

Name of Work :

Engineers Estimate for Reconstruction, Strengthening, DBS- Base course & DBS-Wearing Course work from Ch: 110+000 to 111+250 (Tetul tala to Bishoikhali), Ch: 119+000 to Ch:119+230 (Brac office), Ch: 120+900 to 125+560 (Kaligonj Bus Stand to Agmundia), of Daulatdia-Faridpur (Goalchamot)-Magura-Jhenaidah-Jessore-Khulna-Mongla(Digraj) Road (Road No. N-7) under Road Division Jhenaidah during the year 2017-2018.

I) Location of Work :		
Re-construction :		
Ch: 119+000 to Ch:119+230 (Brac office)	230.00	m
Ch: 120+900 to Ch:121+000 (Kaligonj Bus Stand)	160.00	m
Total =	390.00	m
Strengthening :		
Ch: 110+000 to Ch:111+250 (Tetul tala to Bishoikhali)	1150.00	m
Ch: 122+450 to Ch:123+850 (Balidah para to Dulal Mundia)	1400.00	m
Total =	2550.00	m
DBS Wearing Course :		
Ch: 110+000 to Ch: 111+250 (Tetul tala to Bishoikhali)	1250.00	m
Ch: 119+000 to Ch:119+230 (Brac office)	230.00	m
Ch: 120+900 to Ch:125+560 (Kaligonj B. Stand to Agmundia)	4860.00	m
Total =	6340.00	m

Division 1: General & Site Facilities:

Item Code	Item of works	Unit	Quantity	Rate	Amount
210204	Provision, Maintenance and Removal of Sign Boards	Nos	4.00	8849.00	35396.00
210102	Maintain Temp. Structure & Equipment for the Maintenance and Protection of Traffic	Day	180.00	1913.00	344340.00
210207	Progress of Photographs	Month	6.00	1000.00	6000.00
210301	Provide and Remove Site Laboratory and Equipment	Nos	1.00	331843.00	331843.00
210302	Maintain Site Laboratory	Month	6.00	7699.00	46194.00
Total Division 01 = Tk.					763773.00

Division 2: Earth Work:

Item Code	Item of works	Nos/ Side	Length (m)	Width (Av) (m)	Thick (m)	Quantity	Rate	Amount (Taka)
220203	Roadway excavation in existing pavement (Not Reinforce concret)							
	Ch: 119+000 to Ch:119+230	1.00	230.00	6.50	0.70	1046.50 Cum		
	Ch: 120+900 to Ch:121+060	1.00	160.00	10.40	0.70	1164.80 Cum		
	Total =					2211.30 Cum	265.00	585,994.50
220701	Preparation of subgrade (300mm depth)							
	Ch: 119+000 to Ch:119+230	1.00	230.00	6.50		1495.00 Sqm		
	Ch: 120+900 to Ch:121+060	1.00	160.00	10.40		1664.00 Sqm		
	Total =					3159.00 Sqm	69.00	217,971.00
220801	Improve subgrade							

Signed

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পটল পরিদেব ও মহাপটল বিভাগ
পটল পরিদেব ও পটল মহাপটল
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02/10/01	Construction of Soil earthen shoulders								
	Ch: 110+000 to Ch:111+150	1 x 2	1150.00	0.20	1.00	460.00	Cum		
	Ch: 119+000 to Ch:119+230	1 x 2	230.00	0.20	1.00	92.00	Cum		
	Ch: 120+900 to Ch:121+060	1 x 2	160.00	0.20	1.00	64.00	Cum		
	Ch: 122+450 to Ch:123+850	1 x 2	1400.00	0.20	1.00	560.00	Cum		
	Total =					1176.00	Cum	259.00	304,584.00
Total Division 02 = Tk.									1,976,642.70

Division 3: Pavement works:

Item Code	Item of works	Nos/ Side	Length (m)	Width (Av) (m)	Thick (m)	Quantity	Rate	Amount (Taka)
3/1/01	Scarify mix and recompact existing pavement and / or shoulder.							
	Ch: 110+000 to Ch:111+150	1	1150.00	6.50		7475.00 Sqm		
	Ch: 122+450 to Ch:123+850	1	1400.00	6.50		9100.00 Sqm		
	Total =					16575.00 Sqm	48.00	795,900.00
3/1/02	Repair of Potholes on the Existing Pavement.							
	Potholes Repair							
	Ch: 111+150 to ch: 111+250	1.00	100.00	6.50		650.00 Sqm		
	Ch: 121+060 to Ch: 121+630	1.00	570.00	9.70		5529.00 Sqm		
	Ch: 121+630 to Ch: 122+450	1.00	820.00	6.50		5330.00 Sqm		
	Ch: 123+850 to Ch: 125+250	1.00	1400.00	6.50		9100.00 Sqm		
	Ch: 125+250 to Ch: 125+560	1.00	310.00	6.50		2015.00 Sqm		
	Total Area Mark "A" =					22624.00 Sqm		
	Total Area = 22624.00m*0.05m*3%					33.94 Cum		
	Add for Profile Correction							
	Total Area = 22624.00m*0.05m*3%					56.56 Cum		
	Total =					90.50 Cum	15733.00	1,423,803.00
03/02/1	Sub Base							
	Ch: 119+000 to Ch:119+230	1.00	230.00	6.50	0.25	373.75 Cum		
	Ch: 120+900 to Ch:121+060	1.00	160.00	10.40	0.25	416.00 Cum		
	Total =					789.75 Cum	4361.00	3,444,099.75
3/3/01	Aggregate Base Type I.							
	Ch: 110+000 to Ch:111+150	1.00	1150.00	6.50	0.20	1495.00 Cum		
	Ch: 119+000 to Ch:119+230	1.00	230.00	6.50	0.20	299.00 Cum		
	Ch: 120+900 to Ch:121+060	1.00	160.00	10.40	0.20	332.80		
	Ch: 122+450 to Ch:123+850	1.00	1400.00	6.50	0.20	1820.00 Cum		
	Total =					3946.80 Cum	6568.00	25,914,888.80
03/06/1a	Bituminous Prime Coat (Plant Placed).							
	Ch: 110+000 to Ch:111+150	1.00	1150.00	6.50		7475.00 Sqm		
	Ch: 119+000 to Ch:119+230	1.00	230.00	6.50		1495.00 Sqm		
	Ch: 120+900 to Ch:121+060	1.00	160.00	10.40		1664.00 Sqm		
	Ch: 122+450 to Ch:123+850	1.00	1400.00	6.50		9100.00 Sqm		
	Total =					19734.00 Sqm	123.00	2,427,722.00
03/07/1a	Bituminous Tack Coat (Plant Work).							
	Ch: 110+000 to 111+250	1.00	1250.00	6.50		8125.00 Sqm		
	Ch: 119+000 to Ch:119+230	1.00	230.00	6.50		1495.00 Sqm		
	Ch: 120+900 to Ch:121+060	1.00	160.00	10.40		1664.00 Sqm		
	Ch: 121+060 to Ch: 121+630	1.00	570.00	9.70		5529.00 Sqm		
	Ch: 121+630 to Ch: 122+450	1.00	820.00	6.50		5330.00 Sqm		
	Ch: 122+450 to Ch:123+850	1.00	1400.00	6.50		9100.00 Sqm		
	Ch: 123+850 to Ch: 125+250	1.00	1400.00	6.50		9100.00 Sqm		
	Ch: 125+250 to Ch: 125+560	1.00	310.00	6.50		2015.00 Sqm		
						42358.00 Sqm	46.00	1,948,468.00

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পল্লী পরিদপ্তর ও পল্লী মহাসড়ক
পল্লীকাজী বাংলাদেশ সরকার

03/10/1(b)	Dense Bituminous Surfacing- Base-Course (Plant Method) (Bitumen Grade 60/70).								
	Ch: 110+000 to Ch:111+150	1.00	1150.00	6.50	0.07	523.25	Cum	✓	
	Ch: 119+000 to Ch:119+230	1.00	230.00	6.50	0.07	104.65	Cum	✓	
	Ch: 120+900 to Ch:121+060	1.00	160.00	10.40	0.07	116.48	Cum	✓	
	Ch: 122+450 to Ch:123+850	1.00	1400.00	6.50	0.07	637.00	Cum	✓	
						1381.38	Cum	✓	19906.00
03/10/2(b)	Dense Bituminous Surfacing--Wearing Course (Plant Method) (Bitumen Grade 60/70).							✓	27497750.28
	Ch: 110+000 to 111+250	1.00	1250.00	6.50	0.05	406.25	Cum	✓	
	Ch: 119+000 to Ch:119+230	1.00	230.00	6.50	0.05	74.75	Cum	✓	
	Ch: 120+900 to Ch:121+060	1.00	160.00	10.40	0.05	83.20	Cum	✓	
	Ch: 121+060 to Ch: 121+630	1.00	570.00	9.70	0.05	276.45	Cum	✓	
	Ch: 121+630 to Ch: 122+450	1.00	820.00	6.50	0.05	266.50	Cum	✓	
	Ch: 122+450 to Ch:123+850	1.00	1400.00	6.50	0.05	455.00	Cum	✓	
	Ch: 123+850 to Ch: 125+250	1.00	1400.00	6.50	0.05	455.00	Cum	✓	
	Ch: 125+250 to Ch: 125+560	1.00	310.00	6.50	0.05	100.75	Cum	✓	
						2117.90	Cum	✓	20118.00
03/13/01	Brick on end edging.							✓	42507912.20
	Ch: 110+000 to Ch:111+150	1 x 2	1150.00	-	-	2300.00	L.M.	✓	
	Ch: 119+000 to Ch:119+230	1 x 2	230.00			460.00	L.M.	✓	
	Ch: 120+900 to Ch:121+060	1 x 2	160.00			320.00	L.M.	✓	
	Ch: 122+450 to Ch:123+850	1 x 2	1400.00	-	-	2800.00	L.M.	✓	
	Total =					5880.00	L.M.	✓	103.00
								✓	605,640.00
								✓	106,665,277.53

Division 6: Incidentals:

Item Code	Item of works	Nos/ Side	Length (m)	Width (m)	Thick (m)	Quantity	Rate	Amount (Taka)
06/05/01	Road Marking - Thermoplastic Materials (Indicate if Screed or Spray application).							
	Center Line :	0.33	6140.00	0.10	-	202.62 Sqm	✓	
	Edge Line :	2	6140.00	0.10	-	1228.00 Sqm	✓	
	Curves :	4	25.00	0.10	-	10.00 Sqm	✓	
	Zabra crossing (For 6.40m and 6.50m width area)	6 x 2	6.50	0.20		15.60 Sqm	✓	
	Total =					1456.22 Sqm	1069.00	1,558,699.18
06/10/01	Traffic Signs.	-	-	-	-	22.00 Nos	6901.00	151,822.00
06/10/02	Sign Post.	-	-	-	-	22.00 Nos	3073.00	67,606.00
06/15/01	Concrete Guide Post (1.6m Long, 200mm dia)	-	-	-	-	60.00 Nos	2068.00	124,080.00
Special - 1	Manufacturing of Road directional board as size 1500mmx1800mm & size 1200mmx900mm with 18-BWG. M.S. Sheet and posting reflecting sheet with best quality blue/Gum including letter writing and symbol making and fixed 75mm dia G.I. Pipe fitted all side of the board by necessary Nut bolt screw welding curing adjusting straightening properly the M.S. Sheet etc. complete as per direction & design	5	1.80	1.50		13.50 Sqm	26912.00	363,312.00

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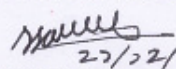
কাজী আব্দুল আল-মামুন
প্রোগ্রামার
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পল্লী পরিদপন ও পোস্ত মহাসড়ক


Special - 2	Installation charge of road sign and signal board at important places with supply 300mm long and 75mm dia G.I. Pipe fitted with sign board by necessary Nut Bolt, welding cutting adjusting strengthening properly in/c. carrying the same to work site and installation with necessary box cutting B.F.S. brick work C/C. (1 : 2 : 6) as per drawing including cost of all materials and incidental charges etc. complete as per direction of the E/c.					5.00 Nos	4663.00	23,315.00
Total Division 06 = Tk.								2,286,834.18

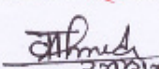
Total estimated cost Tk.	111,652,527.41
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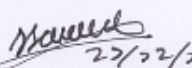
Salvaged Deduction Item


Item Code	Item of works	Nos/ Side	Length (m)	Width (Av) (m)	Thick (m)	Quantity	Rate	Amount (Taka)
02/02/06	Deduction of Materials recovered from existing road pavement							
Quantity B.F Vide Item Code 02/02/03 =						2211.00 Cum.	2212.001	4,890,734.21

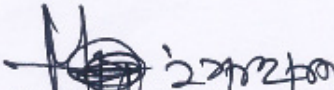

(Md. Nazmus Sakib)
Sub-Assistant Engineer, RHD
Road Section - I
Road Sub-Division, Jhenaidah.



(Md. Abdur Rahman Biswas)
Sub-Assistant Engineer, RHD
Road Section- Kaligonj
Road Sub-Division, Jhenaidah.

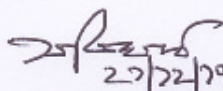

(Faruk Ahmed)
Sub-Divisional Engineer, C.C., RHD
Road Sub-Division, Jhenaidah.



(Md. Nazmus Sakib)
Sub-Assistant Engineer (A.C.), RHD
Road Division, Jhenaidah.


(Md. Zahangir Alam)
Assistant Engineer (A.C.), RHD
Road Division, Jhenaidah.


(S.M. Mozammel Hossain)
Executive Engineer (C.C.), RHD
Road Division, Jhenaidah.


উপ-সহকারী প্রকৌশলী (সওজ)
সড়ক মার্কেল, যশোর।


সহকারী প্রকৌশলী (সওজ)
সড়ক মার্কেল, যশোর।


তত্ত্বাবধায়ক প্রকৌশলী (সওজ)
সড়ক মার্কেল, যশোর।

প্রকল্পের ক্রম-৬ = ০২০৬০২০২৭.৪০ (৬গাছের কাটি-
প্রতি বছর বিক্রয় করে আদায় পাওয়া যায়- প্রায় ৬০
টকা) আর অনুমোদন করা হল। ডিজিটাল আর্কাইভ করে
প্রাপ্ত- Salazar's Maternal এর মুদ্রা-টিকার সাথে মিল রেখে
কর্তৃপক্ষের কাছে রাখা হবে।

Signed
A.A.H.

কাজী আবদুল আল-মামুন
মোহাম্মাদ
সড়ক পরিবহন ও মহাসড়ক বিভাগ
সড়ক পরিবহন ও সেতু মন্ত্রণালয়
গণপ্রজাতন্ত্রী বাংলাদেশ সরকার