

Name of Work :Repair of existing pavement and DBS-Wearing Course work at Ch:0+00 to Ch:3+266 km of Fulbari Bus Stand- Dinajpur Govt. College Road(R-586), DBS-Wearing Course at Ch:0+00 to 1+500 km of Rangpur-Saidpur Road (N-518), Strengthening and Surfacing at Ch: 0+00 to 2+550 km of Saidpur-Parbotipur Road (Z-5011) under Road Division Dinajpur & Nilphamari during the year 2017-2018.

Invitation Reference No. : eGP-15/RHD/ACE/RZ/2017-2018. Tender ID N0: 124446

Specification Item Buildup

Division 1 - General & Site Facilities

Item Code 01/02/04  
Item Name Provision, Maintenance and Removal of Sign Boards  
Unit of Measurement Lump Sum  
Quantity for Estimation 1.00

(All Prices Are in Taka)

Specification Item Components						
	Item Name	Unit of Measurement	Unit Rate	Quantity Required	Price for Estimation Quantity	Unit Price
Item Category	Primary Item					
Item Type	Material					
	Provision, maintain & remove Signs	month	7,001.000	1.000	7,001.000	7,001.000
Basic Unit Price of Specification Item :						7,001.000
Plus Profit at 10.00% :						700.100
Sub-Total :						7,701.100
Plus Tax & VAT at 13.00% :						1,001.143
Total Unit Price of Specification Item :						8,702.243

M.M. Builders & Engineers Ltd. - Muhammad Aminul Haque (Pvt.) Ltd. - M/S. Kohinoor Enterprise (JV)

  
Md. Aminul Haque  
Authorized Signatory

Signed  
AAMH  
কাজী আব্দুল্লাহ আল-মামুন  
মোহাম্মাদ  
সড়ক পরিবহন ও মহাসড়ক বিভাগ  
সড়ক পরিবহন ও সেতু মন্ত্রণালয়  
গণপ্রজাতন্ত্রী বাংলাদেশ সরকার

Name of Work :Repair of existing pavement and DBS-Wearing Course work at Ch:0+00 to Ch:3+266 km of Fulbari Bus Stand- Dinajpur Govt. College Road(R-586), DBS-Wearing Course at Ch:0+00 to 1+500 km of Rangpur-Saidpur Road (N-518), Strengthening and Surfacing at Ch: 0+00 to 2+550 km of Saidpur-Parbotipur Road (Z-5011) under Road Division Dinajpur & Nilphamari during the year 2017-2018.

Invitation Reference No. : eGP-15/RHD/ACE/RZ/2017-2018. Tender ID N0: 124446

Item Code 01/02/07  
Item Name Progress Photographs  
Unit of Measurement Month  
Quantity for Estimation 1.00

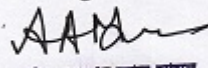
(All Prices Are in Taka)

Specification Item Components						
	Item Name	Unit of Measurement	Unit Rate	Quantity Required	Price for Estimation Quantity	Unit Price
Item Category	Primary Item					
Item Type	Equipment					
	Progress Photographs	month	805.00	1.00	805.00	805.000
Basic Unit Price of Specification Item :						805.000
Plus Profit at 10.00% :						80.500
Sub-Total :						885.500
Plus Tax & VAT at 13.00% :						115.115
Total Unit Price of Specification Item :						1,000.615

Assumption : This is an avarage rate taken from recent Periodic Maitenance Contracts.

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Invitation Reference No. : eGP-15/RHD/ACE/RZ/2017-2018. Tender ID N0: 124446

Item Code 01/03/01  
Item Name Provide and Remove Site Laboratory & Equipment  
Unit of Measurement Lump Sum  
Quantity for Estimation 1.00

(All Prices Are in Taka)

Specification Item Components						
	Item Name	Unit of Measurement	Unit Rate	Quantity Required	Price for Estimation Quantity	Unit Price
Item Category	Primary Item					
Item Type	Equipment					
	Site Laboratory	lump sum	250,001.00	1.00	250,001.00	250,001.000
Basic Unit Price of Specification Item :						250,001.000
Plus Profit at 6.542091% :						16,355.293
Sub-Total :						266,356.293
Plus Tax & VAT at 13.00% :						34,626.318
Total Unit Price of Specification Item :						300,982.611

Assumption : This is an avarage rate taken from recent Periodic Maitenance Contracts.

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পবিত্র মন্দির ও মসজিদ বিভাগ  
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Invitation Reference No. : eGP-15/RHD/ACE/RZ/2017-2018. Tender ID N0: 124446

Item Code 01/03/02  
Item Name Maintain Site Laboratory  
Unit of Measurement Month  
Quantity for Estimation 1.00

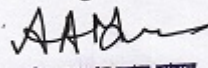
(All Prices Are in Taka)

Specification Item Components						
	Item Name	Unit of Measurement	Unit Rate	Quantity Required	Price for Estimation Quantity	Unit Price
Item Category	Primary Item					
Item Type	Labour					
	Maintenance of Site Laboratory	month	6,001.00	1.00	6,001.00	6,001.000
Basic Unit Price of Specification Item :						6,001.000
Plus Profit at 10.00% :						600.100
Sub-Total :						6,601.100
Plus Tax & VAT at 13.00% :						858.143
Total Unit Price of Specification Item :						7,459.243

Assumption : This is an avarage rate taken from recent Periodic Maintenance Contracts.

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Invitation Reference No. : eGP-15/RHD/ACE/RZ/2017-2018. Tender ID N0: 124446

## Division 2 - Earthworks

Item Code 02/10/01  
Item Name Construction of Soil Earthen Shoulders  
Unit of Measurement cu metre  
Quantity for Estimation 10.00

(All Prices Are in Taka)

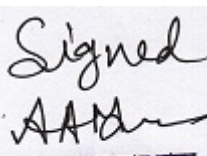
Specification Item Components						
	Item Name	Unit of Measurement	Unit Rate	Quantity Required	Price for Estimation Quantity	Unit Price
Item Category	Primary Item					
Item Type	Equipment					
	Small hand tools (1)	day	20.00	4.33	86.60	8.660
	Vibratory roller (1-3 tonne)	day	2,700.00	0.04	108.00	10.800
Item Type	Labour					0.000
	Semi-skilled labourer	day	400.00	0.33	132.00	13.200
	Unskilled labourer	day	350.00	2.56	894.25	89.425
Item Type	Material					0.000
	Imported suitable bulk fill (off site)	cu. metre	65.00	9.25	601.25	60.125
	Water	cu. metre	10.00	5.00	50.00	5.000
Basic Unit Price of Specification Item :						187.210
Plus Profit at 10.00% :						18.721
Sub-Total :						205.931
Plus Tax & VAT at 13.00% :						26.771
Total Unit Price of Specification Item :						232.702

Assumption : Specification requires material to have CBR 8% at 98% compacted (Standard compaction 2.5kg hammer) which

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Authorized Signatory

Submitted By: M.M. Builders Engineers Ltd. - Muhammad Aminul Haque (Pvt.) Ltd. - M/S. Kohinoor E

  
Signed  
Md. Aminul Haque  
Authorized Signatory  
কাজী আব্দুল্লাহ আল-মামুন  
প্রোগ্রামার  
পটক পরিদপন ও মহাপ্রকৃতি বিভাগ  
পটক পরিদপন ও পোহ মহাপ্রকৃতি  
পটক পরিদপন ও পোহ মহাপ্রকৃতি

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Invitation Reference No. : eGP-15/RHD/ACE/RZ/2017-2018. Tender ID N0: 124446

Item Code 02/06/02

Item Name Embankment fill from borrow pit in contractor's Arranged land

Unit of Measurement cu metre

Quantity for Estimation 600.00

(All Prices Are in Taka)

Specification Item Components						
	Item Name	Unit of Measurement	Unit Rate	Quantity Required	Price for Estimation Quantity	Unit Price
Item Category	Primary Item					
Item Type	Equipment					
	Small hand tools (1)	day	20.000	246.000	4,920.000	8.200
	Vibratory roller ( 7-10tonne)	day	4,500.000	1.000	4,500.000	7.500
	Water tanker	day	3,500.000	1.000	3,500.000	5.833
Item Type	Labour					0.000
	Semi-skilled labourer	day	400.000	28.000	11,200.000	18.667
	Skilled Labour	day	550.000	4.000	2,200.000	3.667
	Unskilled labourer	day	350.000	180.000	63,000.000	105.000
Item Type	Material					0.000
	Imported suitable bulk fill (off site)	cu. metre	65.000	600.000	39,000.000	65.000
	Water	cu. metre	10.000	450.000	4,500.000	7.500
Basic Unit Price of Specification Item :						221.367
Plus Profit at 2.00% :						4.427
Sub-Total :						225.794
Plus Tax & VAT at 13.00% :						29.353
Total Unit Price of Specification Item :						255.147

Assumption :

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কাজী আব্দুল্লাহ আল-মামুন  
মোহাম্মাদ  
পল্লব পরিদেব ও মহাপ্রকৃত বিভাগ  
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Invitation Reference No. : eGP-15/RHD/ACE/RZ/2017-2018. Tender ID N0: 124446

Item Code 02/02/03  
 Item Name Roadway Excavation in Existing Pavement (not reinforced concrete)  
 Unit of Measurement cu metre  
 Quantity for Estimation 30.00

(All Prices Are in Taka)

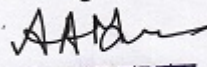
Specification Item Components						
	Item Name	Unit of Measurement	Unit Rate	Quantity Required	Price for Estimation Quantity	Unit Price
Item Category	Primary Item					
Item Type	Equipment					
	Small hand tools (2)	day	20.00	16.00	320.00	10.667
Item Type	Labour					0.000
	Semi-skilled labourer	day	400.00	7.00	2,800.00	93.333
	Unskilled labourer	day	350.00	7.50	2,625.00	87.500
Basic Unit Price of Specification Item :						191.500
Plus Profit at 10.00% :						19.150
Sub-Total :						210.650
Plus Tax & VAT at 13.00% :						27.385
Total Unit Price of Specification Item :						238.035

Assumption : It is assumed that the production rate per man reduces from 2.5 cum to 1.5 cum to take account of excavating in an

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 মোহাম্মাদ  
 পাবনা পল্লিমাধ্যম ও মহাসড়ক বিভাগ  
 পাবনা পল্লিমাধ্যম ও পোতা মন্ত্রণালয়  
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### Division 3 - Pavement Works

Item Code 03/01/01  
 Item Name Scarify, Mix and Recompact Existing Pavement and/or Shoulder  
 Unit of Measurement sq. metre  
 Quantity for Estimation 100.00

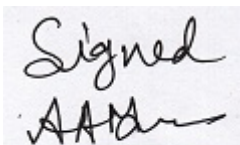
(All Prices Are in Taka)

Specification Item Components						
	Item Name	Unit of Measurement	Unit Rate	Quantity Required	Price for Estimation Quantity	Unit Price
Item Category	Primary Item					
Item Type	Equipment					
	Small hand tools (1)	day	20.00	7.00	140.00	1.400
	Vibratory roller ( 7-10tonne)	day	4,500.00	0.06	281.25	2.813
	Water tanker	day	3,500.00	0.06	218.75	2.188
Item Type	Labour				0.00	0.000
	Masons	day	600.00	1.00	600.00	6.000
	Unskilled labourer	day	350.00	6.00	2,100.00	21.000
Item Type	Material				0.00	0.000
	Water	cu. metre	10.00	15.00	150.00	1.500
Basic Unit Price of Specification Item :						34.900
Plus Profit at 2.00% :						0.698
Sub-Total :						35.598
Plus Tax & VAT at 13.00% :						4.628
Total Unit Price of Specification Item :						40.226

Assumption : Assumes a standard RHD carpetted road (38mm +12mm sealcoat) with brick khoa roadbase 150mm. The pavement

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Name of Work :Repair of existing pavement and DBS-Wearing Course work at Ch:0+00 to Ch:3+266 km of Fulbari Bus Stand- Dinajpur Govt. College Road(R-586), DBS-Wearing Course at Ch:0+00 to 1+500 km of Rangpur-Saidpur Road (N-518), Strengthening and Surfacing at Ch: 0+00 to 2+550 km of Saidpur-Parbotipur Road (Z-5011) under Road Division Dinajpur & Nilphamari during the year 2017-2018.

Invitation Reference No. : eGP-15/RHD/ACE/RZ/2017-2018. Tender ID N0: 124446

Item Code 03/01/02  
Item Name Repair of Potholes on the Existing Pavement

Unit of Measurement cu metre  
Quantity for Estimation 1.00

(All Prices Are in Taka)

Specification Item Components						
	Item Name	Unit of Measurement	Unit Rate	Quantity Required	Price for Estimation Quantity	Unit Price
Item Category	Primary Item					
Item Type	Equipment					
	Bitumen Heater (Tar Boiler)	day	600.00	0.50	300.00	300.000
	Richshaw Van	day	350.00	0.50	175.00	175.000
	Small hand tools (2)	day	20.00	6.50	130.00	130.000
Item Type	Labour					
	Asphalt Mistry	day	600.00	0.50	300.00	300.000
	Semi-skilled labourer	day	400.00	1.00	400.00	400.000
	Unskilled labourer	day	350.00	4.00	1,400.00	1,400.000
Item Type	Material					
	Bitumen	tonne	52,000.00	0.09	4,420.00	4,420.000
	Coarse Sand FM>2.5	cu. metre	1,600.00	0.44	704.00	704.000
	Crushed boulder/gravel aggregate <25mm	cu. metre	4,700.00	0.56	2,632.00	2,632.000
	Crusher (stone) dust	cu. metre	650.00	0.21	137.80	137.800
	Firewood	tonne	5,000.00	0.09	450.00	450.000
Basic Unit Price of Specification Item :						11,048.800
Plus Profit at 10.00% :						1,104.880
Sub-Total :						12,153.680
Plus Tax & VAT at 13.00% :						1,579.978
Total Unit Price of Specification Item :						13,733.658

Assumption : Assumes that contractor is working on a section of road doing overlay or surface dressing works so he will carry out

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Invitation Reference No. : eGP-15/RHD/ACE/RZ/2017-2018. Tender ID N0: 124446

Item Code 03/03/02  
Item Name Aggregate Base Type II  
Unit of Measurement cu metre  
Quantity for Estimation 10.00 (All Prices Are in Taka)

Specification Item Components						
	Item Name	Unit of Measurement	Unit Rate	Quantity Required	Price for Estimation Quantity	Unit Price
Item Category	Primary Item					
Item Type	Equipment					
	Flat Bed truck (5tons)	day	4,500.00	0.30	1,350.00	135.000
	Small hand tools (1)	day	20.00	15.50	310.00	31.000
	Vibratory roller ( 7-10tonne)	day	4,500.00	0.06	270.00	27.000
Item Type	Labour				0.00	0.000
	Masons	day	600.00	3.00	1,800.00	180.000
	Unskilled labourer	day	350.00	12.50	4,375.00	437.500
Item Type	Material				0.00	0.000
	Sand FM>1.0	cu. metre	500.00	3.90	1,950.00	195.000
	Brick Khoa < 40mm	cu. metre	2,800.00	9.10	25,480.00	2,548.000
	Water	cu. metre	10.00	10.00	100.00	10.000
Basic Unit Price of Specification Item :						3,563.500
Plus Profit at 4.20% :						149.667
Sub-Total :						3,713.167
Plus Tax & VAT at 13.00% :						482.712
Total Unit Price of Specification Item :						4,195.879

Assumption : The labour and production outputs are the same as for base type I with the only change being in the blend of the

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Invitation Reference No. : eGP-15/RHD/ACE/RZ/2017-2018. Tender ID N0: 124446

Item Code 03/03/01  
Item Name Aggregate Base Type I  
Unit of Measurement cu metre  
Quantity for Estimation 10.00

(All Prices Are in Taka)

Specification Item Components						
	Item Name	Unit of Measurement	Unit Rate	Quantity Required	Price for Estimation Quantity	Unit Price
Item Category	Primary Item					
Item Type	Equipment					
	Flat Bed truck (5tons)	day	4,500.00	0.30	1,350.00	135.000
	Small hand tools (1)	day	20.00	12.50	250.00	25.000
	Vibratory roller ( 7-10tonne)	day	4,500.00	0.06	270.00	27.000
Item Type	Labour				0.00	0.000
	Masons	day	600.00	2.00	1,200.00	120.000
	Unskilled labourer	day	350.00	10.50	3,675.00	367.500
Item Type	Material				0.00	0.000
	Crushed boulder/gravel aggregate <40mm	cu. metre	4,600.00	9.10	41,860.00	4,186.000
	Sand FM>1.0	cu. metre	500.00	3.90	1,950.00	195.000
	Water	cu. metre	10.00	10.00	100.00	10.000
Basic Unit Price of Specification Item :						5,065.500
Plus Profit at 4.851% :						245.727
Sub-Total :						5,311.227
Plus Tax & VAT at 13.00% :						690.460
Total Unit Price of Specification Item :						6,001.687

Assumption : Type 1 Aggregate Base comprises a 2:1 mixture of Stone aggregate:Sylhet Sand. Assume that all materials are

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Md. Aminul Haque  
Authorized Signatory

Name of Work :Repair of existing pavement and DBS-Wearing Course work at Ch:0+00 to Ch:3+266 km of Fulbari Bus Stand- Dinajpur Govt. College Road(R-586), DBS-Wearing Course at Ch:0+00 to 1+500 km of Rangpur-Saidpur Road (N-518), Strengthening and Surfacing at Ch: 0+00 to 2+550 km of Saidpur-Parbotipur Road (Z-5011) under Road Division Dinajpur & Nilphamari during the year 2017-2018.

Invitation Reference No. : eGP-15/RHD/ACE/RZ/2017-2018. Tender ID N0: 124446

Item Code 03/06/01a  
Item Name Bituminous Prime Coat (Plant Placed)  
Unit of Measurement sq. metre  
Quantity for Estimation 1500.00

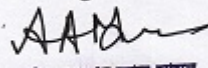
(All Prices Are in Taka)

Specification Item Components						
	Item Name	Unit of Measurement	Unit Rate	Quantity Required	Price for Estimation Quantity	Unit Price
Item Category	Primary Item					
Item Type	Equipment					
	Bitumen Distributor	day	4,500.000	0.750	3,375.000	2.250
	Bitumen Heater	day	1,500.000	2.000	3,000.000	2.000
	Small hand tools (1)	day	20.000	13.000	260.000	0.173
	Tyre roller PTR	day	5,000.000	0.130	650.000	0.433
	Water tanker	day	3,500.000	0.130	455.000	0.303
	Air Blower	day	4,000.000	0.130	520.000	0.347
Item Type	Labour				0.000	0.000
	Asphalt Mistry	day	600.000	2.000	1,200.000	0.800
	Semi-skilled labourer	day	400.000	1.000	400.000	0.267
	Unskilled labourer	day	350.000	10.000	3,500.000	2.333
Item Type	Material				0.000	0.000
	Bitumen	tonne	52,000.000	1.300	67,599.998	45.067
	Firewood	tonne	5,000.000	0.600	3,000.000	2.000
	Kerosene	ltr	68.000	650.000	44,200.000	29.467
Basic Unit Price of Specification Item :						85.440
Plus Profit at 10.00% :						8.544
Sub-Total :						93.984
Plus Tax & VAT at 13.00% :						12.218
Total Unit Price of Specification Item :						106.202

Assumption : A Bitumen Distributor will normally only be used on a new road project or surface dressing works, where good daily

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Md. Aminul Haque  
Authorized Signatory

Signed  
  
কাজী আব্দুল্লাহ আল-মামুন  
মোহাম্মাদ  
স্বাক্ষর পরিচালক ও মহাপ্রকল্প পরিচালক  
স্বাক্ষর পরিচালক ও মোহাম্মাদ  
মহাপ্রকল্প পরিচালক

Name of Work :Repair of existing pavement and DBS-Wearing Course work at Ch:0+00 to Ch:3+266 km of Fulbari Bus Stand- Dinajpur Govt. College Road(R-586), DBS-Wearing Course at Ch:0+00 to 1+500 km of Rangpur-Saidpur Road (N-518), Strengthening and Surfacing at Ch: 0+00 to 2+550 km of Saidpur-Parbotipur Road (Z-5011) under Road Division Dinajpur & Nilphamari during the year 2017-2018.

Invitation Reference No. : eGP-15/RHD/ACE/RZ/2017-2018. Tender ID N0: 124446

Item Code 03/07/01a  
Item Name Bituminous Tack Coat (Plant Work)  
Unit of Measurement sq. metre  
Quantity for Estimation 1000.00 (All Prices Are in Taka)

Specification Item Components						
	Item Name	Unit of Measurement	Unit Rate	Quantity Required	Price for Estimation Quantity	Unit Price
Item Category	Primary Item					
Item Type	Equipment					
	Bitumen Distributor	day	4,500.00	0.75	3,375.00	3.375
	Bitumen Heater	day	1,500.00	1.00	1,500.00	1.500
	Small hand tools (2)	day	20.00	7.00	140.00	0.140
Item Type	Labour				0.00	0.000
	Asphalt Mistry	day	600.00	1.00	600.00	0.600
	Semi-skilled labourer	day	400.00	1.00	400.00	0.400
	Unskilled labourer	day	350.00	2.00	700.00	0.700
Item Type	Material				0.00	0.000
	Bitumen	tonne	52,000.00	0.45	23,400.00	23.400
	Firewood	tonne	5,000.00	0.09	450.00	0.450
	Kerosene	ltr	68.00	0.00	0.00	0.000
Basic Unit Price of Specification Item :						30.565
Plus Profit at 10.01% :						3.060
Sub-Total :						33.625
Plus Tax & VAT at 13.00% :						4.371
Total Unit Price of Specification Item :						37.996

Assumption : Tack coat is usually sprayed 1hr ahead of laying of asphalt when using an emulsion. Only that area that can be

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Authorized Signatory

Signed  
A.A.H.  
কাজী আব্দুল্লাহ আল-মামুন  
মোহাম্মাদ  
পতন পতিম্বল ও মরাদতক বিভাগ  
পতন পতিম্বল ও মোহাম্মাদ  
পতন পতিম্বল ও মোহাম্মাদ

Name of Work :Repair of existing pavement and DBS-Wearing Course work at Ch:0+00 to Ch:3+266 km of Fulbari Bus Stand- Dinajpur Govt. College Road(R-586), DBS-Wearing Course at Ch:0+00 to 1+500 km of Rangpur-Saidpur Road (N-518), Strengthening and Surfacing at Ch: 0+00 to 2+550 km of Saidpur-Parbotipur Road (Z-5011) under Road Division Dinajpur & Nilphamari during the year 2017-2018.

Invitation Reference No. : eGP-15/RHD/ACE/RZ/2017-2018. Tender ID N0: 124446

Item Code 03/08/01  
Item Name Primer seal  
Unit of Measurement sq. metre  
Quantity for Estimation 1500.00

(All Prices Are in Taka)

Specification Item Components						
	Item Name	Unit of Measurement	Unit Rate	Quantity Required	Price for Estimation Quantity	Unit Price
Item Category	Primary Item					
Item Type	Equipment					
	Bitumen Distributor	day	4,500.00	0.75	3,375.00	2.250
	Bitumen Heater (Tar Boiler)	day	600.00	1.00	600.00	0.400
	Small hand tools (2)	day	20.00	53.00	1,060.00	0.707
	Tyre roller PTR	day	5,000.00	0.75	3,750.00	2.500
	Water Pump	day	950.00	1.00	950.00	0.633
Item Type	Labour				0.00	0.000
	Asphalt Mistry	day	600.00	2.00	1,200.00	0.800
	Semi-skilled labourer	day	400.00	13.00	5,200.00	3.467
	Skilled Labour	day	550.00	11.00	6,050.00	4.033
	Unskilled labourer	day	350.00	27.00	9,450.00	6.300
Item Type	Material				0.00	0.000
	Bitumen	tonne	52,000.00	1.16	60,320.00	40.213
	Firewood	tonne	5,000.00	0.57	2,850.00	1.900
	Gravel (as dug)	cu. metre	1,700.00	9.50	16,150.00	10.767
	Kerosene	ltr	68.00	60.00	4,080.00	2.720
Basic Unit Price of Specification Item :						76.690
Plus Profit at 7.00% :						5.368
Sub-Total :						82.058
Plus Tax & VAT at 13.00% :						10.668
Total Unit Price of Specification Item :						92.726

Assumption : Primer Seal is applied to an existing asphalt surface. Assume that the daily production is 1000sqm. Specification

M.M. Builders & Engineers Ltd. - Muhammad Aminul Haque (Pvt.) Ltd. - M/S. Kohinoor Enterprise (JV)

  
Md. Aminul Haque  
Authorized Signatory

Signed  
A.A.H.  
কাজী আব্দুল্লাহ আল-মামুন  
মোহাম্মদ আমিনুল হা  
স্বাক্ষরিত ও স্বাক্ষরিত বিভাগ  
স্বাক্ষরিত ও স্বাক্ষরিত বিভাগ  
স্বাক্ষরিত ও স্বাক্ষরিত বিভাগ

Name of Work : **Repair of existing pavement and DBS-Wearing Course work at Ch:0+00 to Ch:3+266 km of Fulbari Bus Stand- Dinajpur Govt. College Road(R-586), DBS-Wearing Course at Ch:0+00 to 1+500 km of Rangpur-Saidpur Road (N-518), Strengthening and Surfacing at Ch: 0+00 to 2+550 km of Saidpur-Parbotipur Road (Z-5011) under Road Division Dinajpur & Nilphamari during the year 2017-2018.**

Invitation Reference No. : **eGP-15/RHD/ACE/RZ/2017-2018.** Tender ID N0: **124446**

Item Code **03/10/01(b)**  
 Item Name **Dense Bituminous Surfacing - Wearing Course (Plant Method) (Bitumen Grade 60/70)**  
 Unit of Measurement **cu metre**  
 Quantity for Estimation **25.00** (All Prices Are in Taka)

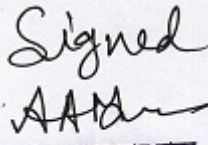
Specification Item Components						
	Item Name	Unit of Measurement	Unit Rate	Quantity Required	Price for Estimation Quantity	Unit Price
Item Category	Primary Item					
Item Type	Equipment					
	AC Paver	day	8,000.00	1.00	8,000.00	320.000
	Asphalt Plant	day	25,000.00	0.50	12,500.00	500.000
	Bitumen Distributor	day	4,500.00	0.50	2,250.00	90.000
	Dump Truck	day	5,000.00	5.00	25,000.00	1,000.000
	Tyre roller PTR	day	5,000.00	1.00	5,000.00	200.000
	Vibratory Roller ( 6-7.5 tonne)	day	4,500.00	0.50	2,250.00	90.000
Item Type	Labour				0.00	0.000
	Asphalt Mistry	day	600.00	2.00	1,200.00	48.000
	Foreman	day	800.00	1.00	800.00	32.000
	Semi-skilled labourer	day	400.00	4.00	1,600.00	64.000
	Unskilled labourer	day	350.00	8.00	2,800.00	112.000
Item Type	Material				0.00	0.000
	Angle Iron (62.5x62.5x6mm) using 20 times	lin. metre	120.00	20.00	2,400.00	96.000
	Bitumen	tonne	57,000.00	3.07	174,990.00	6,999.600
	Coarse Sand FM>2.5	cu. metre	1,600.00	6.25	10,000.00	400.000
	Crushed boulder/gravel aggregate <25mm	cu. metre	4,700.00	21.88	102,836.00	4,113.440
	Crusher (stone) dust	cu. metre	650.00	3.12	2,028.00	81.120
	Diesel	ltr	68.00	137.50	9,350.00	374.000
Basic Unit Price of Specification Item :						14,520.160
Plus Profit at 10.00% :						1,452.016
Sub-Total :						15,972.176
Plus Tax & VAT at 13.00% :						2,076.383
Total Unit Price of Specification Item :						18,048.559
Say =						

**Assumption :** Assume 10m length of drain which is 0.3m wide x 0.2m deep. The drain material is coarse Sylhet sand and the

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 Md. Aminul Haque  
 Authorized Signatory

Submitted By: **M.M. Builders Engineers Ltd. - Muhammad Aminul Haque (Pvt.) Ltd. - M/S. Kohinoor E**

  
 Signed  
 Md. Aminul Haque  
 Authorized Signatory  
 কাজী আব্দুল আল-মামুন  
 মোহাম্মাদ  
 সড়ক পরিবহন ও মহাসড়ক বিভাগ  
 সড়ক পরিবহন ও সেতু মন্ত্রণালয়  
 বাংলাদেশ সরকার



Name of Work :Repair of existing pavement and DBS-Wearing Course work at Ch:0+00 to Ch:3+266 km of Fulbari Bus Stand- Dinajpur Govt. College Road(R-586), DBS-Wearing Course at Ch:0+00 to 1+500 km of Rangpur-Saidpur Road (N-518), Strengthening and Surfacing at Ch: 0+00 to 2+550 km of Saidpur-Parbotipur Road (Z-5011) under Road Division Dinajpur & Nilphamari during the year 2017-2018.

Invitation Reference No. : eGP-15/RHD/ACE/RZ/2017-2018. Tender ID N0: 124446

Item Code 03/10/02(b)  
Item Name DBS - Wearing Course (Bitumen Grade 60/70)  
Unit of Measurement cu metre  
Quantity for Estimation 25.00

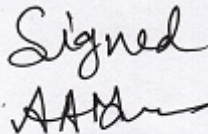
(All Prices Are in Taka)

Specification Item Components						
	Item Name	Unit of Measurement	Unit Rate	Quantity Required	Price for Estimation Quantity	Unit Price
Item Category	Primary Item					
Item Type	Equipment					
	AC Paver	day	8,000.00	1.00	8,000.00	320.000
	Asphalt Plant	day	25,000.00	0.50	12,500.00	500.000
	Bitumen Distributor	day	4,500.00	0.50	2,250.00	90.000
	Dump Truck	day	5,000.00	5.00	25,000.00	1,000.000
	Tyre roller PTR	day	5,000.00	1.00	5,000.00	200.000
	Vibratory Roller ( 6-7.5 tonne)	day	4,500.00	0.50	2,250.00	90.000
Item Type	Labour				0.00	0.000
	Asphalt Mistry	day	600.00	2.00	1,200.00	48.000
	Foreman	day	800.00	1.00	800.00	32.000
	Semi-skilled labourer	day	400.00	4.00	1,600.00	64.000
	Unskilled labourer	day	350.00	8.00	2,800.00	112.000
Item Type	Material				0.00	0.000
	Angle Iron (62.5x62.5x6mm) using 20 times	lin. metre	335.00	20.00	6,700.00	268.000
	Bitumen	tonne	57,000.00	3.07	174,990.00	6,999.600
	Coarse Sand FM>2.5	cu. metre	1,600.00	6.25	10,000.00	400.000
	Crushed boulder/gravel aggregate <25mm	cu. metre	4,700.00	21.88	102,836.00	4,113.440
	Crusher (stone) dust	cu. metre	650.00	3.12	2,028.00	81.120
	Diesel	ltr	68.00	137.50	9,350.00	374.000
Basic Unit Price of Specification Item :						14,692.160
Plus Profit at 10.00% :						1,469.216
Sub-Total :						16,161.376
Plus Tax & VAT at 13.00% :						2,100.979
Total Unit Price of Specification Item :						18,262.355

Assumption : The same comments apply as for Base Course Item 03/10/01.

M.M. Builders & Engineers Ltd. - Muhammad Aminul Haque (Pvt.) Ltd. - M/S. Kohinoor Enterprise (JV)

  
Md. Aminul Haque  
Authorized Signatory

  
স্বাক্ষরিত  
মুহাম্মদ আমিনুল হাযে  
মুহাম্মদ আমিনুল হাযে  
স্বাক্ষরিত ও মোহাম্মদ আমিনুল হাযে  
মুহাম্মদ আমিনুল হাযে



Name of Work : **Repair of existing pavement and DBS-Wearing Course work at Ch:0+00 to Ch:3+266 km of Fulbari Bus Stand- Dinajpur Govt. College Road(R-586), DBS-Wearing Course at Ch:0+00 to 1+500 km of Rangpur-Saidpur Road (N-518), Strengthening and Surfacing at Ch: 0+00 to 2+550 km of Saidpur-Parbotipur Road (Z-5011) under Road Division Dinajpur & Nilphamari during the year 2017-2018.**

Invitation Reference No. : **eGP-15/RHD/ACE/RZ/2017-2018.** Tender ID N0: **124446**

Item Code **03/11/01**

Item Name **Premix Bituminous Carpeting (Bitumen Grade 80/100)**

Unit of Measurement **cu metre**

Quantity for Estimation **25.00** (All Prices Are in Taka)

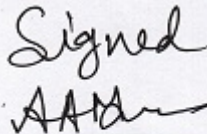
Specification Item Components						
	Item Name	Unit of Measurement	Unit Rate	Quantity Required	Price for Estimation Quantity	Unit Price
Item Category	Primary Item					
Item Type	Equipment					
	Bitumen Heater (Tar Boiler)	day	600.00	1.00	600.00	24.000
	Richshaw Van	day	350.00	3.00	1,050.00	42.000
	Small hand tools (2)	day	20.00	83.00	1,660.00	66.400
	Tyre roller PTR	day	5,000.00	1.00	5,000.00	200.000
	Vibratory roller (1-3 tonne)	day	2,700.00	1.00	2,700.00	108.000
Item Type	Labour				0.00	0.000
	Asphalt Mistry	day	600.00	14.00	8,400.00	336.000
	Masons	day	600.00	4.00	2,400.00	96.000
	Semi-skilled labourer	day	400.00	18.00	7,200.00	288.000
	Unskilled labourer	day	350.00	47.00	16,450.00	658.000
Item Type	Material				0.00	0.000
	Angle Iron (62.5x62.5x6mm) using 20 times	lin. metre	335.00	20.00	6,700.00	268.000
	Bitumen	tonne	52,000.00	2.43	126,360.00	5,054.400
	Coarse Sand FM>2.5	cu. metre	1,600.00	13.13	21,008.00	840.320
	Crushed boulder/gravel aggregate <25mm	cu. metre	4,700.00	16.25	76,375.00	3,055.000
	Crusher (stone) dust	cu. metre	650.00	3.12	2,028.00	81.120
	Firewood	tonne	5,000.00	1.36	6,800.00	272.000
Basic Unit Price of Specification Item :						11,389.240
Plus Profit at 5.00% :						569.462
Sub-Total :						11,958.702
Plus Tax & VAT at 13.00% :						1,554.631
Total Unit Price of Specification Item :						13,513.333

Assumption : Rate has been calculated for 50mm thickness of compacted pavement layer (mat). In order to achieve the specified

M.M. Builders & Engineers Ltd. - Muhammad Aminul Haque (Pvt.) Ltd. - M/S. Kohinoor Enterprises (P)

  
Md. Aminul Haque  
Authorized Signatory

Submitted By: M.M. Builders Engineers Ltd. - Muhammad Aminul Haque (Pvt.) Ltd. - M/S. Kohinoor E

  
Signed  
Md. Aminul Haque  
Authorized Signatory

Name of Work :Repair of existing pavement and DBS-Wearing Course work at Ch:0+00 to Ch:3+266 km of Fulbari Bus Stand- Dinajpur Govt. College Road(R-586), DBS-Wearing Course at Ch:0+00 to 1+500 km of Rangpur-Saidpur Road (N-518), Strengthening and Surfacing at Ch: 0+00 to 2+550 km of Saidpur-Parbotipur Road (Z-5011) under Road Division Dinajpur & Nilphamari during the year 2017-2018.

Invitation Reference No. : eGP-15/RHD/ACE/RZ/2017-2018. Tender ID N0: 124446

Item Code 03/13/01  
Item Name Brick on End Edging  
Unit of Measurement Lin. Metre  
Quantity for Estimation 100.00

(All Prices Are in Taka)

Specification Item Components						
	Item Name	Unit of Measurement	Unit Rate	Quantity Required	Price for Estimation Quantity	Unit Price
Item Category	Primary Item					
Item Type	Equipment					
	Small hand tools (2)	day	20.00	4.00	80.00	0.800
Item Type	Labour				0.00	0.000
	Masons	day	600.00	1.00	600.00	6.000
	Unskilled labourer	day	350.00	3.00	1,050.00	10.500
Item Type	Material				0.00	0.000
	Brick P.J.	no.	8.00	800.00	6,400.00	64.000
	Sand FM>0.5	cu. metre	450.00	0.20	90.00	0.900
Basic Unit Price of Specification Item :						82.200
Plus Profit at 8.00% :						6.576
Sub-Total :						88.776
Plus Tax & VAT at 13.00% :						11.541
Total Unit Price of Specification Item :						100.317

Assumption : Rate is based on a production of 100 lin.m.

M.M. Builders & Engineers Ltd. - Muhammad Aminul Haque (Pvt.) Ltd. - M/S. Kohinoor Enterprise (IV)

  
Md. Aminul Haque  
Authorized Signatory

Signed  
A.A.H.  
কাজী আব্দুল্লাহ আল-মামুন  
মোহাম্মাদ  
পল্লী পরিদর্শন ও মহাসড়ক বিভাগ  
পল্লী পরিদর্শন ও সড়ক মহাপ্রকল্প  
পল্লী পরিদর্শন ও সড়ক মহাপ্রকল্প

Name of Work :Repair of existing pavement and DBS-Wearing Course work at Ch:0+00 to Ch:3+266 km of Fulbari Bus Stand- Dinajpur Govt. College Road(R-586), DBS-Wearing Course at Ch:0+00 to 1+500 km of Rangpur-Saidpur Road (N-518), Strengthening and Surfacing at Ch: 0+00 to 2+550 km of Saidpur-Parbotipur Road (Z-5011) under Road Division Dinajpur & Nilphamari during the year 2017-2018.

Invitation Reference No. : eGP-15/RHD/ACE/RZ/2017-2018. Tender ID N0: 124446

Division 6 - Incidentals

Item Code 06/03/03  
Item Name Concrete Side Ditch/ U-Drain  
Unit of Measurement Lin. Metre  
Quantity for Estimation 1.00

(All Prices Are in Taka)

Specification Item Components						
	Item Name	Unit of Measurement	Unit Rate	Quantity Required	Price for Estimation Quantity	Unit Price
Item Category	:					
Item Type	:					
			10,001.00	1.00	10,001.00	10,001.000
Basic Unit Price of Specification Item :						10,001.000
Plus Profit at 7.90% :						790.079
Sub-Total :						10,791.079
Plus Tax & VAT at 13.00% :						1,402.840
Total Unit Price of Specification Item :						12,193.919

Assumption :

M.M. Builders & Engineers Ltd. - Muhammad Aminul Haque (Pvt.) Ltd. - M/S. Kohinoor Enterprise (Pvt.)

  
Md. Aminul Haque  
Authorized Signatory

Signed  
A.A.H.  
কাজী আব্দুল্লাহ আল-মামুন  
মোহাম্মাদ  
সড়ক পরিবহন ও মহাসড়ক বিভাগ  
সড়ক পরিবহন ও সেতু মন্ত্রণালয়  
গণপ্রজাতন্ত্রী বাংলাদেশ সরকার

Name of Work :Repair of existing pavement and DBS-Wearing Course work at Ch:0+00 to Ch:3+266 km of Fulbari Bus Stand- Dinajpur Govt. College Road(R-586), DBS-Wearing Course at Ch:0+00 to 1+500 km of Rangpur-Saidpur Road (N-518), Strengthening and Surfacing at Ch: 0+00 to 2+550 km of Saidpur-Parbotipur Road (Z-5011) under Road Division Dinajpur & Nilphamari during the year 2017-2018.

Invitation Reference No. : eGP-15/RHD/ACE/RZ/2017-2018. Tender ID N0: 124446

Item Code 06/05/01  
Item Name Road Marking Thermoplastic Material (by spray) 3mm Thick.  
Unit of Measurement sq.m  
Quantity for Estimation 350.00

(All Prices Are in Taka)

Specification Item Components						
	Item Name	Unit of Measurement	Unit Rate	Quantity Required	Price for Estimation Quantity	Unit Price
Item Category	Primary Item					
Item Type	Equipment					
	Boiler/Heater (1)	day	7,000.00	1.00	7,000.00	20.000
	Spreader	day	6,000.00	1.00	6,000.00	17.143
	Truck (5 Tonne)	day	4,500.00	1.00	4,500.00	12.857
Item Type	Labour					0.000
	Foreman	day	800.00	3.00	2,400.00	6.857
	Skilled labourer	day	550.00	7.00	3,850.00	11.000
	Unskilled labourer	day	350.00	10.00	3,500.00	10.000
Item Type	Material					0.000
	Tharmoplastic Materials	kg	121.40	2,100.00	254,940.00	728.400
	Glass beads	kg	121.40	175.00	21,245.00	60.700
	Chalk Powder, brush etc.	L.S			500.00	1.429
Basic Unit Price of Specification Item :						868.386
Plus Profit at 2.001% :						17.376
Sub-Total :						885.762
Plus Tax & VAT at 13.00% :						115.149
Total Unit Price of Specification Item :						1,000.911

M.M. Builders & Engineers Ltd. - Muhammad Aminul Haque (Pvt.) Ltd. - M/S. Kohinoor Enterprise (JV)

  
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Name of Work :Repair of existing pavement and DBS-Wearing Course work at Ch:0+00 to Ch:3+266 km of Fulbari Bus Stand- Dinajpur Govt. College Road(R-586), DBS-Wearing Course at Ch:0+00 to 1+500 km of Rangpur-Saidpur Road (N-518), Strengthening and Surfacing at Ch: 0+00 to 2+550 km of Saidpur-Parbotipur Road (Z-5011) under Road Division Dinajpur & Nilphamari during the year 2017-2018.

Invitation Reference No. : eGP-15/RHD/ACE/RZ/2017-2018. Tender ID N0: 124446

Item Code 06/15/01

Item Name Concrete Guide Post (1.6 m long, 200mm dia)

Unit of Measurement No.

Quantity for Estimation 1.00 (All Prices Are in Taka)

Specification Item Components						
	Item Name	Unit of Measurement	Unit Rate	Quantity Required	Price for Estimation Quantity	Unit Price
Item Category	Primary Item					
Item Type	Material					
	Concrete	cum	15,000.00	0.0502	753.00	753.000
	Reinforcement	tonne	57000.00	0.0075	427.50	427.500
	Painting	sqm	150.00	0.6280	94.2000	94.200
	Placing	No.	250.00	1.00	250.00	250.000
Basic Unit Price of Specification Item :						1,524.700
Plus Profit at 10.00% :						152.470
Sub-Total :						1,677.170
Plus Tax & VAT at 13.00% :						218.032
Total Unit Price of Specification Item :						1,895.202

Assumption :

M.M. Builders & Engineers Ltd. - Muhammad Aminul Haque (Pvt.) Ltd. - M/S. Kohinoor Enterprise (JV)

  
Md. Aminul Haque  
Authorized Signatory

Signed  
A.A.H.  
কাজী আব্দুল্লাহ আল-মামুন  
মোহাম্মাদ  
পবিত্র মন্দির ও মসজিদ বিভাগ  
সড়ক পরিবহন ও সেতু মন্ত্রণালয়  
গণপ্রজাতন্ত্রী বাংলাদেশ সরকার

Name of Work :Repair of existing pavement and DBS-Wearing Course work at Ch:0+00 to Ch:3+266 km of Fulbari Bus Stand- Dinajpur Govt. College Road(R-586), DBS-Wearing Course at Ch:0+00 to 1+500 km of Rangpur-Saidpur Road (N-518), Strengthening and Surfacing at Ch: 0+00 to 2+550 km of Saidpur-Parbotipur Road (Z-5011) under Road Division Dinajpur & Nilphamari during the year 2017-2018.

Invitation Reference No. : eGP-15/RHD/ACE/RZ/2017-2018. Tender ID N0: 124446

Item Code 06/16/01  
Item Name Concrete Kilometer Post (As per drawing)

Unit of Measurement No.  
Quantity for Estimation 1.00

(All Prices Are in Taka)

Specification Item Components						
	Item Name	Unit of Measurement	Unit Rate	Quantity Required	Price for Estimation Quantity	Unit Price
Item Category	Primary Item					
Item Type	Material					
	Roadway Excavation in unsuitable Material	cum	800.00	0.5060	404.80	404.800
	Sand Backfill for Structures	cum	478.00	0.1518	72.56	72.560
	Single Layer Brick Flat Soling	sqm	850.00	1.0120	860.2000	860.200
	Concrete Class10	cum	7,481.92	0.1012	757.17	757.171
	Concrete Class 20	cum	11,338.06	0.2854	3235.88	3,235.881
	Mild Steel Reinforcement Bars	tonne	57,000.00	0.0077	438.90	438.900
	6 mm thick cement sand(F.M1.2) plaster	sqm	150.00	1.8288	274.32	274.320
	Painting to post etc. 2(two) coat	sqm	200.00	1.8288	365.76	365.760
	Lettering on both side of km post with 10cm size	L.S.	1.50	200.0000	300.00	300.000
Basic Unit Price of Specification Item :						6,709.592
Plus Profit at 7.011% :						470.410
Sub-Total :						7,180.002
Plus Tax & VAT at 13.00% :						933.400
Total Unit Price of Specification Item :						8,113.402

Assumption :

M.M. Builders & Engineers Ltd. - Muhammad Aminul Haque (Pvt.) Ltd. - M/S. Kohinoor Enterprise (JV)

  
Md. Aminul Haque  
Authorized Signatory

Submitted By: M.M. Builders Engineers Ltd. - Muhammad Aminul Haque (Pvt.) Ltd. - M/S. Kohinoor E

Signed  
A.A.H.  
কাজী আব্দুল্লাহ আল-মামুন  
মোহাম্মাদ  
সড়ক পরিবহন ও মহাসড়ক বিভাগ  
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Invitation Reference No. : eGP-15/RHD/ACE/RZ/2017-2018. Tender ID N0: 124446

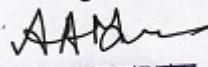
Item Code 06/17/01(b)  
Item Name RCC Palisiding (3m post, 150mm X 150mm)  
Unit of Measurement Linear Metre  
Quantity for Estimation 45.00

(All Prices Are in Taka)

Specification Item Components						
	Item Name	Unit of Measurement	Unit Rate	Quantity Required	Price for Estimation Quantity	Unit Price
Item Category	Primary Item					
Item Type	Labour					
	i) Skilled labour	nos	550.00	36.00	19,800.00	440.000
	ii) Ordinary labour	nos	350.00	108.00	37,800.00	840.000
Item Type	Equipment					0.000
	Hire charge of monkey with driving arrangement.	L.S.	3200.00	1.00	3,200.00	71.111
Item Type	Material					0.000
	Concrete Class 25	cum	14,000.00	8.17	114,345.00	2,541.000
	Mild Steel Reinforcement Bars	tonne	57,000.00	0.803	45,771.00	1,017.133
	Nuts, bolts, washers etc	nos	65.00	102.0000	6630.00	147.333
Basic Unit Price of Specification Item :						5,056.578
Plus Profit at 5.55162% :						280.722
Sub-Total :						5,337.300
Plus Tax & VAT at 13.00% :						693.849
Total Unit Price of Specification Item :						6,031.149

M.M. Builders & Engineers Ltd. - Muhammad Aminul Haque (Pvt.) Ltd. - M/S. Kohinoor Enterprises (JV)

  
Md. Aminul Haque  
Authorized Signatory

Signed  
  
কাজী আব্দুল্লাহ আল-মামুন  
মোহাম্মাদ  
সড়ক পরিবহন ও মহাসড়ক বিভাগ  
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## Estimate for Probable cost of 3 (Three) years maintenance Period

### Cost for maintenance of 3 (Three) years period :

1. 1st year	= No repair
2. 2nd year	
Probable potholes per km	= 1 Nos.
$1 \times 0.45 \times 0.30 \times 0.06$	= 0.0081 cum.
Materials for 7.316 km = $0.0081 \times 7.316$	= 0.059 cum.
3. 3rd year	
Probable potholes per km	= 3 Nos.
$3 \times 0.60 \times 0.50 \times 0.06$	= 0.054 cum.
Materials for 7.316 km = $0.054 \times 7.316$	= 0.395 cum.
<hr/>	
Total material = 0.454 cum.	


Wearing course @ Tk. 18262.355 per cum.	= Tk. 8291.11
Extra Labor Charge for maintenance work L.S	= Tk.150000.00
<hr/>	
Total = Tk.158291.11	

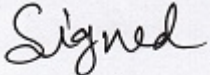
Note: Three years probable maintenance cost = Tk. 158291.11 which will be adjusted from my profit.

Net profit of work = Tk. 10452867.28 – 158291.11

Total = Tk. 10294576.17

M.M. Builders & Engineers Ltd. - Muhammad Aminul Haque (Pvt.) Ltd. - M/S. Kohinoor Enterprise (JV)

  
Md. Aminul Haque  
Authorized Signer

  
Signed  
AAH

কাজী আব্দুল আল-মামুন  
প্রোগ্রামার  
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