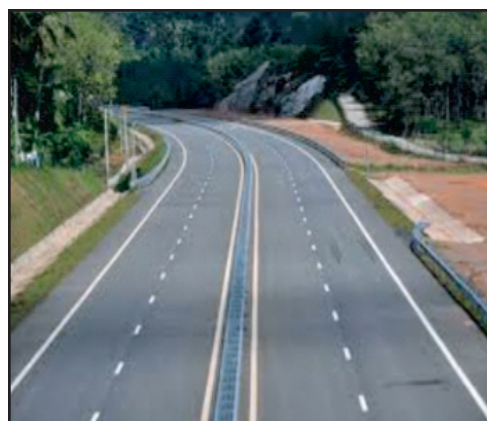




Government of the People's Republic of Bangladesh
Ministry of Road Transport & Bridges
Roads and Highways Department



SCHEDULE OF RATES
(For Road and Bridge Works)

August 2015



Roads and Highways Department

A Department of Ministry of Road Transport and Bridges



Declaration

RHD Schedule of Rates 2015 (For Road and Bridge Works) that has been recommended by the Committee, (formed vide memo no. 499-CE; Dated 11/11/2013) is hereby authenticated and endorsed by the undersigned for official use in Roads and Highways Department (RHD) with effect from 1 July 2015.


8/6/15
2015

Md. Feroz Iqbal

Chief Engineer

Roads and Highways Department

Sarak Bhaban, Tejgaon, Dhaka.



Roads and Highways Department

A Department of Ministry of Road Transport and Bridges



Foreword

The Roads and Highways Department is pleased to publish the RHD Schedule of Rates 2015 for Roads and Bridges Works. Since the last publication of RHD Schedule of Rates in May, 2011, there have been some significant changes in prices of materials, labors and equipment. In addition to price changes, advanced technological development for work accomplishment have been considered for some civil work items. In this context, RHD felt the necessity of updating the Schedule of Rates to reflect above changes.

RHD Schedule of Rates 2015 has been prepared primarily based on market prices of different materials, labors and equipment collected from relevant sources. Extensive consultations with field officials have also been made to elicit realistic field data and information.

I would also take this opportunity to recognize the valuable contribution made by Mr. Md. Mahboob Ul Alam, Project Director (ACE), RHD, Detailed Study and Design of Dhaka-Chittagong Expressway on PPP Basis Project, Dhaka and all other members of the committee in updating the schedule of rates.

I wish that the RHD Schedule of Rates 2015 will be useful for the works of Roads and Bridges in Roads and Highways Department. The "RHD Schedule of Rates 2015 (For Road and Bridge Works)" shall be effective from 1 July 2015.

Md. Feroz Iqbal

Chief Engineer

Roads and Highways Department

Sarak Bhaban, Tejgaon, Dhaka.



Roads and Highways Department

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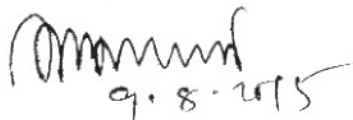
Preface

The Schedule of Rates 2015 (For Road and Bridge Works) is the revised edition of the Schedule of Rates 2011. Since the market prices of some materials including labor and equipment have changed to a varying degree over this period, it was necessary to update the schedule of rates in the light of current market prices. Consequently, efforts have been made to incorporate current market prices into the analyses of the rates. The information of prices has been collected primarily from field zones of RHD and Bangladesh Bureau of Statistics (BBS).

One of the noteworthy features of this edition is the inclusion of the rates of rigid pavement items. The analyses of rigid pavement items have been done based on the detailed technical specifications for rigid pavement that have recently been included in the General Specification of RHD.

I convey my deep appreciation and heartfelt thanks to all the members of the committee on Schedule of Rates for their sincere efforts in finalizing it. I would also like to thank RHD officials who have provided their valuable comments and suggestions to improve it.

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



9.8.2015

(Md. Mahboob Ul Alam)
Project Director (ACE), RHD
Dhaka-Chittagong Expressway
on PPP Basis Project
and
Chainman, Committee for
RHD Schedule of Rates 2015



Roads and Highways Department

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SCHEDULE OF RATES 2015

(For Road and Bridge Works)

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Roads and Highways Department

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Division 1 - General & Site Facilities

(All Prices in Taka)

Sl. No.	Item Code	Item Description	Unit of Measurement	Total Unit Price with TAX & VAT
1	2	3	4	5
01	01/01/01	Maintenance and Protection of Traffic	Lump Sum	80,257.00
02	01/01/02	Maintain Temp. Structures & Equipment for the Maintenance and Protection of Traffic	day	1,913.00
03	01/02/01	Supply, Erect and Remove Field Office for Engineer	Lump Sum	249,497.00
04	01/02/02	Maintenance, Staffing, Security and Cleaning of the Field Office for the Engineer	Month	11,000.00
05	01/02/03	Provision of Office Equipment and Consumables	Month	7,700.00
06	01/02/04	Provision, Maintenance and Removal of Sign Boards	Lump Sum	8,849.00
07	01/02/05	Provision and Maintenance of Survey Equipment	month	897.00
08	01/02/07	Progress Photographs	Month	1,000.00
09	01/03/01	Provide and Remove Site Laboratory & Equipment	Lump Sum	331,843.00
10	01/03/02	Maintain Site Laboratory	Month	7,699.00
11	*01/03/03	Special or Additional Tests	Pro. Sum	-
12	01/04/01	Saloon Car 1200cc Capacity	Month	55,000.00
13	01/04/02	Pick- up (Double Cab)	Month	66,000.00
14	01/04/03	Four Wheel Drive Vehicle Min. 6 seats	Month	77,799.00
15	01/04/04	Motor Cycle 125cc	Month	4,425.00
16	01/04/05	Motor Boat min 5m length	Month	16,500.00

* Rate this item shall be analysed as per actual requirement



Roads and Highways Department

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Division 2 – Earthwork

(All Prices in Taka)

Sl. No.	Item Code	Item Description	Unit of Measurement	Total Unit Price with TAX & VAT
1	2	3	4	5
01.	02/01/01	Clearing and Grubbing	sq. metre	45.00
02.	02/02/01	Roadway Excavation in Unsuitable Soil	cu. metre	171.00
03.	02/02/02	Roadway Excavation in Suitable Soil	cu. metre	171.00
04.	02/02/03	Roadway Excavation in Existing Pavement (not reinforced concrete)	cu. metre	265.00
05.	02/02/04	Roadway Excavation in Existing Reinforced Concrete Pavement	cu. metre	1,198.00
06.	02/02/05	Deduction of Value of Suitable Soil Recovered from Existing Road	cu. metre	92.00
07.	02/02/06	Deduction of Value of Materials Recovered from existing Road Pavement	cu. metre	2,212.00
08.	02/04/01	Channel Excavation in Unsuitable Materials	cu. metre	173.00
09.	02/04/02	Channel Excavation in Suitable Material	cu. metre	173.00
10.	02/05/01	Excavation and Backfill for Structures	cu. metre	360.00
11.	02/05/02	Concrete Backfill for Structures	cu. metre	10,197.00
12.	02/05/03	Sand Backfill for Structures	cu. metre	1,174.00
13.	02/06/1(a)	Embankment Fill from Excavation on site.	cu. metre	245.00
14.	02/06/1(b)	Embankment Fill from Excavation in Borrow pit within the Right -of-way	cu. metre	235.00
15.	02/06/02	Embankment fill from borrow pit in contractor's Arranged land	cu. metre	309.00
16.	02/06/03	Sand Backfill to Swamp	cu. metre	468.00
17.	02/07/01	Preparation of Subgrade 300 mm Depth	sq. metre	69.00
18.	02/07/02	Preparation of Subgrade 450 mm depth	sq. metre	103.00
19.	02/08/01	Improved Subgrade	cu. metre	916.00
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 (Except Reinforcing Steel) from Structures	cu. metre	-
23.	*02/09/3(b)	Deduction of the Value of Recovered Materials (Reinforcing Steel) from Structures	Tonnes	-
24.	02/10/01	Construction of Soil Earthen Shoulders	cu. metre	259.00
25.	02/11/01	Construction of Hard Shoulders	cu. metre	4,743.00
26.	02/12/01	Subgrade Drains	lin. metre	270.00

* Rate this item shall be analysed as per actual requirement

(Handwritten signatures and initials)



Roads and Highways Department

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Division 3 – Pavement works

(All Prices in Taka)

Sl. No.	Item Code	Item Description	Unit of Measurement	Total Unit Price with TAX & VAT
1	2	3	4	5
01	03/01/01	Scarify, Mix and Recompact Existing Pavement and/or Shoulder	sq. metre	48.00
02	03/01/02	Repair of Potholes on the Existing Pavement	cu. metre	15,733.00
03	03/02/01	Sub-Base	cu. metre	4,361.00
04	03/03/01	Aggregate Base Type I	cu. metre	6,566.00
05	03/03/02	Aggregate Base Type II	cu. metre	4,732.00
06	03/06/1(a)	Bituminous Prime Coat (Plant placed)	sq. metre	123.00
07	03/06/1(b)	Bituminous Prime Coat (Hand placed)	sq. metre	121.00
08	03/07/1(a)	Bituminous Tack Coat (Plant Work)	sq. metre	46.00
09	03/07/1(b)	Bituminous Tack Coat (Labour intensive work)	sq. metre	44.00
10	03/08/01	Primer seal	sq. metre	111.00
11	03/09/01(a)	Single Bituminous Surface Treatment (Machine Method) (Bitumen Grade 80/100)	sq. metre	204.00
12	03/09/01(b)	Single Bituminous Surface Treatment (Machine Method) (Bitumen Grade 60/70)	sq. metre	211.00
13	03/09/02(a)	Double Bituminous Surface Treatment-20mm nominal size aggregate followed by 10mm (Machine Method) (Bitumen Grade 80/100)	sq. metre	395.00
14	03/09/02(b)	Double Bituminous Surface Treatment-20mm nominal size aggregate followed by 10mm (Machine Method) (Bitumen Grade 60/70)	sq. metre	407.00
15	03/09/02(c)	Double Bituminous Surface Treatment-14mm nominal size aggregate followed by 10mm (Machine Method) (Bitumen Grade 80/100)	sq. metre	329.00
16	03/09/02(d)	Double Bituminous Surface Treatment-14mm nominal size aggregate followed by 10mm (Machine Method) (Bitumen Grade 60/70)	sq. metre	339.00
17	03/10/01(a)	Dense Bituminous Surfacing-Base Course (Plant Method) (Bitumen Grade 80/100)	cu. metre	17,388.00
18	03/10/01(b)	Dense Bituminous Surfacing-Base Course (Plant Method) (Bitumen Grade 60/70)	cu. metre	19,906.00
19	03/10/02(a)	Dense Bituminous Surfacing - Wearing Course (Plant Method) (Bitumen Grade 80/100)	cu. metre	19,439.00
20	03/10/02(b)	Dense Bituminous Surfacing - Wearing Course (Plant Method) (Bitumen Grade 60/70)	cu. metre	20,118.00
21	03/11/01	Premix Bituminous Carpeting	cu. metre	16,224.00
22	03/12/02	12 mm Compacted Premix Bituminous Seal Coat	sq. metre	166.00

* Rate this item shall be analysed as per actual requirement

(Handwritten signatures and initials)



Roads and Highways Department

A Department of Ministry of Road Transport and Bridges



(All Prices in Taka)

Sl. No.	Item Code	Item Description	Unit of Measurement	Total Unit Price with TAX & VAT
1	2	3	4	5
23	03/12/03	15 mm Compacted Premix Bituminous Seal Coat	sq. metre	215.00
24	03/13/01	Brick on End Edging	lin. metre	103.00
25	03/13/02	Single Layer Brick Flat Soling including 75mm thick compacted sand cushion	sq. metre	478.00
26	03/13/03	Herring Bond Brick Pavement including 12mm sand cushion	sq. metre	633.00
27	03/14/01(a)	Dry Lean Concrete Class-10 (Concrete Mixture).	cu. metre	8,556.00
28	03/14/01(b)	Dry Lean Concrete Class-10 (Batching Plant without Concrete Paver).	cu. metre	11,127.00
29	03/14/01(c)	Dry Lean Concrete Class-10 (Batching Plant with Concrete Paver).	cu. metre	11,345.00
30	03/14/02(a)	Dry Lean Concrete Class-20 (Concrete Mixture).	cu. metre	11,929.00
31	03/14/02(b)	Dry Lean Concrete Class-20 (Batching Plant without Concrete Paver).	cu. metre	14,500.00
32	03/14/02(c)	Dry Lean Concrete Class-20 (Batching Plant with Concrete Paver).	cu. metre	14,714.00
33	03/15/01(a)	Cement Concrete Pavement (Concrete Class-25) (Concrete Mixture).	cu. metre	13,275.00
34	03/15/01(b)	Cement Concrete Pavement (Concrete Class-25) (Batching Plant without Concrete Paver).	cu. metre	17,142.00
35	03/15/01(c)	Cement Concrete Pavement (Concrete Class-25) (Batching Plant with Concrete Paver).	cu. metre	17,502.00
36	03/15/01(d)	Precast RCC Pavement slab (Concrete Class-25) (Batching Plant)	cu. metre	20,492.00
37	03/15/02(a)	Cement Concrete Pavement (Concrete Class-30) (Concrete Mixture).	cu. metre	14,107.00
38	03/15/02(b)	Cement Concrete Pavement (Concrete Class-30) (Batching Plant without Concrete Paver).	cu. metre	17,981.00
39	03/15/02(c)	Cement Concrete Pavement (Concrete Class-30) (Batching Plant with Concrete Paver).	cu. metre	18,343.00
40	03/15/02(d)	Precast RCC Pavement slab (Concrete Class-30) (Batching Plant)	cu. metre	21,381.00
41	03/15/03(a)	Cement Concrete Pavement (Concrete Class-35) (Concrete Mixture).	cu. metre	14,454.00
42	03/15/03(b)	Cement Concrete Pavement (Concrete Class-35) (Batching Plant without Concrete Paver).	cu. metre	18,329.00
43	03/15/03(c)	Cement Concrete Pavement (Concrete Class-35) (Batching Plant with Concrete Paver).	cu. metre	18,690.00
44	03/15/03(d)	Precast RCC Pavement slab (Concrete Class-35) (Batching Plant)	cu. metre	22,004.00

* Rate this item shall be analysed as per actual requirement

(Handwritten signatures and dates)



Roads and Highways Department

A Department of Ministry of Road Transport and Bridges



Division 4 – Foundation works

(All Prices in Taka)

Sl. No.	Item Code	Item Description	Unit of Measurement	Total Unit Price with TAX & VAT
1	2	3	4	5
01	04/01/01(a)	Bored Cast in Place Piles (dia. 400mm)	lin. metre	2,022.00
02	04/01/01(b)	Bored Cast in Place Piles [dia 600mm]	lin. metre	4,595.00
03	04/01/01(c)	Bored pile cast in place piles (dia 750 mm)	lin. metre	7,214.00
04	04/01/01(d)	Bored cast in place Piles (dia 900mm)	lin. metre	10,651.00
05	04/01/01(e)	Bored cast in Place Piles (dia 1000mm)	lin. metre	12,551.00
06	04/01/01(f)	Bored cast in Place Piles (dia 1200mm)	lin. metre	18,585.00
07	04/01/01(g)	Bored cast in Place Piles (dia 1500mm)	lin. metre	33,131.00
08	04/01/04	High Yield Deformed Steel Reinforcing Bars	Tonne	95,236.00
09	04/01/05(a)	Permanent steel Casing (6mm thick ,dia 400mm)	lin. metre	7,104.00
10	04/01/05(b)	Permanent steel casing (6mm thick,dia 600mm)	lin. metre	10,287.00
11	04/01/05(c)	Permanent steel casing (6mm thick, dia750mm)	lin. metre	12,801.00
12	04/01/05(d)	Permanent steel casing (10mm thick, 600mm dia)	lin. metre	16,467.00
13	04/01/05(e)	Permanent steel casing (10mm thick, 750mm dia)	lin. metre	20,546.00
14	04/01/05(f)	Permanent steel casing (10mm thick, 900mm dia)	lin. metre	24,578.00
15	04/01/05(g)	Permanent steel casing (10 mm thick, 1000mm dia)	lin. metre	27,199.00
16	04/01/05(h)	Permanent steel casing (10 mm thick, 1200mm dia)	lin. metre	32,586.00
17	04/01/05(i)	Permanent steel casing (10 mm thick, 1500mm dia)	lin. metre	40,495.00
18	04/02/01(a)	Driven Pre-cast Piles (a) 300x300mm	lin. metre	1,892.00
19	04/02/01(b)	Driven Precast Piles (b) 350x350mm	lin. metre	2,406.00
20	04/02/01(c)	Driven Pre-cast Pile (c) 400x400mm	lin. metre	2,932.00
21	04/02/02	Driven Precast Pilot Piles	lin. metre	651.00
22	04/02/04	High Yield Reinforcement Bars	Tonne	95,236.00
23	04/03/01	King Post	lin. metre	703.00
24	04/03/02	Raker Piles (including Tie Bars)	lin. metre	1,000.00
25	04/03/03	Precast Planks (including Reinforcement Steel)	sq. metre	3,047.00
26	04/03/05	High Yield Deformed Steel Reinforcing Bars to King Posts and Raker Piles	Tonne	95,236.00

* Rate this item shall be analysed as per actual requirement



Roads and Highways Department

A Department of Ministry of Road Transport and Bridges



(All Prices in Taka)

Sl. No.	Item Code	Item Description	Unit of Measurement	Total Unit Price with TAX & VAT
1	2	3	4	5
27	04/04/01(a)	Load Test on Cast In Place Working Pile (Proof Load to be specified in BoQ)50 Ton	Number	91,730.00
28	04/04/01(b)	Load test on cast in place piles (For 100 Ton)	Number	160,170.00
29	04/04/01(c)	Load Test on cast in place piles (For 200 Ton)	Number	274,951.00
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	254.00
33	04/06/01(a)	Driven Bullah Piles (Dimensions to be stated in BoQ)(125-150mm)	lin. metre	438.00
34	04/06/01(b)	Driven Bullah Pile (150-175mm dia)	lin. metre	517.00
35	04/06/01(c)	Driven Bullah Pile (175-200mm dia)	lin. metre	655.00
36	04/06/01(d)	Driven Bullah Pile (200-225mm dia)	lin. metre	817.00
37	04/07/01	Cutting Edge (Well Shoe)	Ton	106,348.00
38	04/07/02	Class-20 Concrete for RCC Well	cu. metre	13,551.00
39	04/07/03	Concrete in Top/Bottom Plugging	cu. metre	12,474.00
40	04/07/04(a)	Labor for Well Sinking (Size 5000mmX10000mm) Depth 0m-6m	Metre	17,775.00
41	04/07/04(b)	Labor for Well Sinking (Size 5000mmX10000mm) Depth 6m-12m	Metre	25,236.00
42	04/07/04(c)	Labor for Well Sinking (Size 5000mmX10000mm) Depth 12m-18m	Metre	28,514.00
43	04/07/04(d)	Labor for Well Sinking (Size 5000mmX10000mm) Depth 18m-24m	Metre	35,704.00
44	04/07/04(e)	Labor for Well Sinking (Size 5000mmX10000mm) Depth Above 24m	Metre	42,259.00
45	04/07/04(f)	Labor for Well Sinking (Size 4270mmX7940mm) Depth 0m-6m	Metre	12,031.00
46	04/07/04(g)	Labor for Well Sinking (Size 4270mm X 7940mm) Depth 6m-12m	Metre	17,254.00
47	04/07/04(h)	Labor for Well Sinking (Size 4270mmX7940mm) Depth 12m-18m	Metre	19,183.00
48	04/07/04(i)	Labor for Well Sinking (Size 4270mm X 7940mm) Depth 18m-24m	Metre	23,966.00
49	04/07/04(j)	Labor for Well Sinking (Size 4270mm X 7940mm) Depth Above 24m	Metre	28,586.00
50	04/07/05	Sand Filling	cu. metre	1,175.00
51	04/07/06	High Steel Reinforcement Bars	Ton	95,236.00

* Rate this item shall be analysed as per actual requirement

(Handwritten signatures and initials)



Roads and Highways Department

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Division 5 -Structures

(All Prices in Taka)

Sl. No.	Item Code	Item Description	Unit of Measurement	Total Unit Price with TAX & VAT
1	2	3	4	5
01	05/01/01	Single Layer Brick Flat Soling	sq. metre	468.00
02	05/01/02(a)	Concrete Class as Detailed on Drawings (Class10) (Concrete Mixer)	cu. metre	8,466.00
03	05/01/02(b)	Concrete class-20 (Foundation) (Concrete Mixer)	cu. metre	11,925.00
04	05/01/02(c)	Concrete class - 20 (Vertical member col. pier, abutment / wing wall,culvert etc.) (Concrete Mixer)	cu. metre	15,054.00
05	05/01/02(d)	Concrete class-20 (Girder, cross girder,diaphragm,beam etc) (Concrete Mixer)	cu. metre	15,989.00
06	05/01/02(e)	Concrete class-20 (Deck slab,side walk,wheel guard, curb etc (Concrete Mixer)	cu. metre	14,177.00
07	05/01/02(f)	Concrete class -20 (rail & post) (Concrete Mixer)	cu. metre	16,862.00
08	05/01/02(g)	Concrete Class - 25 (Foundation) (Concrete Mixer)	cu. metre	12,379.00
09	05/01/02(h)	Concrete class -25 (Vertical member col, pier,abutment/ wing wall,culvert etc) (Concrete Mixer)	cu. metre	14,224.00
10	05/01/02(i)	Concrete class - 25 (Girder, beam, cross girder,and diaphragm etc) (Concrete Mixer)	cu. metre	16,581.00
11	05/01/02(j)	Concrete class - 25 (RCC/CC Pavement work) (Concrete Mixer)	cu. metre	14,799.00
12	05/01/02(k)	Concrete class-30 (Deck slab, side walk, wheel guard, curb etc (Concrete Mixer)	cu. metre	15,526.00
13	05/01/02(l)	Concrete Class – 35 (Concrete Mixer)	cu. metre	24,067.00
14	05/01/02(m)	Concrete Class – 40 (Pre-stressed Girder) (Concrete Mixer)	cu. metre	24,558.00
15	05/01/03(a)	Concrete Class as Detailed on Drawings (Class10) (Batching Plant)	cu. metre	10,131.00
16	05/01/03(b)	Concrete class-20 (Foundation) (Batching Plant)	cu. metre	13,583.00
17	05/01/03(c)	Concrete class - 20 (Vertical member col. pier, abutment / wing wall,culvert etc.) (Batching Plant)	cu. metre	15,390.00
18	05/01/03(d)	Concrete class-20 (Girder, cross girder,diaphragm, beam etc) (Batching Plant)	cu. metre	17,598.00
19	05/01/03(e)	Concrete class-20 (Deck slab,side walk,wheel guard, curb etc) (Batching Plant)	cu. metre	15,790.00
20	05/01/03(f)	Concrete class -20 (rail & post) (Batching Plant)	cu. metre	18,460.00
21	05/01/03(g)	Concrete Class - 25 (Foundation) (Batching Plant)	cu. metre	14,028.00
22	05/01/03(h)	Concrete class -25 (Vertical member col, pier,abutment/ wing wall,culvert etc) (Batching Plant)	cu. metre	15,844.00
23	05/01/03(i)	Concrete class - 25 (Girder, beam, cross girder,and diaphragm etc) (Batching Plant)	cu. metre	18,199.00
24	05/01/03(j)	Concrete class - 25 (RCC/CC Pavement work) (Batching Plant)	cu. metre	16,418.00
25	05/01/03(k)	Concrete class-30 (Deck slab, side walk, wheel guard,curb etc) (Batching Plant)	cu. metre	17,151.00
26	05/01/03(l)	Concrete Class – 35 (Batching Plant)	cu. metre	24,795.00
27	05/01/03(m)	Concrete Class – 40 (Pre-stressed Girder) (Batching Plant)	cu. metre	25,285.00
28	05/02/02	High Yield Reinforcement Bars	Tonne	95,236.00

* Rate this item shall be analysed as per actual requirement

(Handwritten signatures and initials)



Roads and Highways Department

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(All Prices in Taka)

Sl. No.	Item Code	Item Description	Unit of Measurement	Total Unit Price with TAX & VAT
1	2	3	4	5
29	05/02/03	Wire Mesh Reinforcement	Tonne	85,456.00
30	05/03/01	Prestressing Wire or Strand	Tonne	273,590.00
31	05/04/01	Modification to Existing Concrete	cu. metre	9,894.00
32	05/04/02	Concrete Surface Repair Works (Superstructures)	sq. metre	213.00
33	05/04/03	Concrete Surface Repair Works (Substructures)	sq. metre	283.00
34	*05/04/04	Resin Repair Mortars	Kg	-
35	05/04/05	Cement Mortar in Cracks	lin. metre	58.00
36	05/04/06	Anchor and Tie Bars	Tonne	1,966.00
37	05/05/01	New and Extended Brickwork	cu. metre	7,408.00
38	05/05/02	Brick Drainage Layer	cu. metre	4,444.00
39	05/05/03	Replacement of Defective Existing brick	cu. metre	11,783.00
40	05/05/04	Repointing of Existing Brickwork Joints	sq. metre	533.00
41	*05/05/05	Steel Tie Bars and Pattress Plates	Tonne	-
42	05/06/01	Preparation and Painting of Existing Structures	sq. metre	527.00
43	*05/07/01	Carriage of Bridge Steelwork from Port to Site	Tonne	-
44	*05/07/02	Fixing of bearings for Unit Bridging	Number	-
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	10,500.00
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	*05/12/1(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	*05/12/1(c)	Supply and Installation of Pot bearings (Size-400X300X72)	Number	-
56	*05/12/02	Supply and Installation of Shock Transmission units	Number	-
57	05/13/1(a)	Neoprene rubber bearing or Elastomeric bearing supplying & fitting fixing, etc.	Number	16,631.00
58	05/13/1(b)	Neoprene rubber bearing or Elastomeric bearing supplying & fitting fixing, etc.	Number	19,334.00
59	05/14/1(b)	Double Single Bailey Bridge or Acrow panel (Erecting and Assembling).	lin. metre	3,065.00
60	05/14/1(c)	Calender Hamilton Truss Bridge (Erecting and Assembling)	lin. metre	11,197.00
61	05/14/2(b)	Double Single Bailey Bridge or Acrow panel (Delaunching).	lin. metre	1,955.00
62	05/14/2(c)	Calender Hamilton Truss Bridge (Delaunching).	lin. metre	7,301.00
63	05/15/01	Mobilization for railing type work, etc.	lin. metre	1,868.00
64	05/16/01	Dismantling of deck slab, thickness 175mm.	sq. metre	5,998.00
65	05/16/02	Steel Beam (W 530 x 167)	lin. metre	11,037.00

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

* Rate this item shall be analysed as per actual requirement

(Handwritten signatures and initials)



Roads and Highways Department

A Department of Ministry of Road Transport and Bridges



Division 6 - Incidental

(All Prices in Taka)

Sl. No.	Item Code	Item Description	Unit of Measurement	Total Unit Price with TAX & VAT
1	2	3	4	5
01	06/01/01	Grouted Riprap Pavement	sq. metre	2,178.00
02	06/01/02	Concrete Slope Protection	sq. metre	1,499.00
03	06/01/03	Loose stone Riprap Protection	cu. metre	5,309.00
04	06/01/04	Concrete Cut-Off	cu. metre	15,990.00
05	06/02/01	Reinforced Concrete Culvert Pipe - Class A bedding	lin. metre	4,983.00
06	06/02/02	Reinforced Concrete Culvert Pipe - Class B bedding	lin. metre	2,360.00
07	*06/03/01	Manhole (Diameter to be stated in the BoQ)	Number	-
08	* 06/03/02	Catch Basin (Diameter to be stated in the BoQ)	Number	-
09	*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	1,069.00
14	06/05/02	Road Marking - Road marking Paint	sq. metre	412.00
15	06/05/03	Reflecting Road Studs	Number	897.00
16	06/05/04	Application of Ballotini	sq. metre	349.00
17	06/06/01	Topsoil	cu. metre	332.00
18	06/07/01	Grass Sodding	sq. metre	37.00
19	06/07/02	Grass Turfing	sq. metre	37.00
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	6,901.00
24	06/10/02	Sign Post	Number	3,073.00
25	06/11/01	Rumble strips (Bituminous Concrete Volume)	cu. metre	14,717.00
26	06/11/02	Road Marking Thermoplastic Material (by spray)	sq. metre	1,055.00
27	06/12/01	Geotextile Filter Fabric (as detailed on the Drawings)	sq. metre	179.00
28	06/12/02	Furnishing and installing Matress (as detailed on the drawings)	sq. metre	1,540.00
29	06/13/1(a)	Bullah Palisiding (150mm – 175mm)	lin. metre	9,410.00
30	06/13/1(b)	Bullah Palisiding (Local Bullah : 150mm – 200mm)	lin. metre	7,034.00
31	06/14/01	Mobilization for deck slab repairing work, etc.	sq. metre	799.00
32	06/15/01	Concrete Guide Post (1.6 m long, 200mm dia)	No.	2,068.00
33	06/16/01	Concrete Kilometer Post (As per drawing)	No.	8,656.00
34	06/17/1(a)	RCC Palisiding (4m post, 200mm X 200mm)	lin. metre	10,037.00
35	06/17/1(b)	RCC Palisiding (3m post, 150mm X 150mm)	lin. metre	6,602.00

* Rate this item shall be analysed as per actual requirement

(Handwritten signatures and stamps)



Roads and Highways Department

A Department of Ministry of Road Transport and Bridges



Signature
০৬/০৮/২০১৫

(মোহাম্মদ মনিরুজ্জামান)
নির্বাহী প্রকৌশলী, সওজ
রোড ডিজাইন এন্ড স্ট্যান্ডার্ড বিভাগ,
এলেনবাড়ী, ঢাকা।
ও
সদস্য,
Schedule of Rates সংশোধন/সংস্কার কমিটি।

Signature
০৬/০৮/২০১৫

(মোহাম্মদ শাহীন সরকার)
নির্বাহী প্রকৌশলী, সওজ
সড়ক বিভাগ
ভোলা
ও
সদস্য,
Schedule of Rates সংশোধন/সংস্কার কমিটি।

Signature
০৬/০৮/২০১৫

(আবু হেনা মোঃ তারকে ইকবাল)
নির্বাহী প্রকৌশলী, সওজ
সড়ক বিভাগ
মুলীগঞ্জ
ও
সদস্য,
Schedule of Rates সংশোধন/সংস্কার কমিটি।

Signature
০৬/০৮/২০১৫

(শিশির কান্তি রাউফ)
প্রকল্প ব্যবস্থাপক (নিঃশ্রেণী), সওজ
ঢাকা-চট্টগ্রাম এক্সপ্রেসওয়ে,
অন পিপিপি বেসিস প্রকল্প,
১৩২/৪ নিউ বেইলী রোড, ঢাকা
ও
সদস্য,
Schedule of Rates সংশোধন/সংস্কার কমিটি।

Signature
০৬/০৮/২০১৫

(এ কে মোহাম্মদ ফজলুল করিম)
প্রকল্প ব্যবস্থাপক (নিঃশ্রেণী), সওজ
সাসেক সড়ক সংযোগ প্রকল্প,
নিকেতন, গুলশান, ঢাকা
ও
সদস্য,
Schedule of Rates সংশোধন/সংস্কার কমিটি।

Signature
০৬/০৮/২০১৫

(মোহাম্মদ সাকীর হাসান খান)
নির্বাহী প্রকৌশলী, সওজ
ডকুমেন্টেশন এন্ড প্রকিউরমেন্ট বিভাগ,
সড়ক ভবন, তেজগাঁও, ঢাকা।
ও
সদস্য,
Schedule of Rates সংশোধন/সংস্কার কমিটি।

Signature
০৬/০৮/২০১৫

(সন্তোষ কুমার রায়)
প্রকল্প ব্যবস্থাপক-৩, (নিঃশ্রেণী), সওজ
ঢাকা-চট্টগ্রাম মহাসড়ক ৪ লেনে উন্নীতকরণ প্রকল্প,
ফেনী
ও
সদস্য,
Schedule of Rates সংশোধন/সংস্কার কমিটি।

Signature
০৬/০৮/২০১৫

(মোঃ রেজাউল করিম)
তত্ত্বাবধায়ক প্রকৌশলী, সওজ
সড়ক সার্কেল
বরিশাল
ও
সদস্য,
Schedule of Rates সংশোধন/সংস্কার কমিটি।

Signature
০৬/০৮/২০১৫

(মোঃ মনিরুজ্জামান)
তত্ত্বাবধায়ক প্রকৌশলী, সওজ
সড়ক সার্কেল
রাজশাহী
ও
সদস্য,
Schedule of Rates সংশোধন/সংস্কার কমিটি।

Signature
০৬/০৮/২০১৫

(মোঃ কামরুল হক)
তত্ত্বাবধায়ক প্রকৌশলী (৩য় শ্রেণী), সওজ
রোড ডিজাইন এন্ড সফটি সার্কেল,
এলেনবাড়ী, তেজগাঁও, ঢাকা।
ও
সদস্য সচিব,
Schedule of Rates সংশোধন/সংস্কার কমিটি।

Signature
০৬/০৮/২০১৫

(মোঃ মাহবুব উল আলম)
প্রকল্প পরিচালক (অঃশ্রেণী), সওজ
ঢাকা-চট্টগ্রাম এক্সপ্রেসওয়ে
অন পিপিপি বেসিস প্রকল্প
১৩২/৪ নিউ বেইলী রোড, ঢাকা
ও
চেয়ারম্যান,
Schedule of Rates সংশোধন/সংস্কার কমিটি।

ব্যাংক নং: ৩৬৫-৯৯৯
তারিখ: ০৬/০৮/২০১৫

Signature
০৬/০৮/২০১৫

প্রধান প্রকৌশলী
সড়ক ও জনপথ অধিদপ্তর
সড়ক ভবন, তেজগাঁও, ঢাকা।



Roads and Highways Department

A Department of 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 feet	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 ²	6.452 cm ²	1 cm ²	0.155 in ²
1 ft ²	0.093 m ²	1 m ²	10.764 ft ²

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

Nominal Size (dia in mm)	Bar No.	Cross-sectional area in mm ²	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



Annexure-I

Table-3 : CBR & Compaction of Pavement Works (as per General Specifications, July 2011)

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, July 2011)

	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 ³	1/2000 m ³	1/1000 m ²	
Improved Sub-Grade	1/1000 m ³	1/1000 m ³	1/1000 m ³	3/1000 m ²	
Sub-Base	1/750 m ³	1/750 m ³	1/750 m ³	3/1000 m ²	1/2000 m ³
Base	1/500 m ³	1/500 m ³	1/500 m ³	3/1000 m ²	1/1000 m ³

Table-5 : Grading Requirements for Sub-base Materials (General Specifications Section 3.2, July 2011)

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

A Department of Ministry of Road Transport and Bridges



Annexure-I

Table-6 : Grading Requirements for Dense Bituminous Surfacing (Plant Method)
(General Specifications Section 3.10, July 2011)

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, July 2011)

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

A Department of Ministry of Road Transport and Bridges



Annexure-II

Unit Rate of Materials (Rates Excluding TAX & VAT)

Sl. No.	Basic Item	Category	Unit	Recommended Rate 2015 (Taka)
1	Sand	FM = 0.5	cu. metre	450.00
		FM = 0.8	cu. metre	500.00
		FM = 1.0	cu. metre	600.00
		FM = 1.8	cu. metre	1200.00
		FM = 2.5	cu. metre	1700.00
2	Cement	OPC	Tonne	10764.00
3	Reinforcement	60 grade	Tonne	65640.00
4	Bitumen	80/100 Penetration grade	Tonne	68500.00
		60/70 Penetration grade	Tonne	73000.00
5	Brick	1st Class	Per 1000	7477.00
7	Brick Chips	40mm	cu. metre	3000.00
	Brick Chips	<25mm	cu. metre	3000.00
	Brick P.J.		Nos	8.00
8	Stone Chips/ Gravel	25mm	cu. metre	4800.00
		14mm	cu. metre	4600.00
		12mm	cu. metre	4400.00
		9mm	cu. metre	3500.00
9	Stone Chippings (Chattak/Pakur)	20mm	cu. metre	5970.00
		14mm	cu. metre	4800.00
		10mm	cu. metre	4600.00
	Crusher (stone) dust		cu. metre	650.00
	Sylhet boulders 100-200mm		cu. metre	4000.00
10	Pea Gravels		cu. metre	2500.00
	Gravels (as dug)		cu. metre	1700.00
11	Fire Wood		Tonne	5000.00
	Wooden runner (using 6 times)		cu. metre	6000.00
	Wooden Sleper		Lump Sum	350.00
12	Bullah Pile	6m long (Dia 150 – 175mm)	lin. metre	500.00
		6m long (Dia 150 – 200mm)	lin. metre	550.00
13	Petrol		litre	96.00
	Diesel		litre	68.00
	Kerosene		litre	68.00
14	Soil		cu. metre	75.00
15	Imported suitable bulk fill		cu. metre	75.00
16	Plastic Tape	Pks	Pks	240.00
17	Steel Box for Traffic Management	Nos	Nos	60.00
18	Water		cu. metre	10.00
19	Geotextile		sq. metre	100.00
20	G.I wire, nails etc		kg	100.00



Roads and Highways Department

A Department of Ministry of Road Transport and Bridges



Annexure-II

Unit Rate of Materials (Rates Excluding TAX & VAT)

Sl. No.	Basic Item	Category	Unit	Recommended Rate 2015 (Taka)
21	Polythene sheet		sq. metre	15.00
22	Wooden form work using 4 times		cu. metre	6250.00
23	Nuts, bolts, washers etc		nos	65.00
24	Paint (Road Marking Berger brand)		litre	610.00
25	Thiner (Jensolin T-4) Berger brand		litre	165.00
26	Roadway Excavation in unsuitable Material		cu. metre	150.00
27	Sand Backfill for Structures		cu. metre	800.00
28	Single Layer Brick Flat Soling		sq. metre	478.00
29	Bentonite (50kg)		bag	850.00
30	6mm thick steel plate		kg	75.00
31	Paint		litre	250.00
32	Angle Iron (b) 38x38x5mm for pre cast pile shutter using 16 times		tonne	48000.00
33	Cost of platform (pre-cast pile) using 5 times		sq. metre	48.00
34	F I bar (b) 38x5mm for pre cast pile shutter using 16 times		tonne	45000.00
35	Nut bolt for pre cast pile shutter using 16 times		kg	80.00
36	Pre-cast pile shoe (0.3x0.3m pile)		No	285.00
37	Steel Plate 2mm for pre cast pile shutter using 16 time		tonne	80000.00
38	Nut Bolts (12 mm Dia 125 mm L)		tonne	90000.00
39	Angle Iron (62.5x62.5x6mm) using 20 times		lin. metre	335.00
40	Cost of wooden shutter for concrete using 6 times		sq. metre	120.00
41	Nail		kg	100.00
42	Admixture		litre	160.00
43	Cost of prefabricated steel shutter (using 50 times)		sq. metre	827.00
44	Lifting anchorage		No.	500.00
45	Sica		Lump Sum	300.00
46	Hire cost of shuttering material		sq. metre	121.00



Roads and Highways Department

A Department of Ministry of Road Transport and Bridges



Annexure-II

Unit Rate of Labour (Rates Excluding TAX & VAT)

Sl. No.	Category	Unit	(Taka) Recommended Rate 2015
1	Ganger	Per day/person	800
2	Fore man	Per day/person	800
3	Carpenter	Per day/person	600
4	Asphalt Mistry	Per day/person	600
5	Mason	Per day/person	600
6	Steel fixers	Per day/person	600
7	Welder	Per day/person	600
8	Painter	Per day/person	600
9	Painter Helper	Per day/person	500
10	Skilled	Per day/person	550
11	Semi-skilled	Per day/person	450
12	Un-skilled	Per day/person	400
13	Flag Man	Per day/person	400
14	Labour cost for fixing and Removing shutter for foundation	sq. metre	100