

BILL OF QUANTITIES

CONSTRUCTION OF FLY-OVER BRIDGE AT HAIDER CHOWK, HYDERABAD
SUMMARY

BILL No.	DESCRIPTION	AMOUNT (PKR)
1	Roadworks	
2	Structures	
	Total (1+2) Bid Price:	

Bill 01: Roadworks

SR. #	NHA CSR Pay Item No.	Description	Unit	Qty	Rate	Amount (PKR)
1	209a	Breaking of existing road pavement structure.	Cu.m	2114		
2	104	Compaction of natural ground.	Sq.m	4961		
3	107e	Common back fill.	Cu.m	444		
4	201	Granular subbase.	Cu.m	810		
5	202ii	Aggregate base course (with grader).	Cu.m	810		
6	302a	Cut-back asphalt for bituminous prime coat.	Sq.m	6929		
7	203b	Asphaltic base course plant mix (class "b").	Cu.m	412		
8	303a	Cut-back asphalt for bituminous tack coat.	Sq.m	6929		
9	305b	Asphaltic concrete for wearing course (class "b").	Cu.m	416		
10	601di	Precast curb in concrete class a-1 of size 450x150 mm incl. Bedding & haunching.	m	1575		
11	310a	Jointed plain concrete pavement (jpcp) using minimum 5000 psi class concrete laid through concrete paver including transverse and longitudinal joints formation, expansion caps and filling with sealant complete in all respects excluding reinforcement (dowel/tie bars).	Cu.m	242		
12	608h2	Pavement marking in reflective tp paint for lines of 15 cm width.	m	2984		
13	609c	Reflectorised aluminum pavement stud (raised profile type - single) 100 mm x100 mm.	Each	178		
14	SP01	Providing and fixing of solar Street Light fitting Volt 220 W 70AH/3.2 V battery, Solar panel with philips LEDs having Luminaries Size of MM10870 x 215x 45 on 25 feet long MS Pole Size (4"-10'x3"-10'x 2.5"-5') schedule between 10 to 12	Each	30		

		Guage i/c welded MS base plate size 14"x14"x1/2" fitted & embedding stud rods foundation (4 Nos 4'-6" long) on Reinforced Cement Concrete RCC of Size (14"x14"x36") on Lean 1:4:8 CC bed of 4", i/c cost of excavation of size (2'x2'x2-6") Complete in all aspects as approved by the Engineer Incharge.				
Total Amount in PKR						

Bill 02: Structures

SR. #	NHA CSR Pay Item No.	Description	Unit	Qty	Rate	Amount (PKR)
1	107b	Structural excavation in common material below water level (where dewatering is performed by pump for structures only)	Cu.m	2666		
2	107ci	Structural excavation in hard rock material	Cu.m	400		
3	107e	Common back fill in structures	Cu.m	1279		
4	107d	Granular back fill in structures	Cu.m	909		
5	401f	Lean concrete	Cu.m	135		
		Concrete class A3				
6	401a3i	i) Underground (Piles)	Cu.m	572		
7	401a3ii	ii) on ground (Pilecap, RW Base slab, Approach slab)	Cu.m	840		
8	401a3iii	iii) Elevated (Pier, Abt. Front wall, Back wall, retaining wall, Curtain & Wing wall)	Cu.m	808		

		Concrete class A3				
9	401a3iii	i) Elevated (Top Slab, Diaphragms)	Cu.m	529		
10	401di	Concrete Class D2 in precast prestressed concrete Box/tub girders.	Cu.m	777		
11	401dii	Concrete Class D1 in precast prestressed concrete Box girders.	Cu.m	230		
12	405	Launching of P.C. Girders	Ton	1866		

13	401a	Concrete Class A1 in barrier	Cu.m	211		
----	------	------------------------------	------	-----	--	--

14	404b	Reinforcement in superstructure as per AASHTO M31. 404b. Grade 60	Ton	721		
----	------	--	-----	-----	--	--

15	405a	Prestressing Steel (Strands) in prestressed concrete box girders	Ton	31		
----	------	--	-----	----	--	--

16	406cvii	65mm expansion joint-nosing-molded vulcanized elastomeric single section (one piece mono block) imported (West asian make)	m	64		
----	---------	--	---	----	--	--

17	406ei	Elastomeric bearing pads (according to size and thickness) imported (west asian make)	Cu. cm	520000		
18	SP1	Pot Bearings	Each	8		
19	407(iii)	Cast in place piles > 0.8m upto 1m dia in normal soil (Boring only)	m	1680		
20	407(iv)	Cast in place piles > 0.8m upto 1m dia in Gravel strata (Boring only)	m	100		
21	407t	Pile load test upto 800 Ton	Each	1		
22	604a	Metal guard Rail	m	788		
23	SP-2	Providing and fixing uPVC drain pipe in deck slab of following dia @ 5 m c/c .Complete in all respect as per drawings, specifications or as directed by the Engineer.75mm	m	16		
24	407 Ki	Confirmatory boring in soil strata (760mm dia) including testing and reporting	m	25.00		
25	407 Kii	Confirmatory boring in gravel strata (760mm dia) including testing and reporting	m	20		
26	407 Kiii	Confirmatory boring in Rock strata (760mm dia) including testing and reporting	m	10		
27	407 I	Permenant Pile casing for Piles	Ton	1		
28	SP-3	Pile integrity testing	Each	1		
Total Amount in PKR						

