

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

**Thario Halipoto to Jeandro Dars Road near villages Senhri Dars due to dump area of mining (5km)- ADP
SCHEME 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	94,734		
1.2	104	Compaction of Natural Ground	SM	94,734		
1.3	106a & 106 (c)	Excavate unsuitable/ surplus Common Material	CM	76,201		
1.4	108a	Formation of Embankment From Road Way Excavation in Common Material	CM	14,312		
1.5	108c	Formation of Embankment From Borrow Excavation in Common Material	CM	44,993		
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 (PKR)	AMOUNT (PKR)
2.1	201	Granular Subbase	CM	7,349		
2.2	202	Aggregate Base (Grading A)	CM	4,331		
2.3	410	Brick Edging	CM	250		
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	28,375		
3.4	305b	Asphalt Concrete for Wearing Course Class-B	CM	1,416		
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	482		
4.2	401f	Lean Concrete	CM	54		
4.3	401a	Concrete Class A3 in culvert, apron, wing wall etc	CM	41		
4.4	404b	Reinforcement steel as per AASHTO M31 grade 60	TON	2.5		
4.6	410	Brick masonry	CM	127		
4.8	SP-2	Plaster work	SM	184		
5.1	401b	Concrete Class "B"	CM	16		
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	764		
5.20	107a	Structural Excavation in common Material	CM	1,699		
5.30	401f	Lean Concrete	CM	438		
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	6		
6.2	607b	Traffic Road Signs Category 2, size 900mm	Each	8		
6.3	607e	Traffic Road Signs Category 3 (c)	SM	5		
6.4	610c	Kilometer Post	Each	6		
6.5	612a	Furnishing and Planting of tress including maintenance period of 1.5-2 years	Each	1,000		
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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**Various New Roads Links , Bypasses and Improvement /Widening /Rehabilitation of Existing Roads in Districts
Tharparkar and Mirpurkhas**

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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						