



# **RHD SCHEDULE OF RATES 2019**



**ROADS & HIGHWAYS DEPARTMENT**

**AUGUST 2019**



# Roads and Highways Department Ministry of Road Transport and Bridges



## *Declaration*

RHD Schedule of Rates 2019 (For Road and Bridge Works) that has been recommended by the Committee, (formed vide memo no-878-CE, dated 28/11/2017) is hereby authenticated and endorsed by the undersigned for official use in Roads and Highways Department (RHD) with effect from 19 August 2019.

  
19/8/2019

**Ebne Alam Hasan**  
Chief Engineer  
Roads and Highways Department  
Sarak Bhaban, Tejgaon, Dhaka.



# Roads and Highways Department Ministry of Road Transport and Bridges

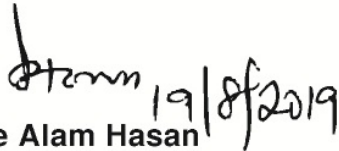


## Foreword

The Roads and Highways Department under the Ministry of Road Transport and Bridges is pleased to publish the RHD Schedule of Rates 2019 for Road and Bridge Works. The last publication of RHD Schedule of Rates was in July 2018 and after that there is no significant change in prices of materials, labors and equipments. By this time National Board of Revenue (NBR) has changed the VAT & IT rate and RHD has considered the changes in contractor's profit. Thus RHD needs to update the RHD Schedule of Rates July 2018.

I would also take this opportunity to recognize the valuable contribution made by all the members of the Committee led by the Additional Chief Engineer, RHD, Technical Services Wing which was formed to prepare/upgrade the Schedule of Rates.

I wish that RHD Schedule of Rates 2019 will be useful for the works of Roads and Bridges in Roads and Highways Department. The "RHD Schedule of Rates 2019 (For Road and Bridge Works)" shall be effective from 19 August, 2019.

  
19/8/2019

**Ebne Alam Hasan**  
Chief Engineer  
Roads and Highways Department  
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# Roads and Highways Department Ministry of Road Transport and Bridges




## Preface

The RHD Schedule of Rates 2019 (For Road and Bridge Works) is the revised edition of the RHD Schedule of Rates 2018. It is logical and necessary to update the schedule of rates in the light of prevailing market prices. The information of prices of materials, labors and equipments are collected from different field zones of RHD, Bangladesh Bureau of Statistics (BBS) and other sources and compared with other organization like PWD, LGED etc. It was marked that there was no significant change of market price of materials, labors and equipments in comparison with the market price used in RHD Schedule of Rates 2018.

I convey my deep appreciation and heartfelt thanks to all the members of the committee on Schedule of Rates for their sincere and meticulous efforts in finalizing the same.

It is quite possible that, despite our best efforts, unintended errors or inaccuracies could still persist in the revised edition. In that case, the users are humbly requested to bring those errors and inaccuracies to our notice for necessary measure.

  
19/08/2019

**(Md. Abdul Wahid)**  
Additional Chief Engineer (C.C), RHD  
Technical Services Wing,  
Alenbari, Tejgaon, Dhaka  
and  
Chairman, Committee for  
RHD Schedule of Rates 2019.



# Roads and Highways Department Ministry of Road Transport and Bridges



## Schedule of Rates 2019 (For Road and Bridge Works)

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# Roads and Highways Department Ministry of Road Transport and Bridges



## Division 1 - General & Site Facilities

(All Prices in Taka)

Sl. No	Item Code	Description.	Unit	Dhaka	Sylhet	Khulna	Rajshahi	Chattogram	
				Mymenisngh & Cumilla Zone	Zone	Barisal & Gopalganj Zone	& Rangpur Zone	Zone	
				Unit	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)
1	01/01//01	Maintenance and Protection of Traffic	Lump Sum	144,431.00	144,042.00	144,431.00	144,042.00	144,431.00	
2	01/01//02	Maintain Temp.Structures & Equipment for the Maintenance and Protection of Traffic	day	2,218.00	2,105.00	2,218.00	2,105.00	2,218.00	
3	01/02//01	Supply, Erect and Remove Field Office for Engineer	Lump Sum	254,930.00	254,930.00	254,930.00	254,930.00	254,930.00	
4	01/02//02	Maintenance, Staffing, Security and Cleaning of the Field Office for the Engineer	Month	50,233.00	50,233.00	50,233.00	50,233.00	50,233.00	
5	01/02//03	Provision of Office Equipment and Consumables	Month	7,868.00	7,868.00	7,868.00	7,868.00	7,868.00	
6	01/02//04	Provision, Maintenance and Removal of Sign Boards	Lump Sum	9,042.00	9,042.00	9,042.00	9,042.00	9,042.00	
7	01/02//05	Provision and Maintenance of Survey Equipment	month	917.00	917.00	917.00	917.00	917.00	
8	01/02//07	Progress Photographs	Month	1,022.00	1,022.00	1,022.00	1,022.00	1,022.00	
9	01/03//01	Provide and Remove Site Laboratory & Equipment	Lump Sum	339,070.00	339,070.00	339,070.00	339,070.00	339,070.00	
10	01/03//02	Maintain Site Laboratory	Month	7,866.00	7,866.00	7,866.00	7,866.00	7,866.00	
11	01/03//03	Special or Additional Tests	Pro. Sum	-	-	-	-	-	
12	01/04//01	Saloon Car 1200cc Capacity	Month	119,302.00	119,302.00	119,302.00	119,302.00	119,302.00	
13	01/04//02	Pick- up (Double Cab)	Month	169,535.00	169,535.00	169,535.00	169,535.00	169,535.00	
14	01/04//03	Four Wheel Drive Vehicle Min. 6 seats	Month	295,116.00	295,116.00	295,116.00	295,116.00	295,116.00	
15	01/04//04	Motor Cycle 125cc	Month	5,651.00	5,651.00	5,651.00	5,651.00	5,651.00	
16	01/04//05	Motor Boat min 5m length	Month	16,859.00	16,859.00	16,859.00	16,859.00	16,859.00	
17	01/04//06	Provision, Operation and Maintenance of Micrbus Min. 10 seats	Month	166,395.00	166,395.00	166,395.00	166,395.00	166,395.00	
18	01/04//07	Provision, Operation and Maintenance of Micrbus Min. 7 seats	Month	150,698.00	150,698.00	150,698.00	150,698.00	150,698.00	

\* Rate for this Item shall be analysed as per actual requirement



# Roads and Highways Department Ministry of Road Transport and Bridges



## Division 2 – Earthwork

(All Prices in Taka)

Sl. No	Item Code	Description.	Unit	Dhaka Mymenisngh & Cumilla Zone	Sylhet Zone	Khulna Barisal & Gopalganj Zone	Rajshahi & Rangpur Zone	Chattogram Zone
			Unit	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)
1	02/01/01	Clearing and Grubbing	sq. metre	55.00	51.00	55.00	51.00	55.00
2	02/02/01	"Roadway Excavation in Unsuitable Soil (with removal from site)"	cu metre	205.00	203.00	205.00	203.00	205.00
3	02/02/02	Roadway Excavation in Suitable Soil	cu metre	144.00	141.00	144.00	141.00	144.00
4	02/02/03	Roadway Excavation in Existing Pavement ( not reinforced concrete)	cu metre	107.00	101.00	107.00	101.00	107.00
5	02/02/04	Roadway Excavation in Existing Reinforced Concrete Pavement	cu metre	1,414.00	1,379.00	1,414.00	1,379.00	1,414.00
6	02/02/05	Deduction of Value of Suitable Soil Recovered from Existing Road	cu metre	210.00	190.00	175.00	175.00	200.00
7	02/02/06	Deduction of Value of Materials Recovered from existing Road Pavement	cu metre	2,270.00	2,445.00	2,119.00	1,988.00	2,173.00
8	02/04/01	Channel Excavation in Unsuitable Materials	cu metre	211.00	198.00	211.00	198.00	211.00
9	02/04/02	Channel Excavation in Suitable Material	cu metre	211.00	198.00	211.00	198.00	211.00
10	02/05/01	Excavation and Backfill for Structures	cu metre	447.00	424.00	447.00	424.00	447.00
11	02/05/02	Concrete Backfill for Structures	cu metre	12,533.00	11,506.00	12,050.00	11,390.00	12,087.00
12	02/05/03	Sand Backfill for Structures	cu metre	1,309.00	1,250.00	1,352.00	1,365.00	1,381.00
13	02/06/01(a)	Embankment Fill from Excavation on site.	cu metre	144.00	141.00	144.00	141.00	144.00
14	02/06/01(b)	Embankment Fill from Excavation in Borrow pit within the Right -of-way	cu metre	217.00	212.00	217.00	212.00	217.00
15	02/06/02	Embankment fill from borrow pit in contractor's Arranged land	cu metre	410.00	383.00	366.00	364.00	397.00
16	02/06/03	Sand Backfill to Swamp	cu metre	791.00	786.00	791.00	858.00	834.00
17	02/07/01	Preparation of Subgrade 300 mm Depth	sq. metre	24.00	24.00	24.00	24.00	24.00
18	02/07/02	Preparation of Subgrade 450 mm depth	sq. metre	40.00	39.00	40.00	39.00	40.00
19	02/08/01	Improved Subgrade	cu metre	1,043.00	985.00	1,057.00	1,097.00	1,099.00
20	*02/09/01	Dismantling Existing Structure including disposal of spoil and backfilling.	Lump Sum	-	-	-	-	-
21	*02/09/02	Dismantling Portions of Existing Structure including stockpiling of materials.	Lump Sum	-	-	-	-	-
22	*02/09/03(a)	Deduction of the Value of Recovered Materials from Structures	Lump Sum	-	-	-	-	-
23	*02/09/03(b)	Deduction of the Value of Recovered Materials from Structures	Lump Sum	-	-	-	-	-
24	02/10/01	Construction of Soil Earthen Shoulders	cu metre	838.00	801.00	797.00	807.00	840.00
25	02/12/01	Subgrade Drains	Lin. Metre	385.00	357.00	404.00	372.00	380.00

\* Rate for this Item shall be analysed as per actual requirement



# Roads and Highways Department Ministry of Road Transport and Bridges



## Division 3 – Pavement work

(All Prices in Taka)

Sl. No	Item Code	Description.	Unit	Dhaka Mymenisngh & Cumilla Zone Rate (Tk.)	Sylhet Zone Rate (Tk.)	Khulna Barisal & Gopalganj Zone Rate (Tk.)	Rajshahi & Rangpur Zone Rate (Tk.)	Chattoogram Zone Rate (Tk.)
			Unit	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)
1	03/01/01	Scarify, Mix and Recompact Existing Pavement and/or Shoulder	sq. metre	38.00	37.00	38.00	37.00	38.00
2	03/01/02	Repair of Potholes on the Existing Pavement	cu metre	21,452.00	20,418.00	21,451.00	20,609.00	20,514.00
3	03/02/01(a)	Sub-Base	cu metre	5,400.00	5,776.00	5,074.00	4,766.00	5,174.00
4	03/02/01(b)	Sub-Base (with Paver)	cu metre	5,588.00	5,968.00	5,263.00	4,959.00	5,363.00
5	03/03/01(a)	Aggregate Base Type I	cu metre	8,832.00	7,926.00	8,384.00	7,720.00	8,273.00
6	03/03/01(b)	Aggregate Base Type I (with Paver)	cu metre	9,020.00	8,118.00	8,572.00	7,912.00	8,461.00
7	03/03/02(a)	Aggregate Base Type II	cu metre	5,932.00	6,378.00	5,554.00	5,194.00	5,662.00
8	03/03/02(b)	Aggregate Base Type II (with Paver)	cu metre	6,120.00	6,570.00	5,742.00	5,386.00	5,850.00
9	03/06/01(a)	Bituminous Prime Coat (Plant Placed)	sq. metre	114.00	116.00	117.00	120.00	113.00
10	03/06/01(b)	Bituminous Prime Coat (hand placed)	sq. metre	109.00	110.00	112.00	114.00	107.00
11	03/07/01(a)	Bituminous Tack Coat (Plant Work)	sq. metre	51.00	51.00	53.00	54.00	50.00
12	03/07/01(b)	Bituminous Tack Coat (Labour intensive work)	sq. metre	45.00	46.00	47.00	48.00	44.00
13	03/08/01	Primer seal	sq. metre	113.00	111.00	115.00	114.00	112.00
14	03/09/01(a)	Single Bituminous Surface Treatment 14mm nominal size aggregate (Machine Method) (Bitumen Grade 80/100)	Sq Meter	232.00	238.00	216.00	221.00	229.00
15	03/09/01(b)	Single Bituminous Surface Treatment 14mm nominal size aggregate (Machine Method) (Bitumen Grade 60/70)	Sq Meter	235.00	241.00	219.00	224.00	232.00
16	03/09/02(a)	Double Bituminous Surface Treatment-20mm nominal size aggregate followed by 10mm (Machine Method) (Bitumen Grade 80/100)	Sq Meter	423.00	435.00	394.00	404.00	417.00
17	03/09/02(b)	Double Bituminous Surface Treatment-20mm nominal size aggregate followed by 10mm (Machine Method) (Bitumen Grade 60/70)	Sq Meter	428.00	440.00	400.00	410.00	423.00
18	03/09/02(c)	Double Bituminous Surface Treatment-14mm nominal size aggregate followed by 10mm (Machine Method) (Bitumen Grade 80/100)	Sq Meter	368.00	379.00	343.00	351.00	364.00



# Roads and Highways Department Ministry of Road Transport and Bridges



(All Prices in Taka)

Sl. No	Item Code	Description.	Unit	Dhaka Mymenisngh & Cumilla Zone	Sylhet Zone	Khulna Barisal & Gopalganj Zone	Rajshahi & Rangpur Zone	Chattogram Zone
			Unit	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)
19	03/09/02(d)	Double Bituminous Surface Treatment-14mm nominal size aggregate followed by 10mm (Machine Method) (Bitumen Grade 60/70)	Sq Meter	337.00	346.00	319.00	327.00	333.00
20	03/10/01(a)	Dense Bituminous Surfacing-Base Course (Plant Method) (Bitumen Grade 80/100)	cu meter	22,861.00	21,853.00	22,841.00	22,147.00	21,850.00
21	03/10/01(b)	Dense Bituminous Surfacing-Base Course (Plant Method) (Bitumen Grade 60/70)	cu meter	23,144.00	22,136.00	23,124.00	22,430.00	22,133.00
22	03/10/02(a)	Dense Bituminous Surfacing - Wearing Course (Plant Method) (Bitumen Grade 80/100)	cu meter	23,972.99	22,984.41	24,010.66	23,354.87	22,943.22
23	03/10/02(b)	Dense Bituminous Surfacing - Wearing Course (Plant Method) (Bitumen Grade 60/70)	cu meter	24,325.00	23,336.00	24,362.00	23,707.00	23,295.00
24	03/11/01	Premix Bituminous Carpeting	cu metre	20,841.00	19,648.00	20,666.00	19,776.00	19,831.00
25	03/12/02	12 mm Compacted Premix Bituminous Seal Coat	sq. metre	185.00	176.00	186.00	180.00	177.00
26	03/12/03	15 mm Compacted Premix Bituminous Seal Coat	sq. metre	227.00	217.00	228.00	221.00	217.00
27	03/13/01(a)	"125 mm Thick Brick on End Edging (1st Class)"	Lin. Metre	199.00	215.00	185.00	172.00	189.00
28	03/13/01(b)	"125 mm Thick Brick on End Edging (Machine Made)"	Lin. Metre	233.00	249.00	219.00	205.00	223.00
29	03/13/02(a)	Single Layer Brick Flat Soling i/c 75mm thick compacted sand cushion (1st Class)	sq. metre	555.00	592.00	522.00	496.00	535.00
30	03/13/02(b)	Single Layer Brick Flat Soling i/c 75mm thick compacted sand cushion (Machine Made)	sq. metre	636.00	673.00	604.00	577.00	616.00
31	03/13/03(a)	Herring Bond Brick Pavement i/c 12mm sand cushion (1st Class)	sq. metre	780.00	844.00	726.00	673.00	740.00
32	03/13/03(b)	Herring Bond Brick Pavement i/c 12mm sand cushion (Machine Made)	sq. metre	915.00	979.00	861.00	808.00	875.00
33	03/14/02(a)	Dry Lean Concrete Class-20 (Concrete Mixture).	cu meter	13,961.00	12,929.00	13,482.00	12,802.00	13,454.00
34	03/14/02(b)	Dry Lean Concrete Class-20 (Batching Plant without Concrete Paver).	cu meter	15,348.00	14,357.00	14,870.00	14,230.00	14,842.00



# Roads and Highways Department Ministry of Road Transport and Bridges



(All Prices in Taka)

Sl. No	Item Code	Description.	Unit	Dhaka	Sylhet	Khulna	Rajshahi	Chattogram
				Mymenisngh & Cumilla Zone	Zone	Barisal & Gopalganj Zone	& Rangpur Zone	Zone
			Unit	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)
35	03/14/02(c)	Dry Lean Concrete Class-20 (Batching Plant with Concrete Paver).	cu meter	15,537.00	14,558.00	15,058.00	14,431.00	15,030.00
36	03/15/01(a)	Cement Concrete Pavement (Concrete Class-25) (Concrete Mixture).	cu meter	16,513.00	15,551.00	16,084.00	15,441.00	16,042.00
37	03/15/01(b)	Cement Concrete Pavement (Concrete Class-25) (Batching Plant without Concrete Paver).	cu meter	17,882.00	16,962.00	17,454.00	16,851.00	17,412.00
38	03/15/01(c)	Cement Concrete Pavement (Concrete Class-25) (Batching Plant with Concrete Paver).	cu meter	18,222.00	17,314.00	17,794.00	17,204.00	17,752.00
39	03/15/01(d)	Precast RCC Pavement slab (Concrete Class-25) (Batching Plant)	cu meter	22,035.00	21,100.00	21,582.00	20,983.00	21,538.00
40	03/15/02(a)	Cement Concrete Pavement (Concrete Class-30) (Concrete Mixture).	cu meter	17,375.00	16,385.00	16,932.00	16,270.00	16,889.00
41	03/15/02(b)	Cement Concrete Pavement (Concrete Class-30) (Batching Plant without Concrete Paver).	cu meter	18,634.00	17,741.00	18,191.00	17,627.00	18,148.00
42	03/15/02(c)	Cement Concrete Pavement (Concrete Class-30) (Batching Plant with Concrete Paver).	cu meter	18,990.00	18,097.00	18,547.00	17,983.00	18,504.00
43	03/15/02(d)	Precast RCC Pavement slab (Concrete Class-30) (Batching Plant)	cu meter	22,911.00	21,944.00	22,442.00	21,823.00	22,398.00
44	03/15/03(a)	Cement Concrete Pavement (Concrete Class-35) (Concrete Mixture).	cu meter	17,600.00	16,677.00	17,173.00	16,562.00	17,128.00
45	03/15/03(b)	Cement Concrete Pavement (Concrete Class-35) (Batching Plant without Concrete Paver).	cu meter	18,815.00	17,953.00	18,388.00	17,839.00	18,342.00
46	03/15/03(c)	Cement Concrete Pavement (Concrete Class-35) (Batching Plant with Concrete Paver).	cu meter	19,171.00	18,309.00	18,744.00	18,195.00	18,698.00
47	03/15/03(d)	Precast RCC Pavement slab (Concrete Class-35) (Batching Plant)	cu meter	23,417.00	22,379.00	23,110.00	22,258.00	22,839.00
48	03/15/03(e)	Cement Concrete Pavement (Concrete Class-40) (Batching Plant without Concrete Paver).	cu meter	19,054.00	18,193.00	18,627.00	18,079.00	18,582.00
49	03/15/03(f)	Cement Concrete Pavement (Concrete Class-40) (Batching Plant with Concrete Paver).	cu meter	19,410.00	18,548.00	18,983.00	18,434.00	18,937.00



# Roads and Highways Department Ministry of Road Transport and Bridges



## Division 4 – Foundation Work

(All Prices in Taka)

Sl. No	Item Code	Description.	Unit	Dhaka	Sylhet	Khulna	Rajshahi	Chattogram
				Mymenisngh & Cumilla Zone	Zone	Barisal & Gopalganj Zone	& Rangpur Zone	Zone
				Rate (Tk.)	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)
1	04/01/01(a)	Bored Cast in Place Piles (dia. 400mm)	Lin. Metre	2,461.00	2,323.00	2,423.00	2,308.00	2,393.00
2	04/01/01(b)	Bored Cast in Place Piles [dia 600mm]	Lin. Metre	5,592.00	5,278.00	5,508.00	5,245.00	5,438.00
3	04/01/01(c)	Bored pile cast in place piles (dia 750 mm)	Lin. Metre	8,818.00	8,332.00	8,687.00	8,280.00	8,580.00
4	04/01/01(d)	Bored cast in place Piles (dia 900mm)	Lin. Metre	13,129.00	12,426.00	12,942.00	12,352.00	12,787.00
5	04/01/01(e)	Bored cast in Place Piles (dia 1000mm)	Lin. Metre	15,406.00	14,550.00	15,174.00	14,459.00	14,983.00
6	04/01/01(f)	Bored cast in Place Piles (dia 1200mm)	Lin. Metre	22,813.00	21,546.00	22,470.00	21,411.00	22,187.00
7	04/01/01(g)	Bored cast in Place Piles (dia 1500mm)	Lin. Metre	40,667.00	38,408.00	40,055.00	38,168.00	39,550.00
8	01/04/04	High Yield Deformed Steel Reinforcing Bars	Tonne	92,710.00	92,918.00	94,004.00	93,564.00	92,064.00
9	04/01/05(a)	Permanent steel Casing (6mm thick ,dia 400mm)	Lin. Metre	8,001.00	8,001.00	8,001.00	8,001.00	8,001.00
10	04/01/05(b)	Permanent steel casing (6mm thick,dia 600mm)	Lin. Metre	11,625.00	11,625.00	11,625.00	11,625.00	11,625.00
11	04/01/05(c)	Permanent steel casing (6mm thick, dia750mm)	Lin. Metre	14,471.00	14,471.00	14,471.00	14,471.00	14,471.00
12	04/01/05(d)	Permanent steel casing (10mm thick, 600mm dia)	Lin. Metre	18,683.00	18,683.00	18,683.00	18,683.00	18,683.00
13	04/01/05(e)	Permanent steel casing (10mm thick, 750mm dia)	Lin. Metre	23,315.00	23,315.00	23,315.00	23,315.00	23,315.00
14	04/01/05(f)	Permanent steel casing (10mm thick, 900mm dia)	Lin. Metre	27,899.00	27,899.00	27,899.00	27,899.00	27,899.00
15	04/01/05(g)	Permanent steel casing (10 mm thick, 1000mm dia)	Lin. Metre	30,887.00	30,887.00	30,887.00	30,887.00	30,887.00
16	04/01/05(h)	Permanent steel casing (10 mm thick, 1200mm dia)	Lin. Metre	37,012.00	37,012.00	37,012.00	37,012.00	37,012.00
17	04/01/05(i)	Permanent steel casing (10 mm thick, 1500mm dia)	Lin. Metre	46,022.00	46,022.00	46,022.00	46,022.00	46,022.00
18	04/02/01(a)	Driven Pre-cast Piles (a) 300x300mm	Lin. Metre	2,239.00	2,133.00	2,212.00	2,122.00	2,190.00
19	04/02/01(b)	Driven Precast Piles (b) 350x350mm	Lin. Metre	2,847.00	2,705.00	2,811.00	2,691.00	2,781.00
20	04/02/01(c)	Driven Pre-cast Pile (c) 400x400mm	Lin. Metre	3,464.42	3,281.28	3,417.25	3,262.82	3,378.28



# Roads and Highways Department Ministry of Road Transport and Bridges



(All Prices in Taka)

Sl. No	Item Code	Description.	Unit	Dhaka	Sylhet	Khulna	Rajshahi	Chattogram
				Mymenisngh & Cumilla Zone	Zone	Barisal & Gopalganj Zone	& Rangpur Zone	Zone
			Unit	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)
21	04/02/02	Driven Precast Pilot Piles	Lin. Metre	762.00	752.00	762.00	752.00	762.00
22	04/02/04	High Yield Reinforcement Bars	Tonne	92,710.00	92,918.00	94,004.00	93,564.00	92,064.00
23	04/03/01	King Post	Lin. Metre	820.00	827.00	760.00	757.00	814.00
24	04/03/02	Raker Piles (including Tie Bars)	Lin. Metre	1,168.00	1,178.00	1,082.00	1,078.00	1,160.00
25	04/03/03	Precast Planks (including Reinforcement Steel)	Sq Metre	3,384.00	3,410.00	3,261.00	3,252.00	3,361.00
26	04/03/05	High Yield Deformed Steel Reinforcing Bars to King Posts and Raker Piles	Tonne	92,710.00	92,918.00	94,004.00	93,564.00	92,064.00
27	04/04/01(a)	Load Test on Cast In Place Working Pile (Proof Load to be specified in BoQ)50 Ton	Number	99,486.00	96,509.00	99,486.00	97,608.00	100,145.00
28	04/04/01(b)	Load test on cast in place piles (For 100 Ton)	Number	174,847.00	168,995.00	174,847.00	171,193.00	176,166.00
29	04/04/01(c)	Load Test on cast in place piles (For 200 Ton)	Number	299,600.00	289,880.00	299,600.00	294,275.00	302,237.00
30	04/04/02	Load Test on Cast in Place Pilot Pile (Proof load to be specified in BoQ)	Number	-	-	-	-	-
31	04/04/03	Load Test on Pilot Driven Pile (Proof load to be specified in the BoQ)	Number	-	-	-	-	-
32	04/05/01	Bitumen Slip Layer to Concrete Piles	Sq Metre	222.00	225.00	232.00	237.00	218.00
33	04/06/01(a)	Driven Bullah Piles ( Dimensions to be stated in BoQ)(125-150mm)	Lin. Metre	724.00	719.00	724.00	719.00	724.00
34	04/06/01(b)	Driven Bullah Pile (150-175mm dia)	Lin. Metre	808.00	801.00	808.00	801.00	808.00
35	04/06/01(c)	Driven Bullah Pile (175-200mm dia)	Lin. Metre	975.00	967.00	975.00	967.00	975.00
36	04/06/01(d)	Driven Bullah Pile (200-225mm dia)	Lin. Metre	1,167.00	1,155.00	1,167.00	1,155.00	1,167.00
37	04/07/01	Cutting Edge (Well Shoe)	Ton	110,072.00	109,582.00	110,147.00	109,620.00	110,034.00
38	04/07/02	Class-20 Concrete for RCC Well	cum	14,874.00	14,773.00	14,874.00	14,773.00	14,874.00
39	04/07/03	Concrete in Top/Bottom Plugging	cum	14,919.00	13,920.00	14,468.00	13,695.00	14,356.00

\* Rate for this item shall be analysed as per actual requirement



# Roads and Highways Department Ministry of Road Transport and Bridges



(All Prices in Taka)

Sl. No	Item Code	Description.	Unit	Dhaka	Sylhet	Khulna	Rajshahi	Chattogram
				Mymenisngh & Cumilla Zone	Zone	Barisal & Gopalganj Zone	& Rangpur Zone	Zone
				Rate (Tk.)	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)
40	04/07/04(a)	Labor for Well Sinking (Size 5000mmX10000mm) Depth 0m-6m	Metre	24,457.00	24,034.00	24,457.00	24,034.00	24,457.00
41	04/07/04(b)	Labor for Well Sinking (Size 5000mmX10000mm) Depth 6m-12m	Metre	37,497.00	37,195.00	37,497.00	37,195.00	37,497.00
42	04/07/04(c)	Labor for Well Sinking (Size 5000mmX10000mm) Depth 12m-18m	Metre	42,415.00	42,114.00	42,415.00	42,114.00	42,415.00
43	04/07/04(d)	Labor for Well Sinking (Size 5000mmX10000mm) Depth 18m-24m	Metre	53,874.00	53,517.00	53,874.00	53,517.00	53,874.00
44	04/07/04(e)	Labor for Well Sinking (Size 5000mmX10000mm) Depth Above 24m	Metre	64,340.00	63,982.00	64,340.00	63,982.00	64,340.00
45	04/07/04(f)	Labor for Well Sinking (Size 4270mmX7940mm) Depth 0m-6m	Metre	16,581.00	16,296.00	16,581.00	16,296.00	16,581.00
46	04/07/04(g)	Labor for Well Sinking (Size 4270mm X 7940mm) Depth 6m-12m	Metre	25,650.00	25,447.00	25,650.00	25,447.00	25,650.00
47	04/07/04(h)	Labor for Well Sinking (Size 4270mmX7940mm) Depth 12m-18m	Metre	28,653.00	28,457.00	28,653.00	28,457.00	28,653.00
48	04/07/04(i)	Labor for Well Sinking (Size 4270mm X 7940mm) Depth 18m-24m	Metre	36,272.00	36,033.00	36,272.00	36,033.00	36,272.00
49	04/07/04(j)	Labor for Well Sinking (Size 4270mm X 7940mm) Depth Above 24m	Metre	43,503.00	43,259.00	43,503.00	43,259.00	43,503.00
50	04/07/05	Sand Filling	cum	1,309.00	1,250.00	1,353.00	1,366.00	1,381.00
51	04/07/06	High Steel Reinforcement Bars	Ton	93,966.00	94,173.00	95,260.00	94,820.00	93,320.00



# Roads and Highways Department Ministry of Road Transport and Bridges



## Division 5 - Structures

(All Prices in Taka)

Sl. No	Item Code	Description.	Unit	Dhaka	Sylhet	Khulna	Rajshahi	Chattogram
				Mymenisngh & Cumilla Zone	Zone	Barisal & Gopalganj Zone	& Rangpur Zone	Zone
				Rate (Tk.)	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)
1	05/01/01	Single Layer Brick Flat Soling	sq. metre	528.00	566.00	495.00	468.00	507.00
2	05/01/02(a)	Concrete Class as Detailed on Drawings (Class10) (Concrete Mixer)	cu metre	9,725.00	9,996.00	9,344.00	8,970.00	9,517.00
3	05/01/02(b)	Concrete class-20 (Foundation) (Concrete Mixer)	cu metre	14,481.00	13,414.00	14,003.00	13,287.00	13,975.00
4	05/01/02(c)	Concrete class - 20 (Vertical member col. pier, abutment / wing wall, culvert etc.) (Concrete Mixer)	cu metre	16,960.00	15,748.00	16,480.00	15,621.00	16,452.00
5	05/01/02(d)	Concrete class-20 (Girder, cross girder, diaphragm, beam etc) (Concrete Mixer)	cu metre	19,408.00	18,145.00	18,930.00	18,019.00	18,902.00
6	05/01/02(e)	Concrete class-20 (Deck slab, side walk, wheel guard, curb etc (Concrete Mixer)	cu metre	17,232.00	16,052.00	16,753.00	15,926.00	16,725.00
7	05/01/02(f)	Concrete class -20 (rail & post) (Concrete Mixer)	cu metre	21,221.00	19,720.00	20,742.00	19,593.00	20,714.00
8	05/01/02(g)	Concrete Class - 25 (Foundation) (Concrete Mixer)	cu metre	14,595.00	13,605.00	14,155.00	13,489.00	14,130.00
9	05/01/02(h)	Concrete class -25 (Vertical member col. pier, abutment/wing wall, culvert etc) (Concrete Mixer)	cu metre	17,047.00	15,914.00	16,608.00	15,798.00	16,583.00
10	05/01/02(i)	Concrete class - 25 (Girder, beam, cross girder, and diaphragm etc) (Concrete Mixer)	cu metre	19,673.00	18,487.00	19,233.00	18,371.00	19,208.00
11	05/01/02(j)	Concrete class - 25 (RCC/CC Pavement work) (Concrete Mixer)	cu metre	17,852.00	16,666.00	17,412.00	16,550.00	17,387.00
12	05/01/02(k)	Concrete class-30 (Deck slab, side walk, wheel guard, curb etc (Concrete Mixer)	cu metre	18,232.00	17,101.00	17,778.00	16,981.00	17,751.00
13	05/01/02(l)	Concrete Class – 35 (Concrete Mixer)	cu metre	28,715.00	27,660.00	28,429.00	27,548.00	28,193.00
14	05/01/02(m)	Concrete Class – 40 (Pre-stressed Girder) (Concrete Mixer)	cu metre	29,150.00	28,121.00	28,876.00	28,015.00	28,644.00
15	05/01/03(a)	Concrete Class as Detailed on Drawings (Class10) (Batching Plant)	cu metre	10,509.00	10,339.00	10,481.00	10,438.00	10,566.00
16	05/01/03(b)	Concrete class-20 (Foundation) (Batching Plant)	cu metre	16,284.00	15,216.00	15,805.00	15,089.00	15,777.00
17	05/01/03(c)	Concrete class - 20 (Vertical member col. pier, abutment / wing wall, culvert etc.) (Batching Plant)	cu metre	18,728.00	17,516.00	18,249.00	17,390.00	18,221.00



# Roads and Highways Department Ministry of Road Transport and Bridges



(All Prices in Taka)

Sl. No	Item Code	Description.	Unit	Dhaka	Sylhet	Khulna	Rajshahi	Chattogram
				Mymenisngh & Cumilla Zone	Zone	Barisal & Gopalganj Zone	& Rangpur Zone	Zone
			Unit	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)
18	05/01/03(d)	Concrete class-20 (Girder, cross girder, diaphragm, beam etc) (Batching Plant)	cu metre	21,166.00	19,903.00	20,687.00	19,776.00	20,659.00
19	05/01/03(e)	Concrete class-20 (Deck slab, side walk, wheel guard, curb etc) (Batching Plant)	cu metre	18,990.00	17,810.00	18,511.00	17,683.00	18,483.00
20	05/01/03(f)	Concrete class -20 (rail & post) (Batching Plant)	cu metre	22,979.00	21,478.00	22,500.00	21,351.00	22,472.00
21	05/01/03(g)	Concrete Class - 25 (Foundation) (Batching Plant)	cu metre	16,286.00	15,296.00	15,847.00	15,180.00	15,821.00
22	05/01/03(h)	Concrete class -25 (Vertical member col, pier, abutment/wing wall, culvert etc) (Batching Plant)	cu metre	18,827.00	17,694.00	18,388.00	17,578.00	18,363.00
23	05/01/03(i)	Concrete class - 25 (Girder, beam, cross girder, and diaphragm etc) (Batching Plant)	cu metre	21,417.00	20,232.00	20,978.00	20,116.00	20,952.00
24	05/01/03(j)	Concrete class - 25 (RCC/CC Pavement work) (Batching Plant)	cu metre	19,597.00	18,412.00	19,158.00	18,296.00	19,132.00
25	05/01/03(k)	Concrete class-30 (Deck slab, side walk, wheel guard, curb etc) (Batching Plant)	cu metre	19,986.00	18,855.00	19,532.00	18,735.00	19,506.00
26	05/01/03(l)	Concrete Class - 35 (Batching Plant)	cu metre	29,222.00	28,290.00	28,936.00	28,179.00	28,700.00
27	05/01/03(m)	Concrete Class - 40 (Pre-stressed Girder) (Batching Plant)	cu metre	29,657.00	28,752.00	29,383.00	28,645.00	29,151.00
28	05/02/02	High Yield Reinforcement Bars	Tonne	91,203.00	91,461.00	92,497.00	92,108.00	90,557.00
29	05/02/03	Wire Mesh Reinforcement	Tonne	83,435.00	84,082.00	84,754.00	84,742.00	82,776.00
30	05/03/01	Prestressing Wire or Strand	Tonne	278,585.00	278,585.00	278,585.00	278,585.00	278,585.00
31	05/04/01	Modification to Existing Concrete	cu metre	10,109.00	10,109.00	10,109.00	10,109.00	10,109.00
32	05/04/02	Concrete Surface Repair Works (Superstructures)	sq. metre	217.00	217.00	217.00	217.00	217.00
33	05/04/03	Concrete Surface Repair Works (Substructures)	sq. metre	289.00	289.00	289.00	289.00	289.00
34	*05/04/04	Resin Repair Mortars	Kg	-	-	-	-	-
35	05/04/05	Cement Mortar in Cracks	Lin. Metre	70.00	68.00	70.00	68.00	70.00
36	05/04/06	Anchor and Tie Bars	Tonne	2,009.00	2,009.00	2,009.00	2,009.00	2,009.00
37	05/05/01	New and Extended Brickwork	cu metre	8,896.00	9,256.00	8,479.00	8,095.00	8,652.00
38	05/05/02	Brick Drainage Layer	cu metre	5,902.00	6,354.00	5,511.00	5,106.00	5,608.00
39	05/05/03	Replacement of Defective Existing brick	cu metre	14,193.00	14,485.00	13,783.00	13,302.00	13,937.00
40	05/05/04	Repointing of Existing Brickwork Joints	sq. metre	622.00	612.00	620.00	619.00	626.00
41	*05/05/05	Steel Tie Bars and Pattress Plates	Tonne	-	-	-	-	-
42	05/06/01	Preparation and Painting of Existing Structures	sq. metre	597.00	577.00	597.00	577.00	597.00
43	*05/07/01	Carriage of Bridge Steelwork from Port to Site	Tonne	-	-	-	-	-
44	*05/07/02	Fixing of bearings for Unit Bridging	Number	-	-	-	-	-

\* Rate for this item shall be analysed as per actual requirement



# Roads and Highways Department

## Ministry of Road Transport and Bridges



(All Prices in Taka)

Sl. No	Item Code	Description.	Unit	Dhaka	Sylhet	Khulna	Rajshahi	Chattogram
				Mymenisngh & Cumilla Zone	Zone	Barisal & Gopalganj Zone	& Rangpur Zone	Zone
				Rate (Tk.)	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)
45	*05/07/03	Supply and Fixing of Elastomeric Bearings for Composite Bridge Construction	Number	-	-	-	-	-
46	*05/07/04	Assembly and Installation of Unit Bridging	Lin. Metre	-	-	-	-	-
47	*05/07/05	Installation of Steelwork for Composite Bridge Construction.	Tonne	-	-	-	-	-
48	*05/07/06	Installation of Steel Post and Barrier Parapet to Reinforced Concrete Deck Slab	Lin. Metre	-	-	-	-	-
49	**05/08/01	Expansion Joint complete as detailed on the Drawings in the location described in the BoQ. (Updated with new drawing/2014)	Lin. Metre	13,186.00	13,186.00	13,186.00	13,186.00	13,186.00
50	05/08/02	Bridge Deck Joint Complete as detailed on the Drawings.	Lin. Metre	-	-	-	-	-
51	05/09/01	Provision and Fixing of drainage to structures as detailed on the Drawings.	Lump sum	-	-	-	-	-
52	05/10/01	Embedment of Inserts and Fittings	Lump Sum	-	-	-	-	-
53	05/12/01(a)	Supply and Installation of Pot bearings (Size-500X500X72)	Number	-	-	-	-	-
54	05/12/1(b)	Supply and Installation of Pot bearings (Size-500X450X72)	Number	-	-	-	-	-
55	05/12/01(c)	Supply and Installation of Pot bearings (Size-400X300X72)	Number	-	-	-	-	-
56	05/12/02	Supply and Installation of Shock Transmission units	Number	-	-	-	-	-
57	05/13/01(a)	Neoprene rubber bearing or Elastomeric bearing supplying & fitting fixing, etc.	Number	17,247.00	17,365.00	19,836.00	17,239.00	17,267.00
58	05/13/01(b)	Neoprene rubber bearing or Elastomeric bearing supplying & fitting fixing, (b), etc.	Number	20,009.00	20,128.00	22,598.00	20,001.00	20,030.00
59	05/14/01(b)	Double Single Bailey Bridge or Acrow panel (Erecting and Assembling).	Lin. Metre	3,798.00	3,760.00	3,798.00	3,760.00	3,798.00
60	05/14/01(c)	Calender Hamilton Truss Bridge (Erecting and Assembling)	Lin. Metre	12,897.00	12,784.00	12,897.00	12,784.00	12,897.00
61	05/14/02(b)	Double Single Bailey Bridge or Acrow panel (Delaunching).	Lin. Metre	2,581.00	2,566.00	2,581.00	2,566.00	2,581.00
62	05/14/02(c)	Calender Hamilton Truss Bridge (Delaunching).	Lin. Metre	8,916.00	8,811.00	8,916.00	8,811.00	8,916.00
63	05/15/01	Mobilization for railing type work, etc.	Lin. Metre	2,612.00	2,567.00	2,612.00	2,567.00	2,612.00
64	05/16/01	Dismantling of deck slab, thickness 175mm.	Sq Metre	6,757.00	6,375.00	6,757.00	6,375.00	6,757.00
65	05/16/02	Steel Beam (W 530 x 167)	Lin. Metre	11,306.00	11,293.00	11,435.00	11,287.00	11,307.00

\*\* This rate is applicable for newly designed Expansion Joint (Strip Seal Type) already approved by Bridge Management Wing, RHD on February 2014.

\* Rate for this item shall be analysed as per actual requirement



# Roads and Highways Department Ministry of Road Transport and Bridges



## Division 6 - Incidental

(All Prices in Taka)

Sl. No	Item Code	Description.	Unit	Dhaka	Sylhet	Khulna	Rajshahi	Chattogram
				Mymenisngh & Cumilla Zone	Zone	Barisal & Gopalganj Zone	& Rangpur Zone	Zone
			Unit	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)
1	06/01/01	Grouted Riprap Pavement	sq. metre	2,895.00	2,472.00	2,752.00	2,389.00	2,709.00
2	06/01/02	Concrete Slope Protection	sq. metre	1,709.00	1,629.00	1,678.00	1,614.00	1,657.00
3	06/01/03	Loose stone Riprap Protection	cu metre	8,590.00	6,945.00	7,962.00	6,568.00	7,836.00
4	06/01/04	Concrete Cut-Off	cu metre	18,884.00	17,780.00	18,550.00	17,629.00	18,321.00
5	06/02/01	Reinforced Concrete Culvert Pipe - Class A bedding	Lin. Metre	5,990.00	5,724.00	5,897.00	5,699.00	5,891.00
6	06/02/02	Reinforced Concrete Culvert Pipe - Class B bedding	Lin. Metre	2,819.00	2,713.00	2,876.00	2,757.00	2,807.00
7	06/03/01	Manhole (Diameter to be stated in the BoQ)	Number	-	-	-	-	-
8	06/03/02	Catch Basin (Diameter to be stated in the BoQ)	Number	-	-	-	-	-
9	06/03/03	Concrete Side Ditch/ U-Drain	Lin. Metre	-	-	-	-	-
10	06/03/04	Brick Headwall to Culvert Pipe (Pipe diameter to be stated in the BoQ)	Number	-	-	-	-	-
11	06/04/01	Concrete Kerb (as detailed on the drawings)	Lin. Metre	-	-	-	-	-
12	06/04/02	Combined Concrete Kerb and Gutter (as detailed on the drawings)	Lin. Metre	-	-	-	-	-
13	06/05/01	Road Marking-Thermoplastic Material (indicate if screed or spray application)	Sq Metre	1,114.00	1,113.00	1,114.00	1,113.00	1,114.00
14	06/05/02	Road Marking - Road marking Paint	Sq Metre	499.00	498.00	499.00	498.00	499.00
15	06/05/03	Reflecting Road Studs	Number	917.00	917.00	917.00	917.00	917.00
16	06/05/04	Application of Ballotini	Sq Metre	126.00	126.00	126.00	126.00	126.00
17	06/06/01	Topsoil	cu metre	553.00	509.00	509.00	491.00	540.00
18	06/07/01	Grass Sodding	Sq Metre	42.00	40.00	42.00	40.00	42.00
19	06/07/02	Grass Turfing	Sq Metre	42.00	40.00	42.00	40.00	42.00
20	06/08/01	Guardrail	Lin. Metre	-	-	-	-	-
21	06/09/01	Concrete Monument	Number	-	-	-	-	-
22	06/09/02	Concrete Post	Number	-	-	-	-	-
23	06/10/01	Traffic Signs	Number	5,651.00	5,651.00	5,651.00	5,651.00	5,651.00
24	06/10/02	Sign Post	Number	3,140.00	3,140.00	3,140.00	3,140.00	3,140.00
25	06/11/01	Rumble strips (Bituminous Concrete Volume)	cum	16,311.00	15,652.00	16,464.00	15,995.00	15,617.00
26	06/11/02	Road Marking Thermoplastic Material (by spray)		1,078.00	1,078.00	1,078.00	1,078.00	1,078.00
27	06/12/01	Geotextile Filter Fabric (as detailed on the Drawings)	Sq Metre	217.00	216.00	217.00	216.00	217.00
28	06/12/02	Furnishing and installing Matress (as detailed on the drawings)	Sq Metre	1,600.00	1,593.00	1,605.00	1,596.00	1,598.00
29	06/13/01(a)	Bullah Palisiding (150mm – 175mm)	Lin. Metre	10,032.00	9,902.00	10,032.00	9,902.00	10,032.00



# Roads and Highways Department Ministry of Road Transport and Bridges



(All Prices in Taka)

Sl. No	Item Code	Description.	Unit	Dhaka	Sylhet	Khulna	Rajshahi	Chattogram
				Mymensingh & Cumilla Zone	Zone	Barisal & Gopalganj Zone	& Rangpur Zone	Zone
				Rate (Tk.)	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)	Rate (Tk.)
30	06/13/01(b)	Bullah Palisiding (Local Bullah : 150mm – 200mm)	Lin. Metre	7,604.00	7,474.00	7,604.00	7,474.00	7,604.00
31	06/14/01	Mobilization for deck slab repairing work, etc.	Sq Metre	1,168.00	1,145.00	1,168.00	1,145.00	1,168.00
32	06/15/01	Concrete Guide Post (1.6 m long, 200mm dia)	No.	2,359.00	2,269.00	2,338.00	2,266.00	2,322.00
33	06/16/01	Concrete Kilometer Post (As per drawing)	No.	9,048.00	8,733.00	8,811.00	8,481.00	8,825.00
34	06/17/01(a)	RCC Palisiding (4m post, 200mm X 200mm)	Lin. Metre	10,328.00	9,934.00	10,251.00	9,925.00	10,171.00
35	06/17/01(b)	RCC Palisiding (3m post, 150mm X 150mm)	Lin. Metre	6,809.00	6,514.00	6,753.00	6,504.00	6,713.00
36	06/18/1(a)	Supplying various disease free strong & healthy forest, medicinal, fruits & ornamental plant 1.52m to 1.82m height without tubs to the work site including loading, carrying & unloading. The total assignment must be executed as per instruction of the officer in charge.	nos	12.00	12.00	12.00	12.00	12.00
37	06/18/1(b)	Make a pit of size of 0.46m (length) x 0.46m (width) x 0.46m (depth) and fill up with the mixture of cow dung & soil and then planted the sapling in the pit. The total assignment must be executed as per instruction of the officer in charge.	nos	3.00	3.00	3.00	3.00	3.00
38	06/18/1(c)	0.25 cft cow dung must put in each pit which will be supplied by the supplier, Loading, carrying, unloading &hipped at different point of work site for use. The total assignment must be executed as per instruction of the officer in charge.	nos	6.91	6.91	6.91	6.91	6.91
39	06/18/1(d)	Bamboo stick of Borak baush of 19.05mm dia & 1.82 m height must be providing, fitting, fixing & tied with jute rope to support the sapling against wind disturbances. The total assignment must be executed as per instruction of the officer in charge.	nos	5.00	5.00	5.00	5.00	5.00
40	06/18/1(e)	One experienced mali must be appointed fully temporary basis for 2 (two) years maintenance period in each planting kilometer for maintain & surveillance of the planting site. Each Mali will be paid taka of quoted amount per month for maintenance & surveillance the plant. The total assignment must be executed as per instruction of the officer in charge.	"Person/ Month/km"	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00

**Special Note :** For Remote area under each Zone, the rate of each and every item of all the Divisions (1-6) of Schedule of Rate will be enhanced by 5%. The list of the "Remote Area" are as follows :

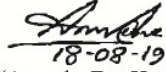
- 1 ) Mymensingh Zone : Austragram, Itna, Mithamain and Khalijuri Upazillas.
- 2 ) Sylhet Zone : Azmiriganj, Dharmapasha, Shullah and Tahirpur Upazillas.
- 3 ) Barisal Zone : Hizla, Muladi, Mehendiganj, Monpura and Rangabali Upazillas.
- 4 ) Chattogram Zone : Swandip, Kutubdia Upazillas and Khagrachari Rangamati, Bandarban Hill Districts, Moheskhali.
- 5 ) Cumilla Zone : Hatia Upazilla.



# Roads and Highways Department Ministry of Road Transport and Bridges



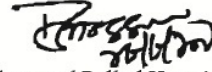
## Signature of the officers responsible for the preparation of RHD Schedule of Rates 2019 :

  
18-08-19

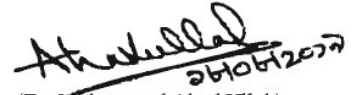
(Annesha Das Hasi)  
Sub-Divisional Engineer (A.C) RHD  
Material Testing &  
Maintenance Sub-Division  
Road Laboratory, Mirpur, Dhaka  
and  
Member of Committee.

  
18-08-19

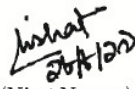
(Md. Tanveer Hossain)  
Executive Engineer (CC), RHD  
Periodic Maintenance Division-1  
Sarak Bhaban, Tejgaon, Dhaka  
and  
Co-opt Member of Committee.

  
26/08/2019

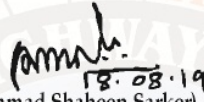
Mohammad Bulbul Hossain  
Executive Engineer, RHD  
Road Design & Standard Division,  
Alenbari, Tejgaon, Dhaka  
and  
Member of Committee.

  
26/08/2019

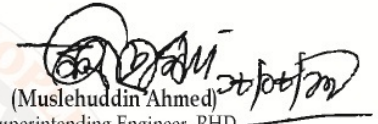
(Dr. Mohammad Ahad Ullah)  
Executive Engineer, RHD  
Comilla Road Division  
Comilla  
and  
Member of Committee.

  
26/8/2019

(Nisat Noman)  
Executive Engineer, RHD  
Documentation & Procurement Division  
Sarak Bhaban, Tejgaon, Dhaka  
and  
Member of Committee.

  
18.08.19

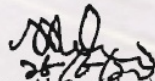
(Mohammad Shaheen Sarker)  
Executive Engineer, RHD  
Road Safety Division,  
Alenbari, Tejgaon, Dhaka  
and  
Member of Committee.

  
26/08/2019

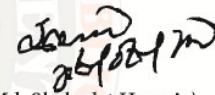
(Muslehuddin Ahmed)  
Superintending Engineer, RHD  
Workshop Circle,  
Sarak Bhaban, Tejgaon, Dhaka  
and  
Member of Committee.

  
26/08/2019

(Md. Harizur Rahman)  
Superintending Engineer (C.C), RHD  
Planning & Data Circle,  
Alenbari, Tejgaon, Dhaka  
and  
Member of Committee.

  
26/08/2019

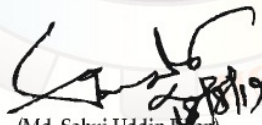
(Ashma Akhter Jahan)  
Superintending Engineer (C.C), RHD  
Planning & Programming Circle,  
Sarak Bhaban, Tejgaon, Dhaka  
and  
Member of Committee.

  
26/08/2019

(Md. Shahadat Hossain)  
Superintending Engineer (CC), RHD  
Bridge Design Circle,  
Sarak Bhaban, Tejgaon, Dhaka  
and  
MembK of Committee.

  
26/08/2019

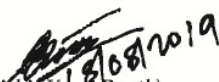
(Md. Faruk Hossain)  
Additional Project Director (SE) (CC), RHD  
SASEC Road Connectivity Project-2,  
Sarak Bhaban, Tejgaon, Dhaka  
and  
Member of Committee.

  
26/08/2019

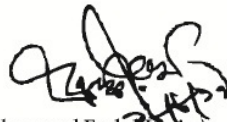
(Md. Sabuj Uddin Khan)  
Superintending Engineer, RHD  
Dhaka Road Circle,  
Alenbari, Tejgaon, Dhaka  
and  
Member of Committee.

  
26/08/2019

(Dr. Md. Abdullah Al Mamun)  
Director (SE), RHD  
Road Laboratory,  
Mirpur, Dhaka  
and  
Member Secretary of Committee.

  
18/08/2019

(Shashir Kanti Routh)  
Additional Project Director (SE), RHD  
3rd Sitalakhaya Bridge Project,  
Banani, Dhaka  
and  
Member of Committee.

  
26/08/2019

(A. K. Mohammad Fazlul Karim)  
Superintending Engineer, RHD  
Road Design & Safety Circle,  
Alenbari, Tejgaon, Dhaka  
and  
Member of Committee.

  
26/08/2019

(Md. Abdul Wahid)  
Additional Chief Engineer (C.C), RHD  
Technical Services Wing,  
Alenbari, Tejgaon, Dhaka  
and  
Chairman of Committee.



# Roads and Highways Department Ministry of Road Transport and Bridges



**Table-1 : FPS and Metric System Conversion**

## Annexure-I

FPS	METRIC	METRIC	FPS
1 inch	25.40 mm = 2.54 cm	1 mm	0.03937 inch
1 foot	30.48 cm = 0.3048 m	1 metre	3.28 feet
1 mile	1.609 km	1 km	0.6214 mile
1 gallon (UK)	4.546 litre	1 litre	0.22 gallon
1 pound	0.4536 kg	1 kg	2.205 pound
1 ton	1.016 tonne	1 tonne	0.984 ton
1 in <sup>2</sup>	6.452 cm <sup>2</sup>	1 cm <sup>2</sup>	0.155 in <sup>2</sup>
1 ft <sup>2</sup>	0.093 m <sup>2</sup>	1 m <sup>2</sup>	10.764 ft <sup>2</sup>

**Table-2 : CROSS-SECTIONAL AREA AND MASS OF ROUND BAR**

Nominal Size (dia in mm)	Bar No.	Cross-sectional area in mm <sup>2</sup>	Perimeter in mm	Mass per running meter in kg	Length per 100kg in meter
4		12.6	12.7	0.099	1010.10
5		19.6	15.71	0.154	644.35
6	2	28.3	18.85	0.222	450.45
7		38.5	21.99	0.302	331.12
8		50.3	25.13	0.395	253.16
10	3	78.5	31.42	0.616	162.34
12	4	113.0	37.7	0.888	112.61
16	5	201.0	50.27	1.579	63.33
20	6	314.0	62.83	2.466	40.55
22	7	380.0	69.11	2.980	33.56
25	8	491.0	78.54	3.854	25.95
28	9	616.0	87.96	4.830	20.70
32	10	804.0	100.53	6.313	15.80
40		1257.0	125.66	9.864	10.14



# Roads and Highways Department Ministry of Road Transport and Bridges



## Annexure-I

**Table-3 : CBR & Compaction of Pavement Works (as per General Specifications, June 2016)**

Layer	CBR % (4 days shocked)	Compaction %
Base Course (Type-1)	Not less than 80%	98%
Base Course (Type-2)	Not less than 50%	98%
Sub-Base	Not less than 25%	98%
ISG	Not less than 8%	95%
Sub-grade	Not less than 6%	95%
Embankment	Not less than 4%	98%

**Table-4 : Frequency of Tests (General Specifications Section 1.3, June 2016)**

	Washed Grading (STP 3.3 / 7.2)	Atterberg Limits (STP 3.2)	Max Dry Density/CBR (STP 4.3 / 4.5, 5.1)	In-situ Density (STP 6.2)	ACV, 10% Fines and LAA (STP 7.7.1, 7.7.2, AASHTO T96)
Earthworks		1/2000 m <sup>3</sup>	1/2000 m <sup>3</sup>	1/1000 m <sup>2</sup>	
Improved Sub- Grade	1/1000 m <sup>3</sup>	1/1000 m <sup>3</sup>	1/1000 m <sup>3</sup>	3/1000 m <sup>2</sup>	
Sub-Base	1/750 m <sup>3</sup>	1/750 m <sup>3</sup>	1/750 m <sup>3</sup>	3/1000 m <sup>2</sup>	1/2000 m <sup>3</sup>
Base	1/500 m <sup>3</sup>	1/500 m <sup>3</sup>	1/500 m <sup>3</sup>	3/1000 m <sup>2</sup>	1/1000 m <sup>3</sup>

**Table-5 : Grading Requirements for Sub-base Materials (General Specifications Section 3.2, June 2016)**

Sieve Size (mm)	Percentage by Weight Passing Sieves	
	Grading A	Grading B
50	100	--
38	90 – 100	--
20	50 – 85	100
10	30 – 65	80 – 100
5	25 – 50	50 - 80
2.4	15 – 38	35 – 65
0.6	8 – 22	15 – 40
0.3	6 – 16	10 – 30
0.075	2 – 8	5-10



# Roads and Highways Department Ministry of Road Transport and Bridges



## Annexure-I

**Table-6 : Grading Requirements for Dense Bituminous Surfacing (Plant Method)  
(General Specifications Section 3.10, June 2016)**

Mix Classification	1	2	3
Course	Base	Base/Wearing Course	Wearing Course
Thickness (mm)	60 - 75	40 - 60	40 - 50
Sieve Size (mm)	Total % by weight passing (including filler)		
25	100	--	--
20	90 - 100	100	100
14	-	85 - 100	85 - 100
10	55 - 82	65 - 90	70 - 90
5	35 - 57	45 - 65	52 - 72
2.4	20 - 40	25 - 45	40 - 58
1.2	15 - 33	15 - 35	30 - 48
0.600	10 - 26	12 - 30	20 - 38
0.300	6 - 20	9 - 20	14 - 28
0.150	5 - 13	5 - 15	8 - 20
0.075	3 - 7	3 - 7	6 - 10
	Bitumen Content by total weight of mixture. Percentage by weight found by analysis		
	4.0 - 6.0	4.5 - 6.5	5.0 - 7.0

**Table-7 : ACV/TFV/LAA of Crushed Aggregate (as per General Specifications, June 2016)**

Type of Base	ACV (%)	Los Angeles Abrasion Value (%)	10% Fine Value
Bituminous Surface Treatment (Plant Method)	Less than 25%	-	Greater than 125KN
Base Type-I	Less than 30%	Less than 35%	-
Base Type-II	Less than 35%	Less than 40%	-
Sub-Base	Not greater than 38%	-	Not Less than 75KN



# Roads and Highways Department Ministry of Road Transport and Bridges



## Basic Items Rate : Materials

## Annexure-II

Sl. No.	Item	Category	Unit	Dhaka Mymensingh Cumilla Zone	Sylhet Zone	Khulna Barisal Gopalganj Zone	Rajshahi Rangpur Zone	Chattogram Zone
1	Sand	FM = 0.5	Cum	420.00	420.00	420.00	470.00	450.00
		FM = 0.8	Cum	500.00	480.00	530.00	560.00	550.00
		FM = 1.0	Cum	640.00	600.00	650.00	680.00	680.00
		FM = 1.8	Cum	1250.00	1175.00	1200.00	1350.00	1350.00
		FM = 2.5	Cum	1850.00	1575.00	2075.00	1750.00	1800.00
2	Cement	OPC	Ton	9000.00	9000.00	9000.00	9000.00	9000.00
3	Reinforcement	60 grade	Ton	62500.00	63000.00	63500.00	63500.00	62000.00
4	Bitumen	80/100 (Bulk)	Ton	54000.00	55000.00	57000.00	59000.00	53000.00
		60/70 (Bulk)	Ton	56000.00	57000.00	59000.00	61000.00	55000.00
		80/100 (Drum)	Ton	54000.00	55000.00	57000.00	59000.00	53000.00
		60/70 (Drum)	Ton	56000.00	57000.00	59000.00	61000.00	55000.00
5	Brick	1st Class	Per 1000	10000.00	11000.00	9200.00	8450.00	9400.00
		Auto Machine Made	Per 1000	12000.00	13000.00	11200.00	10450.00	11400.00
7	Brick Chips	40mm	cum	3900.00	4290.00	3588.00	3296.00	3666.00
		<25mm	cum	4000.00	4390.00	3688.00	3396.00	3766.00
8	Brick P.J.		Nos	10.00	11.00	9.20	8.45	9.40
6	Stone Chips (LAA<25)	25mm	cum	7000.00	6200.00	6600.00	6000.00	6500.00
		14mm	cum	6300.00	5500.00	5900.00	5300.00	5800.00
		12mm	cum	6300.00	5600.00	5900.00	5400.00	5800.00
		9mm	cum	5700.00	5100.00	5300.00	4900.00	5200.00
		38mm	cum	6750.00	5950.00	6350.00	5750.00	6300.00
10	* LAA<30	25mm	cum	-	-	-	-	-
		14mm	cum	-	-	-	-	-
		12mm	cum	-	-	-	-	-
		9mm	cum	-	-	-	-	-
11	Stone Chippings (Pakur)	20mm	cum	8100.00	8500.00	6600.00	6800.00	8000.00
		14mm	cum	7800.00	8200.00	6300.00	6500.00	7700.00
		10mm	cum	7500.00	7900.00	6000.00	6200.00	7400.00
12	Crusher (stone) dust		cum	4000.00	3550.00	3900.00	3400.00	3600.00
13	Boulders 100-200mm		cum	6500.00	5200.00	6000.00	4900.00	5900.00
14	Pea Gravels		cum 2	850.00	2300.00	2600.00	2150.00	2600.00
15	Gravels (as dug)		cum	2470.00	2200.00	2372.22	2219.00	2500.00
16	Fire Wood		Ton	6000.00	7000.00	5725.00	5930.00	5000.00
17	Wooden runner (using 6 times)		cum	6500.00	9225.00	7460.00	8820.00	5000.00
18	Wooden Slepser		LS	358.33	512.50	2420.00	412.00	375.00
19	Bullah Pile	6m long (Dia 150 - 175mm)	Lin. meter	700.00	706.50	1183.00	565.00	500.00
		6m long (Dia 150 - 200mm)	Lin. meter	800.00	866.50	1346.00	614.00	550.00
20	Petrol		ltr	86.00	86.00	86.00	86.00	86.00
21	Diesel		ltr	65.00	65.00	65.00	65.00	65.00

\* Rate for this item shall be analysed as per actual requirement



# Roads and Highways Department Ministry of Road Transport and Bridges



## Annexure-II

Sl. No.	Item	Category	Unit	Dhaka Mymensingh Cumilla Zone	Sylhet Zone	Khulna Barisal Gopalganj Zone	Rajshahi Rangpur Zone	Chattogram Zone
22	Kerosene		ltr	65.00	65.00	65.00	65.00	65.00
23	Soil		cum	210.00	190.00	175.00	175.00	200.00
24	Imported suitable bulk fill		cum	210.00	190.00	175.00	175.00	200.00
25	Plastic Tape	Pks	Pks	262.00	262.00	262.00	262.00	262.00
26	Steel Box for Traffic Management	Nos	Nos	100.00	100.00	100.00	100.00	100.00
27	Water		Cum 1	2.00	2.00	12.00	12.00	12.00
28	Geotextile		sq. m	122.00	122.00	122.00	122.00	122.00
29	G.I wire, nails etc		kg	120.00	120.00	120.00	120.00	120.00
30	Polythene sheet		sq. m	18.00	18.00	18.00	18.00	18.00
31	Wooden form work using 4 times		cum	10000.00	8856.25	10530.00	7133.33	7500.00
32	Nuts, bolts, washers etc		nos	80.00	80.00	80.00	80.00	80.00
33	Paint (Road Marking Berger brand)		Lit.	725.00	725.00	725.00	725.00	725.00
34	Thiner (Jensolin T-4) Berger brand		Lit.	230.00	230.00	30.00	230.00	230.00
38	Bentonite (50kg)		bag	1000.00	1000.00	1000.00	1000.00	1000.00
39	6mm thick steel plate		kg	85.00	85.00	85.00	85.00	85.00
40	Paint		ltr	250.00	250.00	250.00	250.00	250.00
41	Angle Iron (b) 38x38x5mm for pre cast pile shutter using 16 times		tonne	60000.00	60000.00	60000.00	60000.00	60000.00
42	Cost of platform (pre-cast pile) using 5 times		sqm	60.00	60.00	60.00	60.00	60.00
43	F I bar (b) 38x5mm for pre cast pile shutter using 16 times		tonne	60000.00	60000.00	60000.00	60000.00	60000.00
44	Nut bolt for pre cast pile shutter using 16 times		kg	100.00	100.00	100.00	100.00	100.00
45	Pre-cast pile shoe (0.3x0.3m pile)		No	300.00	300.00	300.00	300.00	300.00
46	Steel Plate 2mm for pre cast pile shutter using 16 times		tonne	85000.00	85000.00	85000.00	85000.00	85000.00
47	Nut Bolts (12 mm Dia 125 mm L)		tonne	100000.00	100000.00	100000.00	100000.00	100000.00
48	Angle Iron (62.5x62.5x6mm) using 20 times lin.		metre	370.00	370.00	370.00	370.00	370.00
49	Cost of wooden shutter for concrete using 6 times		sq. m	150.00	150.00	150.00	150.00	150.00
50	Nail		kg	125.00	125.00	125.00	125.00	125.00
51	Admixture		Liter	200.00	200.00	200.00	200.00	200.00
52	Cost of prefabricated steel shutter (using 50 times)		sqm	900.00	900.00	900.00	900.00	900.00
53	Lifting anchorage		No.	600.00	600.00	600.00	600.00	600.00
54	Sica		LS	500.00	500.00	500.00	500.00	500.00
55	Hire cost of shuttering material		sqm	150.00	150.00	150.00	150.00	150.00



# Roads and Highways Department Ministry of Road Transport and Bridges



## Annexure-II

### Unit Rate of Labour

Sl. No.	Category	Unit	Dhaka Mymensingh Cumilla Zone	Sylhet Zone	Khulna Barisal Gopalganj Zone	Rajshahi Rangpur Zone	Chattogram Zone
1	Ganger	Per day	850.0	850.0	850.0	850.0	850.0
2	Fore man	Per day	850.0	850.0	850.0	850.0	850.0
3	Carpenter	Per day	700.0	700.0	700.0	700.0	700.0
4	Asphalt Mistry	Per day	700.0	700.0	700.0	700.0	700.0
5	Mason	Per day	700.0	700.0	700.0	700.0	700.0
6	Steel fixers	Per day	650.0	650.0	650.0	650.0	650.0
7	Welder	Per day	750.0	750.0	750.0	750.0	750.0
8	Painter	Per day	700.0	700.0	700.0	700.0	700.0
9	Painter Helper	Per day	550.0	550.0	550.0	550.0	550.0
10	Skilled	Per day	550.0	520.0	550.0	520.0	550.0
11	Semi-skilled	Per day	500.0	460.0	500.0	460.0	500.0
12	Un-skilled	Per day	450.0	420.0	450.0	420.0	450.0
13	Flag Man	Per day	550.0	460.0	550.0	460.0	550.0
14	Labour cost for fixing and Removing shutter for foundation	sq. metre	150.0	130.0	150.0	130.0	150.0