

**SINDH COAL AUTHORITY**

**Various New Roads Links , Bypasses and Improvement /Widening /Rehabilitation of Existing Roads in Districts Tharparkar and Mirpurkhas**

**CONTRACT PACKAGE A : Construction of road Naukot , Jhuddo & Tando Jan Muhammad Bypasses (20.0kms)**

**ADP SCHEME 2234/2016-17**

**Construction of Tando Jan Muhammad Bypass (5 kms)**

**BILL OF QUANTITIES**

<b>Bill 5 - DRAINAGE AND PROTECTION WORKS</b>						
<b>Sr No.</b>	<b>Spec Ref</b>	<b>ITEM DESCRIPTION</b>	<b>UNIT</b>	<b>QUANTITY</b>	<b>RATE (PKR)</b>	<b>AMOUNT (PKR)</b>
5.1	511b	Grouted stone Pitching (20cm thick)	SM	400		
5.2	509h	Filter Layer of Granular Material	CM	100		
5.3	509d	Grouted Rip Rap Class "A"	CM	2,500		
5.4	401b	Concrete Class "B"	CM	2,000		
5.5	401f	Lean Concrete	CM			
<b>Utility Crossing Ducts and inspection chambers</b>						
5.6	107a	Structural excavation in common material	CM	80		
5.70	107e	Common Backfilling	CM	42		
5.8	401a	Concrete Class A3 i) Underground	CM	11		
5.9	401g	Precast Concrete Class "A3"	CM	1		
5.10	404b	Reinforcement as per AASHTO M 31 grade 60	Ton	2		
5.11	404h	Reinforcement ( Structural Shapes) as per ASTM-A36	Ton	0.20		
5.12	501a	Reinforced Concrete Pipe AASHTO M 170 Class II dia 310mm	M	32		
5.13	401b	Concrete Class "B"	CM	9		
5.14	401f	Lean Concrete	CM	2		
<b>TOTAL FOR BILL 5 CARRIED FORWARD TO SUMMARY :</b>						