

SINDH COAL AUTHORITY

**VARIOUS NEW ROADS LINKS, BYPASSES & IMPROVEMENT/WIDENING/REHABILITATION OF
EXISTING ROADS IN DISTRICTS THARPARKAR AND MIRPURKHAS**

Contract Package B: Construction of Bypass for relocation

**Islamkot Jhangra road by passing villages Sivi jo Tar and Katran due to Construction of Gunaro Pond
(12km)- ADP 2232/2016-17**

BILL OF QUANTITIES

SUMMARY

BILL No.	DESCRIPTION	AMOUNT (PKR)
1	Earthworks	
2	Sub base and Base Courses	
3	Surface Courses	
4	Culverts	
5	Drainage And Protection Works	
6	Ancillary Works	
7	Engineer's Facilities	
A	Sub Total of Bills	
B	Day Work	
C	Bid Price (A+B) Carried Forward to Form of Bid	

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BILL OF QUANTITIES

Bill 1 - EARTHWORKS						
Sr No.	Spec Ref	ITEM DESCRIPTION	UNIT	QUANTITY	RATE (PKR)	AMOUNT (PKR)
1.1	101	Clearing and Grubbing	SM	227,360		
1.2	104	Compaction of Natural Ground	SM	227,360		
1.3	106a & 106 (c)	Excavate unsuitable/ surplus Common Material	CM	182,882		
1.4	108a	Formation of Embankment From Road Way Excavation in Common Material	CM	34,398		
1.5	108c	Formation of Embankment From Borrow Excavation in Common Material	CM	107,982		
TOTAL FOR BILL 1 CARRIED FORWARD TO SUMMARY :						

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Bill 2 - SUBBASE AND BASE COURSES						
Sr No.	Spec Ref	ITEM DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (PKR)
2.1	201	Granular Subbase	CM	17,637		
2.2	202	Aggregate Base (Grading A)	CM	10,395		
2.3	410	Brick Edging	CM	574		
TOTAL FOR BILL 2 CARRIED FORWARD TO SUMMARY :						

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Bill 3 - SURFACE COURSES						
Sr No.	Spec Ref	ITEM DESCRIPTION	UNIT	QUANTITY	RATE (PKR)	AMOUNT (PKR)
3.1	302	Bituminous Prime Coat (MC-70)	SM	67,980		
3.4	305b	Asphalt Concrete for Wearing Course Class-B	CM	3,399		
TOTAL FOR BILL 3 CARRIED FORWARD TO SUMMARY :						

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Bill 4 - CULVERTS						
Sr. No.	Spec Ref	ITEM DESCRIPTION	UNIT	QUANTITY	RATE (PKR)	AMOUNT (PKR)
4.1	107a	Structural excavation in common material	CM	1,205		
4.2	401f	Lean Concrete	CM	135		
4.3	401a	Concrete Class A3 in culvert, apron, wing wall etc	CM	110		
4.4	404b	Reinforcement steel as per AASHTO M31 grade 60	TON	6		
4.6	410	Brick masonry	CM	317		
4.8	SP-2	Plaster work	SM	475		
5.1	401b	Concrete Class "B"	CM	38		
TOTAL FOR BILL 4 CARRIED FORWARD TO SUMMARY :						

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BILL OF QUANTITIES

Bill 5 - DRAINAGE AND PROTECTION WORKS						
Sr No.	Spec Ref	ITEM DESCRIPTION	UNIT	QUANTITY	RATE (PKR)	AMOUNT (PKR)
5.1	401b	Concrete Class "B"	CM	1,274		
5.2	107a	Structural Excavation in common Material	CM	2,830		
5.3	401f	Lean Concrete	CM	700		
TOTAL FOR BILL 5 CARRIED FORWARD TO SUMMARY :						

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Bill 6 - ANCILLARY WORKS						
Sr No.	Spec Ref	ITEM DESCRIPTION	UNIT	QUANTITY	RATE (PKR)	AMOUNT (PKR)
6.1	607a	Traffic Road Signs Category 1, size 900mm	Each	15		
6.2	607b	Traffic Road Signs Category 2, size 900mm	Each	20		
6.3	607e	Traffic Road Signs Category 3 (c)	SM	12		
6.4	610c	Kilometer Post	Each	574		
6.5	612a	Furnishing and Planting of tres including maintenance period of 1.5-2 years	Each	2400		
TOTAL FOR BILL 6 CARRIED FORWARD TO SUMMARY :						

*All the sapling shall be either of i) Neem ii) Gul muhr iii) Tali iv) Sirus or as directed by the Engineer. The tress / sapling shall be of minimum 1.5m height at the time of planting and maintain for 1.5-2 years

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Tharparkar and Mirpurkhas**

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BILL OF QUANTITIES

Bill 7 - Engineer's Facilities						
Sr No.	Spec Ref	ITEM DESCRIPTION	UNIT	QUANTITY	RATE (PKR)	AMOUNT (PKR)
7.1	SS-9.2.1(a)	Provide Resident engineer's Office (Rental)				
7.2	SS-9.2.1(b)	Provide equipment and furniture for Resident Engineer's Office				
7.3	SS-9.2.1(c)	Maintain Resident Engineer's Office				
7.4	SS-9.2.2(a)	Provide Residential Engineer;s Housing (Rental)				
7.5	SS-9.2.2(b)	Provide equipment and furnutre for Resident Engineer's Housing				
7.6	SS-9.2.2(c)	Maintain Resident Engineer's Housing				
7.7	SS-9.2.3(a)	Provide Engineer's Base Laboratory (Rental)				
7.8	SS-9.2.3(b)	Provide Equipment and furniture For Engineer's				
7.9	SS-9.2.3(c)	Maintain Engineer's Base Laboratory				
7.10	SS-9.2.4(a)	Provide Engineer's Vehicle 1.Toyota Corolla (XLI) CNG or equivalent, NO 4				
7.11	SS-9.2.4(b)	Maintenace of Engineer's Vehicle 1.Toyota Corolla (XLI) CNG or equivalent, NO 4				
7.12	SS-9.3.1(a)	Provide, equip and furnish Field accomodation		Not Payable		
7.13	SS-9.3.1(b)	Maintain Field Accommodation		Not Payable		
7.14	SS-9.3.2(a)	Provide equip and furnish Engineer's Field Laboratory		Not payable		
7.15	SS-9.3.2(b)	Maintain Engineer's Field Laboratory		Not Payable		
7.16	SS-9.3.3(a)	Provide Vehicle For Engineer's field Staff		Not Payable		
7.17	SS-9.3.3(b)	Maintain Vehicle for Engineer's field Staff		Not Payable		
7.18	SS-9.3.4(a)	Provide Survey Equipment		Not Payable		
7.19	SS-9.3.4(b)	Maintain Survey Equipment		Not Payable		
TOTAL FOR BILL 7						