i)c /P-25 Vol-III, Part-II	<b>MASONRY WORK</b> <b>Brick Masonry walls</b> Provide and laying <b>Pacca Brick work masonrary</b> wall of all thickness set in <b>1:4</b> cement sand mortar in <b>ground floor super structure</b> including racking out joints & curing etc. complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer.	230	% Cft	12,688.06	29,183

## BILL OF QUANTITIES

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**BILL OF QUANTITIES**

**Bill No.4: CIVIL WORKS ENTRANCE GATE**

Sr. No	ITEMS REF. No	DESCRIPTION	QTY	UNIT	RATES (Rs.)	AMOUNT
<b>PART-B (NON-SCHEDULE ITEMS)</b>						
15	RA	Providing and laying stone soling 6" thick from approved quarry including hand packing & filling voids with sprawls & chips, consolidating & compacting with power or hand roller, etc, complete in all respect, as per specifications & relevant drawings and all works to be carried out the satisfaction of the Engineer.	60	Sft		
16	RA	Providing, making and fixing in position steel barrier manually operated as per drawing including enamel paint , required hardware etc complete in all respect as per drawing, specifications and to the entire satisfaction of the Engineer.	1	Nos		
17	R.A	Lettering on Crown over Rcc slab parapet	42	Sft		
<b>Total Amount of Non-Schedule Items Part-B Rs.</b>						
<b>Total of Part-A Rs.</b>						<b>1,062,812</b>
<b>We Quote .....% above/below on schedule items</b>						
<b>Total of Part-A+B Rs.</b>						
<b>Total Bill No.4: CIVIL WORKS ENTRANCE GATE</b>						

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**INITIAL**

**SIGNATURE OF BIDDER**

**INTERNAL DEVELOPMENT WORKS  
(ROAD, WATER SUPPLY AND SEWERAGE)  
SHAHEED MOHTERMA BENAZIR BHUTTO TOWN, SEHWAN  
CONTRACT PACKAGE NO. SMBBT/SWN/INF-002**

**BILL OF QUANTITIES**

**Bill No.5: ELECTRICAL WORKS**

Item No.	Item Description	Unit	Estimated Quantity	Rate (Rs.)	Amount (Rs.)
1	<b>L.V. SWITCH BOARDS / DISTRIBUTION BOARDS</b>				
1.01	Supply, installation, testing & commissioning of following wall mounting recessed type Distribution Boards (DB's) made with 16 SWG sheet metal, dust protected (IP 65 or higher), vermin proof housing coated with approved color having all the necessary switching and protections, as per specification complete in all respect. i) DB-G	Nos.	1		
02	<b>CONDUITS &amp; PIPES</b>				
02.01	Supply & installation of following PVC / M.S. / G.I conduit as race ways with all accessories recessed/ surface on wall / column / under floor for Power, Tel & Data, Fire alarm, CCTV, etc. As per relevant specification, complete in all respect. i) 25 mm dia PVC pipe	RM	70		
2.02	Providing and laying of following size uPVC class D conduit for LV power cables buried in ground / under roads / under floor, including excavation for laying of conduit, bricks, warning tape, and backfilling with new and fresh soil etc. as per specification. and as shown on drawing complete in all respect. i) 50mm dia uPVC	RM	10		
3	<b>LIGHTING FIXTURES &amp; WIRINGS</b>				
3.01	Supply, installation, testing and commissioning of following light fixtures complete with starters, Electronic ballast (mention otherwise), lamps, mounting accessories etc. complete in all respects. Lighting fixtures Sample must be submitted to consultant for approval, (For complete detail references of Light Fixtures, please refer to Light Fixture Schedules).				
	i) Surface mounted weather proof downlight fixture with 1 x 26 W CFL lamp	Nos.	12		
	ii) Flood light fixture with 1x400W SON-T lamp	Nos.	2		
3.02	Supply, laying, testing and commissioning of following wiring items complete with cables & wires, conduiting accessories, with 3x2.5sqmm cable from DB to fixture in 25 mm dia PVC conduits as per drawings and specifications, complete in all respects.	Nos.	3		
3.03	Supply, installation, testing & commissioning of wiring from light point to point with 3x2.5 sq.mm. single core PVC insulated wires in 25 mm dia. PVC conduit surface / recessed in wall, column, ceiling, etc., including related civil works, complete with all conduit accessories as per specification.	Nos.	3		
<b>Total Bill No.5: ELECTRICAL WORKS</b>					

**SEAL OF THE COMPANY**

**INITIAL**

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**INTERNAL DEVELOPMENT WORKS  
(ROAD, WATER SUPPLY AND SEWERAGE)  
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CONTRACT PACKAGE NO. SMBBT/SWN/INF-002**

**BILL OF QUANTITIES**

**BILL NO. 6: ENGINEER'S FACILITIES**

Item No.	Item Description	Unit	Estimated Quantities	Rate (Rs.)	Amount (Rs.)
1 ( a )	Engineer's Office cum Housing Provide Engineer's Two Room Office cum Housing (Rental)	Per Month.	10		
1 2 ( a )	Engineer's Vehicles Providing Engineer's Vehicles including Fuel and maintenance (Rental Basis) ● 1000cc Car A/C (01 No.) for Engineer's	Per Month	10		
<b>TOTAL BILL NO. 6 : ENGINEER'S FACILITIES</b>					

**SEAL OF THE COMPANY**

**INITIAL**

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**SIGNATURE OF BIDDER**