

**Government of Pakistan  
Ministry of Communications,  
NATIONAL HIGHWAY AUTHORITY**



**Bill of Quantity (BOQ) FOR**  
**Routine Maintenance Work**

<b>Region:</b>	<u>Maintenance Region M-4 Faisalabad</u>
<b>Nature of Work:</b>	<u>Routine Maintenance Work</u>
<b>Contract No:</b>	<u>RM-M4-413-2020-21</u>
<b>Route No:</b>	<u>Motorway M-4</u>
<b>Direction:</b>	<u>North &amp; South Bound</u>
<b>Chainage:</b>	<u>From (Km) 180+000 To (Km) 195+000</u>
<b>District:</b>	<u>Toba Tek Sing (CSR-2014)</u>
<b>Amount Allocation:</b>	<u>Rs.5,860,650.00</u>

Prepared by: \_\_\_\_\_

Checked by: \_\_\_\_\_

# NATIONAL HIGHWAY AUTHORITY

OFFICE OF THE DIRECTOR (MAINT) M-4

## **SUMMARY OF BILL OF QUANTITIES** **ROUTINE MAINTENANCE WORK** **(Km 180+000 to Km 195+000)**

Bill No	DESCRIPTION OF BILLS	Amount (Rs.)
1	EARTH WORK	
2	SUB BASE & BASE	
3	SURFACING	
4	STRUCTURES	
5	DRAINAGE & EROSION WORKS	
6	ANCILLARY WORKS	
	<b>TOTAL</b>	

**NATIONAL HIGHWAY AUTHORITY**

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**ROUTINE MAINTENANCE WORK**  
**(Km 180+000 to Km 195+000)**

**BILL NO.1 EARTH WORKS**

<b>Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate (Rs.)</b>	<b>Quantity</b>	<b>Amount (Rs)</b>
106a	EXCAVATE UNSUITABLE COMMON MATERIAL	CM	361.82	-	-
106c	EXCAVATE SURPLUS COMMON MATERIAL	CM	324.34	-	-
107a	STRUCTURAL EXCAVATION IN COMMON MATERIAL	CM	360.77	-	-
107d	GRANULAR BACKFILL	CM	1,619.42	-	-
107e	COMMON BACKFILL	CM	247.66	-	-
108a	FORMATION OF EMBANKMENT FROM ROADWAY EXCAVATION IN COMMON MATERIAL	CM	398.12	-	-
108c	FORMATION OF EMBANKMENT FROM BORROW EXCAVATION IN COMMON MATERIAL	CM	446.65	-	-
NSI-1	CUT VEGETATION	SM	1.00	-	-
	<b>TOTAL</b>				<b>-</b>

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**BILL NO.2 SUB-BASE AND BASE**

<b>Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate (Rs.)</b>	<b>Quantity</b>	<b>Amount (Rs)</b>
201	GRANULAR SUB-BASE	CM	1,937.59		
202	AGGREGATE BASE COURSE	CM	2,510.78		
203a	ASPHALTIC BASE COURSE PLANT MIX (CLASS-A)	CM	18,727.56		
203b	ASPHALTIC BASE COURSE (CLASS-B)**	CM	19,122.63		
206b	WATER BOUND MACADAM BASE WITH COURSE AGG.CLASS B	CM	2,322.22		
207a	DEEP PATCHING (0-15cm)	SM	130.79		
207b	DEEP PATCHING (15-30cm)	SM	130.79		
209a	BREAKING OF EXISTING ROAD PAVEMENT STRUCTURE	CM	608.52		
209b	SCRAIFICATION OF EXISTING ROAD PAVEMENT	SM	67.84		
			<b>TOTAL</b>		-

\*\* Contractor has to submit original bitumen purchase invoice from approved source like NRL, ARL & PARCO alongwith the IPC's

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**BILL NO.3 SURFACING**

Code	Description	Unit	Rate (Rs.)	Quantity	Amount (Rs)
302a	CUT-BACK ASPHALT FOR BITUMINOUS PRIME COAT	SM	122.90	-	-
302b	EMULSIFIED ASPHALT FOR BITUMINOUS PRIME COAT	SM	107.68	-	-
303a	CUT-BACK ASPHALT FOR BITUMINOUS TACK COAT	SM	49.22	-	-
303b	EMULSIFIED ASPHALT FOR BITUMINOUS TACK COAT	SM	42.93	-	-
304a	SINGLE SURFACE TREATMENT	SM	231.62	-	-
304b	DOUBLE SURFACE TREATMENT	SM	470.82	-	-
304c	TRIPPLE SURFACE TREATMENT	SM	563.44	-	-
305a	ASPHALTIC CONCRETE FOR WEARING COURSE (CLASS-A)	CM	19,807.24	-	-
305b	ASPHALTIC CONCRETE FOR WEARING COURSE (CLASS-B)**	CM	20,710.52	-	-
307a	DENSE GRADED HOT BIT-MAC	CM	14,389.37	-	-
307b	OPEN GRADED HOT BIT-MAC	CM	13,973.04	-	-
309a	COLD MILLING, 0-30 MM	SM	110.07	-	-
309b	COLD MILLING, 0-50 MM	SM	183.45	-	-
309c	COLD MILLING, 0-70 MM	SM	275.18	-	-
			<b>TOTAL</b>		-

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**BILL NO.4 STRUCTURES**

Code	Description	Unit	Rate (Rs.)	Quantity	Amount (Rs)
401a1i	CONCRETE CLASS-A1 (UNDERGROUND)	CM	10,498.48	-	-
401a1ii	CONCRETE CLASS-A1 (ON GROUND)	CM	11,358.67	-	-
401a1iii	CONCRETE CLASS-A1 (ELEVATED)	CM	11,803.12	-	-
401a2i	CONCRETE CLASS-A2 (UNDERGROUND)	CM	10,845.44	-	-
401a2ii	CONCRETE CLASS-A2 (ON GROUND)	CM	11,705.49	-	-
401a2iii	CONCRETE CLASS-A2 (ELEVATED)	CM	12,149.77	-	-
401a3i	CONCRETE CLASS-A3 (UNDERGROUND)	CM	11,216.50	-	-
401a3ii	CONCRETE CLASS-A3 (ON GROUND)	CM	12,076.55	-	-
401a3iii	CONCRETE CLASS-A3 (ELEVATED)	CM	12,491.36	-	-
401b	CONCRETE CLASS-B	CM	8,219.24	-	-
401ci	CONCRETE CLASS-C (UNDERGROUND)	CM	10,051.63	-	-
401cii	CONCRETE CLASS-C (ON GROUND)	CM	10,911.68	-	-
401ciii	CONCRETE CLASS-C (ELEVATED)	CM	11,356.13	-	-
401d	CONCRETE CLASS D1	CM	15,313.01	-	-
401e	CONCRETE CLASS Y	CM	11,007.63	-	-
401f	LEAN CONCRETE	CM	6,474.82	-	-
401h	PLUM (CYCLOPEN/RUBBLE) CONCRETE (2:1CONC.STONE RATIO)	CM	7,325.56	-	-
404a	REINFORCEMENT AS PER AASHTO M.31 GRADE-40	TON	110,718.23	-	-
404b	REINFORCEMENT AS PER AASHTO M.31 GRADE-60	TON	115,968.23	-	-
410	BRICK WORK	CM	7,264.09	-	-
411a	STONE MASONRY RANDOM DRY	CM	2,886.60	-	-
411b	STONE MASONRY RANDOM WITH MORTAR	CM	4,995.62	-	-
411g	ROLL POINTING	SM	281.88	-	-
412a	STONE MASONRY DRESSED COURSED WITH MORTOR	CM	6,032.21	-	-
			<b>TOTAL</b>		-

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**BILL NO.5 DRAINAGE WORKS**

<b>Code</b>	<b>Description</b>	<b>Unit</b>	<b>Rate (Rs.)</b>	<b>Quantity</b>	<b>Amount (Rs)</b>
507a	STEEL WIRE MESH FOR GABIONS	Kg	165.00	-	-
507b	ROCK FILL IN GABIONS	CM	1659.66	-	-
509h	FILTER LAYER OF GRANULAR MATERIAL	CM	1769.48	-	-
510	DISMANTLING OF STRUCTURES AND OBSTRUCTIONS	CM	1592.18	-	-
511a1	DRY STONE PITCHING (15-20 CM THICK)	SM	683.07	-	-
511a2	DRY STONE PITCHING (20-25 CM THICK)	SM	874.33	-	-
			<b>TOTAL</b>		-





