ISSUE RATES OF MATERIALS

Sl. No.	Description of Items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
1.	1st Class or picked jhama bricks.	per %o Nos.	1200·00	1200·00	1200·00
2.	1st Class or picked jhama bats.	per % cft.	1020·00	1020·00	1020·00
3.	Machine made bricks 10 holes.	per %o Nos.	1825·00	1825·00	1825·00
4.	Machine made bricks 17 holes.	per %o Nos.	1625·00	1625·00	1625·00
5.	Ceramic facing bricks—8″ × 4″ × 2″	per %o Nos.	2075·00	2075·00	2075·00
6.	Cement.	per bag.	115·00	115·00	115·00
7.	M. S. Rod and Structural steel (Angle Iron/F. I. bar) (B. S—15 or B. S. S. 4360 of 1972).	per ton.	13000·00	13000·00	13000·00
8.	M. S. Window section (T/Z section) (B. S. S. 4360 of 1972).	per ton.	17000·00	17000·00	17000·00
9.	C. I. Sheet. (24 B. W. G.)	per ton.	25000·00	25000·00	25000·00
10.	Asbasto sheet.	per sft.	28·50	28·50	28·50
11.	Lime (slaked).	per maund.	85·00	85·00	85·00
12.	Stone lime.	per maund.	140·00	140·00	140·00
	SAND.				
1.	Best local sand (F. M.—1·5)	per % cft.	400·00	700·00	730·00
2.	Best local sand (F. M.—2·00)	per % cft.	500·00	800·00	830·00
3.	Sunamganj sand (Sylhet) (F. M.—2·5)	per % cft.	900·00	1000·00	1050·00
4.	Very fine local sand (F.M.—0·50) (not for casting brick work & plastering works)	per % cft.	90·00	90·00	90·00
	TIMBER.				
1.	Jam. (Ctg.)	per cft.	170·00	170·00	170·00
2.	Sundari.	per cft.	170·00	170·00	170·00
3.	Garjan. (Ctg.)	per cft.	170·00	170·00	170·00
4.	Kathal.	per cft.	200·00	200·00	200·00
5.	Silkarai. (Ctg.)	per cft.	230·00	230·00	230·00
6.	Jarul.	per cft.	250·00	250·00	250·00

Sl. No.	Description of Items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
	TIMBER				
7.	Local Sal wood (Modhupur)	per cft.	250·00	250·00	250·00
8.	Chapalish. (Ctg.)	per cft.	240·00	240·00	240·00
9.	Gammar (Ctg.)	do	230·00	230·00	230·00
10.	Teak Chambal. (Ctg.)	do	280·00	280·00	280·00
11.	Telsu.	do	300·00	300·00	300·00
12.	C. T. wood. (Ctg. Teak Wood)	do	500·00	500·00	500·00
13.	B. T. wood. (Burmah Teak Wood)	do	1000·00	1000·00	1000·00
	PAINT & COLOURING MATERIALS.				
1.	Synthetic enamel paint.	per gallon	400·00	400·00	400·00
2.	Oil bound distemper.	do	230·00	230·00	230·00
3.	Plastic emulsion paint.	do	370·00	370·00	370·00
	MISCELLANEOUS ITEMS.				
1.	Marble chips. (Indian Deradun)	per cwt.	240·00	240·00	240·00
2.	Marble dust.	per cwt.	160·00	160·00	160·00
3.	White cement. (Foreign)	per bag of 40 kg.	460·00	460·00	460·00
4.	Snow ceam. (Foreign)	per drum of 40 kg.	2500·00	2500·00	2500·00
5.	Snow ceam. (Bangladesh made)	per drum of 40 kg.	1400·00	1400·00	1400·00
6.	Distemper.	per gallon	230·00	230·00	230·00
7.	Stone Shingles. (Jaflong/Bholaganj)	per % cft.	1400·00	1400·00	1400·00
8.	Stone Boulders.	per % cft.	1800·00	1800·00	1800·00
9.	Pea gravels.	per % cft.	1000·00	1000·00	1000·00
10.	Bitumen 80/100	per ton.	9000·00	9000·00	9000·00
11.	Coal.	per ton.	1800·00	1800·00	1800·00
12.	Bitumen Emulsion.	per ton.	8400·00	8400·00	8400·00

Analysis for item No. 1 (a)

Earth work in foundation trenches. For 1000 cft. of earth work :

(a)	Ordinary Labour 12½ Nos. @ Tk. 25·00 each.	Tk.	312·50
(b)	Laying center line pillars etc. Mason ½ No. @ Tk. 50·00 each.	Tk.	25·00
		Tk.	337·50
	Contractor's Profit 10 %	Tk.	33·75
		Tk.	371·25

Say, rate per thousand cubic feet Tk. 371·00

Analysis for item No. 1 (b)

Extra for each additional foot of depth beyond 5'—0" feet per %o cft.		Tk.	25·00

Analysis for item No. 1 (c)

Extra for each 100'—0" additional lead beyond 200'—0" %o cft.		Tk.	27·00

Analysis for item No. 2 (a)

One layer of brick flat soling. For 100 sft.

(a)	Bricks 300 Nos. @ Tk. 1200·00 per %o Nos.	Tk.	360·00
(b)	Fine sand 5 cft. @ Tk. 90·00 pet % cft.	Tk.	4·50
(c)	Manson ¼ No. @ Tk. 50·00 each.	Tk.	12·50
(d)	Skilled labour 1 No. @ Tk. 30·00 each	Tk.	30·00
(e)	Local carriage of bricks, sundries.	Tk.	8·60
		Tk.	415·60
	Contractor's Profit 10%	Tk.	41·56
		Tk.	457·16

Say, rate per hundred square feet Tk. 457·00

Analysis for item No, 2 (b)

Herring bone bond soling. For 100 sft.

(a)	Bricks 500 Nos. @ Tk. 1200·00 per %o Nos.	Tk.	600·00
(b)	Fine sand 7 cft. @ Tk. 90·00 per % cft.	Tk.	6·30
(c)	Mason ½ No. @ Tk. 50·00 each	Tk.	25·00
(d)	Skilled labour 1 No. Tk. 30·00 each	Tk.	30·00
(e)	Local carriage, storage & sundries	Tk.	10·00
		Tk.	671·30
	Contractor's Profit 10%	Tk.	67·13
		Tk.	738·43

Say, rate per hundred square feet Tk. 738·00 only.

Analysis for item No. 2 (c)

Brick on end edging. For 100 rft.

(a)	Bricks 250 Nos. @ Tk. 1200·00 per % Nos.	Tk.	300·00
(b)	Fine sand 2 cft. @ Tk. 90·00 per % cft.	Tk.	1·80
(c)	Manson ¼ No. @ Tk. 50·00 each	Tk.	12·50
(d)	Skilled Labour ⅖ @ Tk. 30·00 each	Tk.	22·50
(e)	Local carriage, storage & sundries	Tk.	9·60
		Tk.	346·40
	Contractor's Profit 10%	Tk.	34·64
		Tk.	381·04

Say, rate per hundred running feet Tk. 381·00

Analysis for item No. 3 (a)

Mass concrete (6 : 3 : 1) in foundation. For 100 cft. of work.

(a)	Bats 100 cft. (850 Nos. of Bricks) @ Tk. 1020·00 per % cft.	Tk.	1020·00
(b)	Breaking cost of chips.	Tk.	127·50
(c)	Sand 50 cft. @ Tk. 400·00 per % cft.	Tk.	200·00
(d)	Cement 13 bags @ Tk. 115·00 per bag	Tk.	1495·00
(e)	Local carriage, storage & sundries	Tk.	15·00
(f)	Labour for casting in/c screening chips etc.	Tk.	190·00
(g)	Curing (7 days) ¼ labour × 7 = 1¾ Nos. @ Tk. 25·00 each	Tk.	43·75
		Tk.	3091·25
	Contractor's Profit 10%	Tk.	309·12
		Tk.	3400·37

Say, rate per hundred cubic feet. Tk. 3400·00

Analysis for item No. 3 (b)

Lime concrete (5 : 2 : 1) in foundation. For 100 cft. of work.

(a)	Bats 100 cft. (850 Nos. of bricks) @ Tk. 1020 per % cft.	Tk.	1020·00
(b)	Breaking cost of chips	Tk.	127·50
(c)	Surki 38 cft. @ Tk. 11·32 per cft.	Tk.	430·16
(d)	Lime 19 cft. (8½ mds) @ Tk. 85·00 per maund	Tk.	722·50
(e)	Local carriage, storage and sundries.	Tk.	16·00
(f)	Labour of casting and compacting in/c screening chips etc.	Tk.	180·00
(g)	Curing same as item No. 3 (a)	Tk.	43·75
		Tk.	2539·91
	Contractor's Profit 10%	Tk.	253·99
		Tk.	2793·90

Say, rate per hundred cubic feet. Tk. 2794·00

Analysis for item No. 4

$1\frac{1}{2}$" Damp proof course (4 : 2 : 1) For 100 cft. works :—

(a)	Chips 100 cft. (900 Nos. of bricks) @ Tk. 1200·00 per % Nos.	Tk.	1080·00
(b)	Breaking cost of chips (Extra small sizes)	Tk.	162·00
(c)	Sand (Sylhet) 15 cft. @ Tk. 900·00 per % cft.	Tk.	135·00
(d)	Sand (Local) 30 cft. @ Tk. 400·00 per % cft.	Tk.	120·00
(e)	Cement 18 bags @ Tk. 115·00 per bag	Tk.	2070·00
(f)	Local carriage, storage & sundries.	Tk.	15·00
(g)	Curing same as item No. 3 (a)	Tk.	43·75
		Tk.	3625·75
	Contractor's Profit 10%	Tk.	362·57
		Tk.	3988·32
	So, rate for 100 sft. Tk. $\frac{3988·32}{8}$ =	Tk.	498·54

(b) Labour for casting in/c screening chips etc.

(i)	Manson 1 No. @ Tk. 50·00 each.	Tk.	50·00
(ii)	Labour 2 Nos. @ Tk. 25·00 each.	Tk.	50·00
(iii)	Cost of bitumen L. S.	Tk.	46·00
(iv)	Labour for applying bitumen L. S.	Tk.	10·00
		Tk.	654·54
	Contractor's Profit 10% on (b)	Tk.	15·60
	Say, rate per hundred square feet Tk. 670·00	Tk.	670·14

Analysis for item No. 5

Sand filling in foundation and plinth. For 100 cft. of work.

(a)	Supply of sand 100 cft. @ Tk. 90·00 per % cft.	Tk.	90·00
(b)	Labour for local carriage, consolidating to levels and watering.	Tk.	90·00
(c)	Sundries, T & P etc.	Tk.	2·00
		Tk.	182·00
	Contractor's Profit 10%	Tk.	18·20
	Say, rate per hundred cubic feet Tk. 200·00	Tk.	200·20

Analysis for item No. 6

Earth filling in foundation trenches and plinth :
For 1000 cft. of work.

(a)	For 1000 cft. of earth work (Earth available at site) Labour 10 Nos. @ Tk. 25·00 each.	Tk.	250·00
(b)	Dressing and consolidation.	Tk.	50·00
(c)	Sundries, T & P etc.	Tk.	20·00
		Tk.	320·00
	Contractor's Profit 10%	Tk.	32·00
	Say, rate per thousand cubic feet Tk. 352·00	Tk.	352·00

Analysis for item No. 7 (a)

Earth filling in foundation and plinth with carted earth.
For 1000 cft. (For Dhaka city and Ctg. city).

(a) Royalty for 1000 cft. of earth.	Tk.	80·00
(b) Labour for cutting earth in/c. loading and un-loading with hire charge of Truck.	Tk.	1375·00
	Tk.	1455·00
Contractor's Profit 10%	Tk.	145·50
	Tk.	1600·50

Say, rate Tk. 1600·00 per %o cft.

Earth filling in foundation and plinth with carted earth.
For 1000 cft. (For Jessore, Mym. Kushtia)

(a) Royalty for 1000 cft. of earth.	Tk.	40·00
(b) Labour for cutting earth in/c. loading and un-loading with hire charge of Truck.	Tk.	870·00
	Tk.	910·00
Contractor's Profit 10%	Tk.	91·00
	Tk.	1001·00

Say, rate Tk. 1000·00 per %o cft.

Analysis for item No. 7 (b)

Site improvement work, carted earth carried by Truck or any means.
For 1000 cft. of work including consolidating, dressing and local carriage. (For Dhaka and Chittagong City.) Tk. 1650·00

Say, rate per thousand cubic feet Tk. 1650·00

Site improvement with carted earth carried by Truck or any other means. For 1000 cft. of work including consolidation, dressing and local carriage : (For Jessore, Mym. Kushtia) Tk. 1050·00

Say, rate per thousand cubic feet Tk. 1050·00

Analysis for item No. 8 (a)

Brick work in foundation (6 : 1) For 100 cft. of work.

(a) Bricks 1100 Nos. @ Tk. 1200·00 per %o Nos.	Tk.	1320·00
(b) Sand 36 cft. @ Tk. 400·00 per % cft.	Tk.	144·00
(c) Cement 4 bags @ Tk. 115·00 per bag	Tk.	460·00
(d) Labour cost for brick work, local carriage including curing T & P etc.	Tk.	194·00
	Tk.	2118·00
Contractor's Profit 10%	Tk.	211·80
	Tk.	2329·80

Say, rate per hundred cubic feet. Tk. 2330·00

Analysis for item No. 8 (b)

Brick works (3 : 1) in foundation with lime mortar for 100 cft. of work.

(a) Brick 1100 Nos. @ Tk. 1200·00 per %o Nos.	Tk.	1320·00
(b) Surki 27 cft. @ Tk. 11·32 per cft.	Tk.	305·64
(c) Lime 4 maunds @ Tk. 85·00 per maund.	Tk.	340·00
(d) Labour for brick work, local carriage, including curing.	Tk.	180·00
	Tk.	2145·64
Contractor's Profit 10%	Tk.	214·56
	Tk.	2360·20

Say, rate per hundred cubic feet. Tk. 2360·00

Analysis for item No. 9 (a)

First class brick work in superstucture wall (6 : 1)

(a) As per item No. 8 (a)	Tk.	2330·00
(b) Scaffolding	Tk.	30 00
(c) Extra Labours for carriage	Tk.	25·00
(d) Extra for curing	Tk.	15·00
	Tk.	2400·00
Contractor's Profit 10% except on (a)	Tk.	7·00
	Tk.	4207·00

Say, rate per hundred cubic feet Tk. 2407·00

Analysis for item No. 9 (b)

First floor for 100 cft. of work.

(a) As per item No. 9 (a)	Tk.	2407·00
(b) Add extra for upper floor	Tk.	25·00
	Tk.	2432·00

Say, rate per hundred cubic feet Tk. 2432·00

Analysis for item No. 9 (c)

Second floor for 100 cft. of work.

(a) As per item No. 9 (b)	Tk.	2432·00
(b) Add extra for upper floor	Tk.	25·00
	Tk.	2457·00

Say, rate per hundred cubic feet Tk. 2457·00

Analysis for item No. 9 (d)

Third floor for 100 cft. of work.

(a) As per item No. 9 (c)	Tk.	2457·00
(b) Add extra for upper floor.	Tk.	25·00
	Tk.	2482·00

Say, rate per hundred cubic feet Tk. 2482·00

Analysis for item No. 10 (a)

Brick work with machine made 10 hole bricks (4 : 1) for 100 cft. of work.

(a) Brick 1100 Nos. @ Tk. 1825·00 per %o Nos.	Tk.	2007·50
(b) Cement 6·5 bags. @ Tk. 115·00 per bag.	Tk.	747·50
(c) Sand 40 cft. @ Tk. 400·00 per % cft.	Tk.	160·00
(d) Local carriage of materials and sundries.	Tk.	55·50
(e) Labour charge.	Tk.	250·00
(f) Curing L. S.	Tk.	35·00
	Tk.	3255·50
Contractor's Profit 10%	Tk.	325·55
	Tk.	3581·05

Say, rate per hundred cubic feet. Tk. 3581·00

Analysis for item No. 10 (b)

Brick work with 17 hole machine made bricks in (4 : 1) for 100 cft. of work.

(a) Bricks 1100 Nos. @ Tk. 1625·00 per %o Nos.	Tk.	1787·50
(b) Cement 6·5 bags. @ Tk. 115·00 per bag.	Tk.	747·50
(c) Sand 36 cft. @ Tk. 400·00 per % cft.	Tk.	144·00
(d) Local carriage of materials and sundries.	Tk.	55·50
(e) Labour charge.	Tk.	250·00
(f) Curing L. S.	Tk.	35·00
	Tk.	3019·50
Contractor's Profit 10%	Tk.	301·95
	Tk.	3321·45

Say, rate per hundred cubic feet Tk. 3321·00

Analysis for item No. 11

Facing brick work (4 : 1) with machine made bricks for 100 sft. of work.

(a) Bricks 700 Nos. @ Tk. 2075·00 per %o Nos.	Tk.	1452·50
(b) Cement 2 bags. @ Tk. 115·00 per bag.	Tk.	230·00
(c) Sand 10 cft. @ Tk. 400·00 per % cft.	Tk.	40·00
(d) Labour with cost of painting.	Tk.	310·00
(e) Cost of scaffolding & curing.	Tk.	55·00
	Tk.	2087·50
Contractor's Profit 10%	Tk.	208·75
	Tk.	2296·25

Say, rate per hundred square feet Tk. 2296·00

Analysis for item No. 12 (a)

5" Brick work (6 : 1) for 100 sft. of work.

(a) Brick 480 Nos.	@ Tk. 1200·00 per %o Nos.	Tk.	576·00
(b) Cement 1·75 bags	@ Tk. 115·00 per bag.	Tk.	201·25
(c) Sand 18 cft.	@Tk. 400·00 per % cft.	Tk.	72·00
(d) Labour charge.		Tk.	110·00
(e) Local carriage, storage, scaffolding and curing.		Tk.	45·00
		Tk.	1004·25
	Contractor's Profit 10%	Tk.	100·42
		Tk.	1104·67

Say, rate per hundred square feet Tk. 1105·00

Analysis for item No. 12 (b)

5" Brick work (4 : 1) for 100 sft. of work.

(a) Brick 480 Nos.	@ Tk. 1200·00 per %o Nos.	Tk.	576·00
(b) Cement 2·60 bags	@ Tk. 115·00 per bag.	Tk.	299·00
(c) Sand 17 cft.	@ Tk. 400·00 per % cft.	Tk.	68·00
(d) Labour charge.		Tk.	110·00
(e) Local carriage, storage, scaffolding and curing.		Tk.	45·00
		Tk.	1098·00
	Contractor's Profit 10%	Tk.	109·80
		Tk.	1207·80

Say, rate per hundred square feet Tk. 1208·00

Analysis for item No. 13 (a)

3" Thick cement concrete in floor (6 : 3 : 1) for 100 sft. of work.

From item No. 3 (a) for 100 cft. Tk. 3400·00

(a) For 3" thick Tk. $\frac{3400·00}{4}$ =		Tk.	850·00
(b) Add extra for floor work for casting, labour 1 No. @ Tk. 25·00 each.		Tk.	25·00
		Tk.	875·00
	Contractor's Profit 10% on (b)	Tk.	2·50
		Tk.	877·50

Say, rate per hundred square feet Tk. 878·00

Analysis for item No. 13 (b)

3" Thick lime concrete in floor (5 : 2 : 1) 100 sft. of work.

From item No. 3 (b) Tk. 2794·00 for 100 cft.

(a) For 3" thick Tk. $\frac{2794·00}{4}$ =		Tk.	698·50
(b) Add labour for floor work, for casting labour $1\frac{1}{4}$ No. @ Tk. 25·00 each.		Tk.	31·25
		Tk.	729·75
	Contractor's Profit 10% on (b)	Tk.	3·12
		Tk.	732·87

Say, rate per hundred square feet Tk. 732.00

Analysis for Item No. 14 (a)

1" Thick artificial patent stone (4 : 2 : 1) flooring for 100 sft. of work. For 100 cft.

(a)	Chips 100 cft. 900 Nos. of bricks @ Tk. 1200·00 %o Nos.	Tk.	1080·00
(b)	Sand (Sylhet) 15 cft. @ Tk. 900·00 per % cft.	Tk.	135·00
(c)	Sand (Local) 30 cft. @ Tk. 400·00 per % cft.	Tk.	120·00
(d)	Breaking cost (extra small sizes)	Tk.	162·00
(e)	Cement 18 bags @ Tk. 115·00 per bag.	Tk.	2070·00
(f)	Local carriage, storage & sundries	Tk.	14·00
(g)	Curing (same as item No. 4)	Tk.	43·75
		Tk.	3624·75
	Contractor's Profit 10%	Tk.	362·47
		Tk.	3987·22
	Say, rate for 100 sft. Tk. $\frac{3987·22}{12}$ =	Tk.	332·25
(h)	Extra cement for finishing ½ bag @ Tk. 115·00 per bag.	Tk.	57·50
(i)	Mason 1 No. @ Tk. 50·00	Tk.	50·00
(j)	Skilled labour 1 No. @ Tk. 30·00	Tk.	30·00
(k)	Ordinary labour 1 No. @ Tk. 25·00	Tk.	25·00
		Tk.	494·75
	Contractor's Profit 10% on (h, i, j, k)	Tk.	16·25
	Say, rate per hundred square feet Tk. 511·00	Tk.	511·01

Analysis for item No. 14 (b)

1½" Thick artificial patent stone flooring (4:2:1) for 100 sft. of work.
From item No. 14 (a) for 100 cft. Tk. 3987·22

(a)	For 1½" thick Tk. $\frac{3987·22}{8}$ =	Tk.	498·40
(b)	Extra cement for finishing ½ bag @ Tk. 115·00 per bag.	Tk.	57·50
(c)	Mason 1 No. @ Tk. 50·00 each.	Tk.	50·00
(d)	Skilled labour 1 No. @ Tk. 30·00	Tk.	30·00
(e)	Ordinary labour 1 No. @ Tk. 25·00	Tk.	25·00
		Tk.	660·90
	Contactor's Profit 10% on (b, c, d, e)	Tk.	16·25
	Say, rate per hundred square feet Tk. 677·00	Tk.	677·15

Analysis for item No. 15

⅛" Thick red oxide or any colour flooring on 1" thick artificial patent stone flooring (4 : 2 : 1) for 100 sft. of work.

Volume $\frac{100 \times 1·5}{8 \times 12}$ = 1·56 cft.

Proportion (1 : 3) = $\frac{1·56}{4}$: $\frac{3 \times 1·56}{4}$ = 0·39 : 1·17

Cont. item No. 15

(a) Cost of cement 1·17 cft. @ Tk. 115·00 per bag.	Tk.	134·55
(b) Cost of colour 0·39 × 75 lbs per cft. 29·25 lbs @Tk. 16·00 per lbs	Tk.	468·00
(c) Mason $\frac{1}{2}$ No. @ Tk. 50·00	Tk.	25·00
(d) Labour 1 No. @ Tk. 25·00	Tk.	25·00
(e) Carriage and local carriage.	Tk.	12·00
(f) Labour for polishing @ Tk. 0·60 per sft.	Tk.	60·00
(g) Cost of patent stone same as item No. 14 (a) except the cost of $\frac{1}{2}$ bag cement for finishing.	Tk.	453·51
	Tk.	1178·06
Contractor's Profit 10% except on (g)	Tk.	72·45
	Tk.	1250·51

Say, rate per square foot Tk. $\frac{1250·51}{100}$ = Tk. 12·50

Say Tk. 12·50

Analysis for item No. 16 (a)

$\frac{1}{4}$" Thick (finished) Silver grey situ mosaic (1 : $1\frac{1}{2}$: 3) on 1" thick artificial patent stone flooring (1 : 2 : 4) including supply of all materials for 100 sft.

(a) Marble chips 2 bags @ Tk. 240·00 per bag	Tk.	480 00
(b) White cement $\frac{1}{2}$ bag 56 lbs. @ Tk. 584·12 (1 bag of 40 kg.) @ Tk. 460·00 & 1 bag of 112 lbs. Tk. 584·12	Tk.	292·06
(c) Marble dust $\frac{3}{4}$ bag @ Tk. 160·00 per bag.	Tk.	120·00
(d) Grey cement $\frac{3}{4}$ bag @ Tk. 115·00 per bag.	Tk.	86·25
	Tk.	978·31
So, rate of materials per sft. Tk. 9·78	Tk.	9·78
(e) Labour charge including polishing, finishing, curing, including cost of pumice stone, acid, wax and sundries etc.	Tk.	7·00
	Tk.	16·78
Contractor's Profit 10%	Tk.	1·67
	Tk.	18·45
Patent stone same as item No. 14 (a) except the cost of $\frac{1}{2}$ bag cement Tk. 511·00 – (Tk. 57·50 + 5·75 in/c. profit) for 100 sft.	Tk.	4·47
	Tk.	22·92

Say, rate per square foot Tk. 22·90

Analysis for item No. 16 (b)

$\frac{3}{4}$" thick (finished) silver grey situ mosaic (1 : $1\frac{1}{2}$: 3) on 1" thick artificial patent stone flooring (1 : 2 : 4) including supply of all materials.

(a) Cost of materials Tk. $\frac{9·78 \times 4 \times 3}{8}$ =	Tk.	14·67
(b) Labour charge including polishing, finishing, curing, including cost of pumice stone, acid, wax and sundries etc.	Tk.	7·50
	Tk.	22·17
Contractor's Profit 10%	Tk.	2·21
	Tk.	24·38
(c) Patent stone except the cost of $\frac{1}{2}$ bag cement for 100 sft. vide item No. 16 (a)	Tk.	4·47
	Tk.	28·85

Say, rate per square foot. Tk. 28·85

Analysis for item No. 16 (c)

¼" Thick (finished) Silver grey situ mosaic (1 : 1½ : 3) on 1" thick artificial patent stone flooring (4 : 2 : 1) excluding the cost of marble chips, marble dust and white cement for one square foot.

(a) Grey cement ¾ bag (for 100 sft.) @ Tk. 115·00 per bag.	Tk.	86·25
So, per sft. Tk $\frac{86·25}{100}$ =	Tk.	0·86
(b) Labour charge including, polishing, curing, including the cost of pumice stone, acid, wax and sundries etc.	Tk.	7·00
	Tk.	7·86
Contractor's Profit 10%	Tk.	0·78
	Tk.	8·64
(c) Cost of patent stone except the cost of ½ bag finishing cement vide item No. 14 (a)	Tk.	4·47
	Tk.	13·11

Say, rate per square foot Tk. 13·10

Analysis for item No. 16 (d)

¾" thick (finished) Silver grey situ mosaic (1 : 1½ : 3) on 1" thick artificial patent stone flooring (1 : 2 : 4) excluding the cost of materials, marble dust and white cement for one sft.

(a) Cost of grey cement Tk. $\frac{0·86 \times 4 \times 3}{8}$ =	Tk.	1·29
(b) Labour charge including polishing, finishing, curing including cost of pumice stone, acid, wax polishing and sundries etc.	Tk.	7·50
	Tk.	8·79
Contractor's Profit 10%	Tk.	0·87
	Tk.	9·66
(c) Cost of patent stone, same as item No. 16 (b)	Tk.	4·47
	Tk.	14·13

Say, rate per square foot Tk. 14·12

Analysis for item No. 17 (a)

¼" Thick Silver grey situ mosaic (1 : 1½ : 3) in walls over
½" thick C. P. (4 : 1) including supply of all materials.
½" thick cement plaster (4 : 1) for 100 sft.

(a) Cement 1 bag @ Tk. 115·00	Tk.	115·00
(b) Sand 6 cft. @ Tk. 400·00 per cft.	Tk.	24·00
(c) Head Mason ¼ No @ Tk. 60·00 each.	Tk.	15·00
(d) Mason 1 No. @ Tk. 50·00 each.	Tk.	50·00
(e) Skilled Labour 1 No. @ Tk. 30·00 each.	Tk.	30·00
(f) Scaffolding, curing and sundries.	Tk.	14·00
	Tk.	248·00
Contractor's Profit 10%	Tk.	24·80
	Tk.	272·80

Rate per sft.

(a) Cost of Topping from item No. 16 (a) including Profit.	Tk.	18·45
(b) Cost ½" plaster (4 : 1)	Tk.	2·72
	Tk.	21·17

Say, rate per square foot Tk. 21·15

Analysis for item No. 17 (b)

$\frac{3}{8}$" thick silver grey situ mosaic (1 : $1\frac{1}{2}$: 3) in walls over $\frac{1}{2}$" thick C. P. (4 : 1) including supply of all materials.

Rate per sft.

(a)	Cost of topping from item No. 16 (b) including profit.	Tk.	24·38
(b)	Cost of $\frac{1}{2}$" thick plaster (4 : 1) vide item No. 17 (a)	Tk.	2·72
		Tk.	27·10

Say, rate per square foot Tk. 27·10

Analysis for item No. 17 (c)

$\frac{1}{2}$" Thick silver grey situ mosaic (1 : $1\frac{1}{2}$: 3) in walls over $\frac{1}{2}$" thick cement plaster (4 : 1) excluding the cost of marble chips, marble dust and white cement.

$\frac{1}{2}$" Thick cement plaster (4 : 1) for 100 sft.

(a)	Cement 1 bag @ Tk. 115·00 per bag.	Tk.	115·00
(b)	Sand 6 cft. @ Tk. 4·00	Tk.	24·00
(c)	Head Mason $\frac{1}{4}$ No. @ Tk. 60·00 each.	Tk.	15·00
(d)	Mason 1 No. @ Tk. 50·00 each.	Tk.	50·00
(e)	Skilled labour 1 No. @ Tk. 30·00 each.	Tk.	30·00
(f)	Scaffolding, curing & sundries.	Tk.	14·00
		Tk.	248·00
	Contractor's Profit 10%	Tk.	24·80
		Tk.	272·80

Rate per sft.

(a)	Cost of topping from item No. 16 (c) in/c. profit	Tk.	8·64
(b)	Cost of $\frac{1}{2}$" plaster (4 : 1)	Tk.	2·72
		Tk.	11·36

Say, rate per square foot Tk. 11·35

Analysis for item No. 17 (d)

$\frac{3}{8}$" thick silver grey situ mosaic (1 : $1\frac{1}{2}$: 3) in wall over $\frac{1}{2}$" thick C. P. (4 : 1) excluding the cost of marble chips marble dust and white cement.

(a)	Cost of Topping from item No. 16 (d) in/c. profit	Tk.	9·66
(b)	Cost of $\frac{1}{2}$" thick plaster (4 : 1)	Tk.	2·72
		Tk.	12·38

Say, rate per square foot Tk. 12·40

Analysis for item No. 18 (a)

$\frac{1}{2}$" situ mosaic (1 : 1) (coloured) over 1" thick artificial patent stone flooring including supply of all materials for 100 sft.

(a)	Marble chips 2 bags @ Tk. 240·00 per bag	Tk.	480·00
(b)	White cement 1 bag @ Tk. 584·12 per bag (1 cwt. bag)	Tk.	584·12
(c)	Marble dust 1 bag @ Tk. 160·00 per bag	Tk.	160·00
(d)	Colouring materials 12 lbs. @ Tk. 20·00 per lbs.	Tk.	240·00
		Tk.	1464·12

Rate per sft.

(a) Materials.	Tk.	14·64
(b) Labour for laying, polishing finishing, curing, cost of pumice stone, acid wax & sundries.	Tk.	7·00
	Tk.	21·64
Contractor's Profit 10%	Tk.	2·16
	Tk.	23·80
(c) Cost of patent stone vide item No. 14 (a) excluding cost of $\frac{1}{2}$ bag cement.	Tk.	4·47
	Tk.	28·27

Say, rate per square foot Tk. 28·25

Analysis for item No. 18 (b)

$\frac{3}{8}$" thick situ mosaic (1 : 1) coloured over 1" thick artificial patent stone flooring including supply of all materials for 100 sft.

(a) Cost of materials Tk. $\frac{14·64 \times 4 \times 3}{8}$ =	Tk.	21·96
(b) Labour charge for laying, polishing, finishing, curing, cost of pumice stone, acid, wax and sundries etc.	Tk.	7·50
	Tk.	29·46
Contractor's Profit 10%	Tk.	2·94
	Tk.	32·40
(c) Cost of patent stone, vide item No. 16 (a)	Tk.	4·47
	Tk.	36·87

Say, rate per square foot. Tk. 36·85

Analysis for item No. 18 (c)

$\frac{1}{4}$" Thick situ mosaic (1 : 1) over 1" thick patent stone flooring (4 : 2 : 1) excluding the cost of marble chips, marble dust and white cement for one sft.

(a) Colouring materials 12 lbs for 100 sft. @Tk. 20·00 per lbs.

So, rate per sft. Tk. $\frac{12 \times 20·00}{100}$ =

	Tk.	2·40
(b) Labour charge including polishing, finishing, curing, cost of pumice stone, acid, wax and sundries	Tk.	7·00
	Tk.	9·40
Contractor's Profit 10%	Tk.	0·94
	Tk.	10·34
(c) Cost of patent stone vide item 16 (a) excluding $\frac{1}{2}$ bag cement.	Tk.	4·47
	Tk.	14·81

Say, rate per square foot Tk. 14·80

Analysis for item No. 18 (d)

$\frac{3}{8}$" thick situ mosaic (1 : 1) over 1" thick artificial patent flooring (1 : 2 : 4) excluding the cost of marble chips, marble dust & white cement for 1 sft.

(a) Coloured materials Tk. $\frac{2·40 \times 4 \times 3}{8}$ =	Tk.	3·60
(b) Labour charge, for laying, polishing, finishing curing, cost of pumice stone, acid, wax & sundries etc.	Tk.	7·50
	Tk.	11·10
Contractor's Profit 10%	Tk.	1·11
	Tk.	12·21
(c) Cost of patent stone.	Tk.	4·47
	Tk.	15·68

Say, rate per square foot. Tk. 15·65

Analysis for item No. 19 (a)

¼" Thick coloured mosaic (1 : 1) over ½" thick cement plaster including supply of all materials.

Materials, labour, profit same as item No. 18 (a) in/c. profit	Tk.	23·80
½" Thick plaster (4 : 1) same as item No. 17	Tk.	2·72
	Tk.	26·52

Say, rate per square foot Tk. 26·50

Analysis for item No. 19 (b)

⅜" Thick coloured mosaic (1 : 1) over ½" thick C. P. (4 : 1) to walls including supply of all materials.

(a) Cost of materials vide item No. 18 (a) Tk. $\frac{14·64 \times 4 \times 3}{8}$ =	Tk.	21·96
(b) Labour for laying, polishing, finishing, curing, cost of pumice stone, acid, wax & sundries etc.	Tk.	7·50
	Tk.	29·46
Contractor's Profit 10%	Tk.	2·94
	Tk.	32·40
(c) ½" thick cement plaster (4 : 1)	Tk.	2·72
	Tk.	35·12

Say, rate per sft. Tk. 35·10

Analysis for item No 19 (c)

¼" Thick colour situ mosaic (1 : 1) over ½" thick C. P. (4 : 1) to walls excluding the cost of marble chips, marble dust & white cement.

Rate per sft.

(a) Colouring Materials, labour, profit same as item No. 18 (c) including profit.	Tk.	10·34
(b) ½" Thick cement plaster (4 : 1)	Tk.	2·72
	Tk.	13·05

Say, rate per square foot. Tk. 13·05

Analysis for item No. 19 (d)

⅜" thick coloured mosaic (1 : 1) over ½" thick C. P. (4 : 1) to walls excluding cost of marble chips marble dust & white cement.

Rate per sft.

(a) Colouring materials, same as item No. 18 (d)	Tk.	3·60
(b) Labour charge for laying, polishing, finishing, curing, cost of pumice stone, acid, wax & sundries etc.	Tk.	7·50
	Tk.	11·10
Contractor's Profit 10%	Tk.	1·11
	Tk.	12·21
(c) ½" thick cement plaster (4 : 1)	Tk.	2·72
	Tk.	14·93

Say, rate per sft. Tk. 14·95

Analysis for item No. 20 (a)

Silver grey mosaic tiles (8" × 8" × ¾") flooring including supply of all materials, for 100 sft.

(a) For top rate per sft. vide item No. 16 (a).	Tk.	978·31
(b) Bottom part ½" thick $\frac{100 \times 1{\cdot}5}{2 \times 12} = 6{\cdot}25$ cft.		
(1 : 2) Proportion		
Cement = $\frac{6{\cdot}25}{3} = 2{\cdot}1$ cft. = 1·8 bag @ Tk. 115·00	Tk.	207·00
Sand 4·20 cft. @ Tk. 400·00 per % cft.	Tk.	16·80
(c) Lime mortar proportion (1 : 3) 1½" thick. $\frac{100 \times 3 \times 1{\cdot}5}{2 \times 12} = 18{\cdot}75$ cft.		
Lime $= \frac{18{\cdot}75}{4} = 4{\cdot}7$ cft. @ Tk. 37·77 per cft.	Tk.	177·51
Surki 4·7 × 3 = 14·1 cft. @ Tk. 11·32 per cft.	Tk.	159·61
	Tk.	1539·23
Contractor's Profit 10%	Tk.	153·92
Rate per sft.	Tk.	1693·15
Materials	Tk.	16·93
(d) Labour cost including curing, making tiles, laying finishing, polishing, cost of pumice stone, acid. wax and sundries.	Tk.	6·50
	Tk.	23·43
Contractor's Profit 10% on (d)	Tk.	0·65
	Tk.	24·08

Say, rate per square foot Tk. 24·05

Analysis for item No. 20 (b)

Silver grey mosaic tiles (8" × 8" × ¾") flooring including supply of all materials for 100 sft.

(a) ⅜" for top. vide item No. 16 (b)	Tk.	1467·00
(b) Bottom part, vide item No. 20 (a) (b, c)	Tk.	560·92
	Tk.	2,027·92
Contractor's Profit 10%	Tk.	202·79
Rate per sft.	Tk.	2,230·71
Materials	Tk.	22·30
(c) Labour charge including curing, making tiles, laying finishing, polishing, cost of pumice stone, acid wax and sundries etc.	Tk.	7·00
	Tk.	29·30
Contractor's Profit. 10% on (c)	Tk.	0·70
	Tk.	30·00

Say, rate per sft. Tk. 30·00

Analysis for item No. 20 (c)

Silver grey mosaic tile (8" × 8" × ¾") flooring exculding the cost of marble chips, marble dust and white cement.

(a) For top (excluding marble chips, marble dust and white cement) grev cement ¾ bag @ Tk. 115·00 per bag.	Tk.	86·25
(b) Bottom part ½" thick $100 \times 1{\cdot}5 = \frac{6{\cdot}25}{2 \times 12}$ cft.		
(1 : 2) proportion.		
Cement $= \frac{6{\cdot}25}{3} = 2{\cdot}1$ cft. 1·8 bags @ Tk. 115·00 per bag.	Tk.	207·00
Sand 4·20 cft. @ Tk. 400·00 per % cft.	Tk.	16·80
(c) Lime mortar 1½" thick (1 : 3) $\frac{100 \times 3 \times 1{\cdot}5}{2 \times 12} = 18{\cdot}75$ cft.		
Lime $\frac{18{\cdot}75}{4} = 4{\cdot}7$ cft. @ Tk. 37·77 per cft.	Tk.	177 51
Surki $4{\cdot}7 \times 3 = 14{\cdot}1$ cft. @ Tk. 11·32 per cft.	Tk.	159·66
	Tk.	647·22
Contractor's Profit 10%	Tk.	64·72
	Tk.	711·94
For 100 sft.		
Rate per sft. Tk. $\frac{711{\cdot}94}{100} =$	Tk.	7·11
(d) Labour cost including curing making tiles, curing, laying finishing cost of pumice stone, acid, wax and sundries.	Tk.	6·50
	Tk.	13·61
Contractor's Profit 10% on (d)	Tk.	0·65
	Tk.	14·26

Say, rate per square foot Tk. 14·25

Analysis for item No. 20 (d)

Silver grey mosaic tiles (8" × 8" × ¾") flooring excluding the cost of marble chips, marble dust and white cement.

(a) Cost of top materials $= \frac{0{\cdot}86 \times 4 \times 3}{8}$	Tk.	1·29
(b) Cost of bottom part, vide item No. 20 (a) (b to c)	Tk.	5·60
	Tk.	6·89
Contractor's Profit. 10%	Tk.	0·86
	Tk.	7·75
(c) Labour charge including curing, making tiles, laying finishing cost of pumice stone, acid, wax and sundries etc.	Tk.	7·00
	Tk.	14·75
Contractor's Profit 10% on (c)	Tk.	0·70
	Tk.	15·45

Say, rate per square foot Tk. 15·45

Analysis for item No. 21 (a)

Colour mosaic tiles (8" × 8" × $\frac{3}{4}$") in flooring including cost of all materials. For 100 sft.

(a) $\frac{1}{4}$" colour topping vide item 18 (a) including 10% profit.	Tk.	1610·63
(b) Bottom part vide item 20 (a)	Tk.	617·01
	Tk.	2227·64
Rate per sft.		
Materials	Tk.	22·27
(c) Labour charge including making, tiles curing, laying, finishing, polishing, cost of pumice stone, acid, wax & sundries.	Tk.	6·50
	Tk.	28·77
Contractor's Profit 10% on (c)	Tk.	0·65
	Tk.	29·42

Say, rate per square foot Tk. 29·40

Analysis for item No. 21 (b)

Coloured mosaic tiles (8" × 8" × $\frac{3}{4}$") in flooring including cost of all materials. For one sft.

(a) $\frac{3}{8}$" colour topping vide item No. 18 (a)	Tk.	21·96
(b) Bottom part vide item No. 20 (a) (b, c)	Tk.	5·60
	Tk.	27·56
Contractor's Profit. 10%	Tk.	2·75
	Tk.	30·31
(c) Labour charge including making tiles, curing, laying finishing, polishing, cost of pumice stone, acid wax and sundries etc.	Tk.	7·00
	Tk.	37·31
Contractor's Profit 10% on (c)	Tk.	0·70
	Tk.	38·01

Say, rate per sft Tk. 38·00

Analysis for item No. 21 (c)

Colour mosaic tiles (8" × 8" × $\frac{3}{4}$") in flooring excluding cost of marble chips, marble dust and white cement.
For 100 sft. of work.

(a) $\frac{1}{4}$" coloured topping colouring materials 12 lbs. @ Tk. 20·00 per lbs.	Tk.	240·00
(b) Bottom portion vide item No. 20	Tk.	560·92
	Tk.	800·92
Contractor's Profit 10%	Tk.	80·09
	Tk.	881·01
Rate per sft.		
Materials.	Tk.	8·81
(c) Labour charge including making tiles, curing, laying, polishing, finishing, cost of pumice stone, acid, wax & sundries.	Tk.	6·50
	Tk.	15·31
Contractor's Profit 10% on (c)	Tk.	0·65
	Tk.	15·96

Say, rate per square foot Tk. 15·95

Analysis for Item No. 21 (d)

Colour mosaic tiles (8" × 8" × $\frac{3}{4}$") in flooring excluding cost of marble chips, marble dust and white cement. For one sft.

(a) $\frac{3}{8}$" coloured topping materials = $\frac{2{\cdot}40 \times 4 \times 3}{8}$	Tk.	3·60
(b) Bottom portion vide item No. 21 (c)	Tk.	5·60
	Tk.	9·20
Contractor's Profit. 10%	Tk.	0·92
	Tk.	10·12
(c) Labour charge including making tiles, during, laying, finishing, polishing cost of pumic stone acid, wax and sun dries etc.	Tk.	7·00
	Tk.	17·12
Contractor's Profit 10% on (c)	Tk.	0·70
	Tk.	17·82

Say, rate per sft. Tk. 17·80

Analysis for item No. 22 (a)

Design mosaic terrazo tiles (8" × 8" × $\frac{3}{4}$") in/c. cost of all materia's.

Rate per sft.

(a) Cost as per item No. 21 (a)	Tk.	29·42
(b) Extra cost of labour.	Tk.	1·25
	Tk.	30·67

Say, rate per square foot Tk. 30·65

Analysis for item No. 22 (b)

Design mosaic terrazo tiles (8" × 8" × $\frac{3}{4}$") in/c. cost of all materials. Rate per sft.

(a) $\frac{3}{8}$" colour topping material = $\frac{14{\cdot}63 \times 4 \times 3}{8}$	Tk.	21·93
(b) Bottom part vide item No. 21 (c)	Tk.	5·63
	Tk.	27·56
Contractor's Profit 10%	Tk.	2·75
	Tk.	30·31
(c) Labour charge for making tiles, curing, laying, polishing, cost of pumice stone, acid, wax and sundries.	Tk.	8·50
	Tk.	38 81
Contractor's Profit 10% on (c)	Tk.	0 85
	Tk.	39·66

Say, rate per square foot. Tk. 39·65

Analysis for item No. 22 (c)

$\frac{1}{4}$" Design mosaic terrazo tiles (8" × 8" × $\frac{3}{4}$") excluding cost of marble chips, marble dust and white cement.

(a) Cost as per item No. 21 (c)	Tk.	15·96
(b) Extra cost of labour.	Tk.	1·50
	Tk.	17·46

Say, rate per square foot Tk. 17·45

Analysis for item No. 22 (d)

Design mosaic terrazo tiles (8" × 8" × $\frac{3}{4}$") excluding cost of marble chips, marble dust and white cement.
Rate per sft.

(a) $\frac{3}{8}$" coloured topping materials = $\frac{2{\cdot}40 \times 4 \times 3}{8}$	Tk.	3·60
(b) Bottom portion vide item No. 20 (a) (b to c)	Tk.	5 60
	Tk.	9·20
Contractor's Profit 10%	Tk.	0·92
	Tk.	10·12
(c) Labour charge including making tiles, curing, laying, polishing, cost of pumic stone acid, wax and sundries etc.	Tk.	8·50
	Tk.	18·62
Contractor's Profit 10% on (c)	Tk.	0·85
	Tk.	19·47

Say, rate per square foot. Tk. 19·45

Analysis for item No. 23

3" Thick R. B. work (4 : 1) with Nos. $\frac{1}{4}$" dia rods every third layer.
For 100 sft.

(a) Bricks 290 Nos. @ Tk. 1200·00 per % Nos.	Tk.	348·00
(b) Cement 1 bag @ Tk. 115·00 per bag.	Tk.	115·00
(c) Sand 7 cft. @ Tk. 400·00 per % cft.	Tk.	28·00
(d) Head Mason $\frac{1}{10}$ No. @ Tk. 60·00 each.	Tk.	7·50
(e) $\frac{1}{4}$" dia rod 35 lbs. @ Tk. 650·00 per cwt.	Tk.	203·00
(f) Rod mistry $\frac{1}{10}$ No. @ Tk. 60·00 each.	Tk.	7·50
(g) Labour : (i) Mason 1 No. @ Tk. 50·00 each.	Tk.	50·00
(ii) Skilled labour 1 No. @ Tk. 30·00 each.	Tk.	30·00
(iii) Ordinary labour 2 Nos. @ Tk. 25·00 each.	Tk.	50·00
(h) Scaffolding L. S.	Tk.	24·00
(i) Local carriage, sundries and curing.	Tk.	24 00
	Tk.	887·00
Contractor's Profit 10%	Tk.	88·70
	Tk.	975·70

Say, rate per hundred square feet. Tk. 975·00

Analysis for item No. 24

$\frac{1}{2}$" Thick cement plaster (4 : 1) with neat cement finishing.
For 100 sft. of work :

(a) Cement for plaster 1 bag @ Tk. 115·00 per bag	Tk.	115·00
(b) Sand 5 cft. @ Tk. 400·00 per % cft.	Tk.	20·00
(c) Cement for neat cement finishing $\frac{1}{2}$ bag @ Tk. 115·00 per bag	Tk.	57·50
(d) Labour : (i) Head Mason $\frac{1}{4}$ No. @ Tk. 60·00 each.	Tk.	15·00
(ii) Mason 1 No. @ Tk. 50·00 each.	Tk.	50·00
(iii) Labour 1 No. @ Tk. 25·00 each.	Tk.	25·00
(e) Curing sundries etc.	Tk.	25·00
	Tk.	307·50
Contractor's Profit 10%	Tk.	30·75
	Tk.	338·25

Say, rate per hundred cubic feet. Tk. 338·00

Analysis for item No. 25

Min. ½" thick cement plaster (6 : 1) to walls.
For ½" thick cement plaster (6 : 1) to walls. For 100 sft. of work.

(a)	Cement ¾ bag @ Tk. 115·00 per bag.	Tk.	86·25
(b)	Sand 6 cft. @ Tk. 400·00 per ⅝ cft.	Tk.	24·00
(c)	Labour :	Tk.	15·00
	(i) Head Mason ¼ No. @ Tk. 60·00 each.	Tk.	50·00
	(ii) Mason 1 No. @ Tk. 50·00 each.	Tk.	25·00
	(iii) Labour 1 No. @ Tk. 25·00 each.	Tk.	25·00
(d)	Scaffolding, curing and sundries.	Tk.	225·25
	Contractor's Profit 10%	Tk.	22·52
		Tk.	247·77

For ¾" Thick cement plaster (6 : 1) to walls. For 100 sft. of work.

(a)	Cement 1 bag @ Tk. 115·00 per bag.	Tk.	115·00
(b)	Sand 8 cft. @ Tk. 400·00 per ⅝ cft.	Tk.	32·00
(c)	Labour :		
	(i) Head Mason ¼ Nos. @ Tk. 60·00 each.	Tk.	16·00
	(ii) Mason 1¼ Nos. @ Tk. 50·00 each.	Tk.	62·50
	(iii) Labour 1¼ Nos. @ Tk. 25·00 each.	Tk.	31·25
(d)	Scaffolding, curing and sundries.	Tk.	25·00
		Tk.	280·75
	Contractor's Profit 10%	Tk.	28·07
		Tk.	308·82

Rate for minimum ½" thick cement plaster :

Average rate Tk. $\frac{247·77+308·82}{2}=\frac{556·59}{2}$ = Tk. 278·29

Say, rate per hundred square feet Tk. 278·00

Analysis for item No. 26

½" Thick cement plaster (4 : 1) to ceiling, column, beams etc.
For 100 sft. of work.

(a)	Cement ½ bag @ Tk. 115·00 per bag.	Tk.	57·50
(b)	Sand 3 cft. @ Tk. 400·00 per ⅝ cft.	Tk.	12·00
(c)	Labour :		
	(i) Head Mason ¼ No. @ Tk. 60·00 each.	Tk.	15·00
	(ii) Mason 1 No. @ Tk. 50·00 each.	Tk.	50·00
	(iii) Labour 1 No. @ Tk. 25·00 each.	Tk.	25·00
(d)	Scaffolding, curing & sundries.	Tk.	25·00
		Tk.	184·50
	Contractor's Profit 10%	Tk.	18·45
		Tk.	202·95

Say, rate per hundred square feet Tk. 203·00

Analysis for Item No. 27

Ruled pointing with cement mortar (2 : 1) to walls.
For 100 sft. of work :

(a) Cement ½ bag @ Tk. 115·00 per bag.	Tk.	57·50
(b) Sand 1·5 cft. @ Tk. 400·00 per % cft.	Tk.	6·00
(c) Labour : (i) Head Mason ¼ No. @ Tk. 60·00 each.	Tk.	15·00
(ii) Mason 1 No. @ Tk. 50·00 each.	Tk.	50·00
(iii) Labour 1 No. @ Tk. 25·00 each.	Tk.	25·00
(d) Scaffolding, curing and sundries.	Tk.	18·00
	Tk.	171·50
Contractor's Profit 10%	Tk.	17·15
	Tk.	188·65

Say, rate per hundred square feet Tk. 188·00

Analysis for item No. 28

White washing 3 coats. For 1000 sft. of work.

(a) Slaked stone lime 15 seers @ Tk. 2·12 per seer.	Tk.	31·80
(b) Shell lime 5 seers @ Tk. 3·50 per seer.	Tk.	17·50
(c) Gum 1 Chhatak @ Tk. 6·00 per chhatak.	Tk.	6·00
(d) Gum Blue 1 chhatak @ Tk. 3·50 per chhatak.	Tk.	3·50
(e) Labour : (i) Mason 1½ Nos. @ Tk. 50·00 each	Tk.	75·00
(ii) Labour 1 No. @ Tk. 25·00 each	Tk.	25·00
(f) Scaffolding and sundries.	Tk.	14·00
	Tk.	172·80
Contractor's Profit 10%	Tk.	17·28
	Tk.	190·08

Say, rate per thousand square feet Tk. 190·00

Analysis for item No. 29

Colour washing with yellow or grey two coats over a cost of white wash. For 1000 sft. of work.

(a) Same as item No. 28	Tk.	172·80
(b) Cost of colour pigment 2·5 seers @ Tk. 40·00 per seer.	Tk.	100·00
	Tk.	272·80
Contractor's Profit 10%	Tk.	27·28
	Tk.	300·08

Say, rate per thousand square feet Tk. 300·00

Analysis for item No. 30

R. C. C. work (4 : 2 : 1) complete excluding the cost of rods and fabrication in footing of column, raft and floor slab at plinth level. For 100 cft. of work.

A. (a) Brick chips 100 cft. 900 Nos. of brick @ Tk. 1200·00 % Nos.	Tk.	1080·00
(b) Breaking cost of chips and screening.	Tk.	135·00
(c) Sand (Sylhet) 15 cft. @ Tk. 900·00 per % cft.	Tk.	135·00
Sand (Local) 30 cft. @ Tk. 400·00 per % cft.	Tk.	120·00
(d) Cement 18 bag @ Tk. 115·00 per bag.	Tk.	2070·00
(e) Local carriage, storage & sundries.	Tk.	15·00
(f) Curing same as item 3 (a)	Tk.	43·75
	Tk.	3598·75
Contractor's Profit 10%	Tk.	359·87
	Tk.	3958·62

Contd. item No. 30

B. Labour for casting. For 600 cft.

(a) Head Mason 1 No. @ Tk. 60·00 each	Tk.	60·00
(b) Mason 4 Nos. @ Tk. 50·00 each	Tk.	200·00
(c) Skilled labour 6 Nos. @ Tk. 30·00 each	Tk.	180·00
(d) Ordinary labour 34 Nos. @ Tk. 25·00 each	Tk.	850·00
(e) Hire charge of mixer machine.	Tk.	225·00
(f) Vibrator hire charge.	Tk.	160·00
(g) Fuel and lubricants.	Tk.	130·00
(h) Miscellaneous.	Tk.	80·00
	Tk.	1885·00
Contractor's Profit 10%	Tk.	188·50
	Tk.	2073·50

For 100 cft. Tk: $\frac{2073{\cdot}50 \times 100}{600}$ = Tk. 345·58

Analysis of labour as per 'c' & 'd' above.

(i) Feeding cement	1 No.	6 Nos. skilled labour
(ii) Feeding sand	2 Nos.	
(iii) Feeding chips including screening.	3 ,,	
(iv) Bag cutting	1 No.	34 Nos. ordinary labour
(v) Belcha	3 Nos.	
(vi) Lifting	9 ,,	
(vii) Pouring	9 ,,	
(viii) On the way	9 ,,	
(ix) Poling	2 ,,	
(x) Watering	1 ,,	

C. Cost of shuttering :

(i) Shuttering materials

Assuming 6'—0" × 6'—0" base (D 14" ; d—10")

Volume of concrete 6'—0" × 6'—0" × 1'—0" = 36 cft.

Planks required.

24'—0" × 1'—0" × 0'—1" = 2 cft. @ Tk. 170·00 per cft. = 340·00

Using 6 times ≐ $\frac{340{\cdot}00}{6}$ = 56·66

(ii) Labour for shuttering @ Tk. 1·25 per sft. (for 24 sft.)	Tk.	56·66
	Tk.	30·00
	Tk.	86·66
Contractor's Profit 10%	Tk.	8·66
	Tk.	95·32

So, for 100 cft. = Tk: $\frac{95{\cdot}32 \times 100}{36}$ = Tk. 264·77

Abstract of cost.

For 100 cft.

(a) Cost of concrete	Tk.	3958·62
(b) Labour cost for casting	Tk.	345·58
(c) Cost of shuttering	Tk.	264·77
	Tk.	4568·97

Rate per cft. Tk. 45·68

Say, rate as per cubic foot = Tk. 45·65

Analysis for item No. 31

R. C. C. work (4 : 2 : 1) in foundation beam.

A. Same as item No. 30	Tk.	3958·62
B. Same as item No. 30	Tk.	345·58

C. Cost of shuttering

Assuming 10′—0″ × 3′—0″ × 1′—6″ beam

Volume of concrete 10′—0″ × 3′—0″ × 1′—6″ = 45 cft.

Shuttering wood.

Plank 2 × 10′—0″ × 3′—0″ × 0′—1½″	= 7·50 cft.
Batten 7 × 3′ —0″ × 0′— 3″ × 0′—1½″	= 0·66 cft.
Batten 4 × 1′ —9″ × 0′— 3″ × 0′— 1½″.	0·22 cft.
	8·38 cft.

@ Tk. 170·00 per cft. = Tk. 1424·60

Using 6 itmes = Tk. $\frac{1424·60}{6}$ Tk. 237·43

Labour for shuttering @ Tk. 1·25 per sft. (for 60 sft.) Tk. 75·00

Tk. 312·43

So, for 100 cft. = Tk. $\frac{312·43 \times 100}{45}$ Tk. 694·28

Contractor's Profit 10% Tk. 69·42

Tk. 763·70

Abstract of cost.

For 100 cft.

A. Cost of concrete.	Tk.	3958·62
B. Cost of casting.	Tk.	345·58
C. Cost of shuttering.	Tk.	763·70
	Tk.	5067·90

Rate per cft. Tk. 50·67

Say, rate per cubic foot. = Tk. 50·65

Analysis for item No. 32

R. C. C. work (4 : 2 : 1) in Padastals, column, captials, lift walls and walls. For 100 cft. of work.

A. Same as item No. 30	Tk.	3958·62
B. Same as item No. 30	Tk.	345·58

C. Cost of shuttering

Assume 12″ × 12″ × 10′— 0″ column

Volume of concrete = 10 cft.

Shuttering wood.

2 × 10′ 10″ × 1′– 3″ × 0′—1½″	= 3·15 cft.
2 × 10′ 0″ × 1′ – 0″ × 0″—1½″	= 2·50 cft.
3 × 4′—0″ × 0′—3″ × 0′— 1½″	= 0·37 cft.
	6·02 cft.

Tk. 4304·20

cont. item No. 32 B. F. = Tk. 4304·20

@ Tk. 170·00 per cft. = Tk. 1023·40

Using 6 times = Tk. $\frac{1023·40}{6}$ = Tk. 170·56

Labour for shuttering @ Tk. 1·25 per sft. (for 40 sft.)
= Tk. 50·00

Tk. 220·56

Contractor's Profit 10% Tk. 22·05

Tk. 242·61

For 100 cft. = Tk. $\frac{242·61 \times 100}{10}$ = 2426·10

	Tk.	2426·10
	Tk.	6730·30

Abstract of cost

For 100 cft.

A. Cost of concrete	Tk.	3958·62
B. Cost of casing	Tk.	345·58
C. Cost of shuttering	Tk.	2426·10
Rate per cft. Tk. 67·30	Tk.	6730·30

(a) Below plinth level & in Ground floor.

Say, rate per cubic foot = Tk. 67·30

(b) 1st floor :

(i) Same as ground floor.	Tk.	67·30
(ii) Add extra for upper floor.	Tk.	1·00
Say, rate per cubic foot = Tk. 68·30	Tk.	68·30

(c) 2nd floor :

(i) Same as 1st floor :	Tk.	68·30
(ii) Add extra for upper floor.	Tk.	1·00
Say, rate per cubic foot = Tk. 69·30	Tk.	69·30

(d) 3rd floor :

(i) Same as 2nd floor	Tk.	69·30
(ii) Add extra for upper floor	Tk.	1·00
Say, rate per cubic foot = Tk. 70·30	Tk.	70·30

Analysis for item No. 33

R. C. C. work (4 : 2 : 1) in Tie beam and Lintel.

For 100 cft. of work.

A. Same as item No. 30		Tk.	3958·62
B. Same as item No. 30		Tk.	345·58
C. Cost of shuttering.			
Assume 10'—0" rft. of 10" × 10" Tie beam or Lintel.			
Volume of concrete 10'—0" × 0'—10" × 0'—10" = 6·95 cft.			
Shuttering wood			
Wooden planks 2 × 10"—0' × 0'—10" × 0'—1½"	Tk. 2·08 cft.		
Batten 3 × 1'—1" × 0'—1½" × 0'—2"	Tk. 0·06 cft.		
	Tk. 2·14 cft.		
Add extra for door and window opening			
25% of batten	Tk. 0·015 cft.		
	Tk. 2·155 cft.	Tk.	4304·20

Contd. item No. 33 B. F. = Tk. 4304·20

@ Tk. 170·00 per cft. Tk. 366·35

Using 6 times Tk. $\frac{366·35}{6}$ Tk. 61·05

Labour for shuttering.

Area $\frac{2 \times 10' - 0'' \times 10''}{12}$ = 16·6 cft. @ Tk. 1·25 per sft. Tk. 20·75

Tk. 81·80

Contractor's Profit 10% Tk. 8·18

So, for 100 cft. Tk. $\frac{89·98 \times 100}{6·95}$ = Tk. 1294·67 Tk. 89·98

Abstract of cost

A. Cost of concrete	Tk.	3958·62
B. Cost of casting	Tk.	345·58
C. Cost of shuttering	Tk.	1294·67
	Tk.	5598·87

Rate per cft.

(a) Ground floor Tk. 55·38

Say, rate per cubic foot = Tk. 56·00

(b) 1st floor :

(i) Same as ground floor	Tk.	56·00
(ii) Add extra for upper floor	Tk.	1·00
	Tk.	57·00

Say, rate per cubic foot = Tk. 57·00

(c) 2nd floor :

(i) Same as 1st floor	Tk.	57·00
(ii) Add extra for upper floor :	Tk.	1·00
	Tk.	58·00

Say, rate per cubic foot = Tk. 58·00

(d) 3rd floor :

(i) Same as 2nd floor	Tk.	58·00
(ii) Add extra for upper floor	Tk.	1·00
	Tk.	59·00

Say, rate per cubic foot = Tk. 59·00

Analysis for item No. 34

R. C. C. work (4 : 2 : 1) excluding the cost of reinforcement in Tee beams, Ell-beams and Rectangular beams etc.

For 100 cft. of work :

A. Same as item No. 30	Tk.	3958·62
B. Same as item No. 30	Tk.	345·58
C. Cost of shuttering :	Tk.	4304·20

Assume 20′—0″ × 1′—6″ × 0′—10″ beam

Volume of concrete 20′—0″ × 1′—6″ × 0′ 10″ = 25 cft.

contd. item No. 34

Materials required :—

(a) Bamboo post 4 Nos. @ Tk. 20·00 each = Tk. 80·00

Using 6 times Tk. $\frac{80·00}{6}$ = Tk. 13·33

(b) Sulbullah 10 Nos. × 10′—0″ = 100 rft.

@ Tk. 8·75 per rft. = Tk. 875·00

Using 8 times Tk. $\frac{875·00}{8}$ = Tk. 109·37

Tk. 122·70

(c) Shuttering materials

Planks $2+20′-0″ \times 1′-6″ \times 0′ \times 1\frac{1}{2}″$ = 7·50 cft.

$1 \times 20′-0″ \times 1′-1″ \times 0′-1\frac{1}{2}″$ = 2·71 ,,

Battens $9 \times 1′-3″ \times 0′-3″ \times 0′-1\frac{1}{2}″$ = 0·35 ,,

$10 \times 1′-1″ \times 0′-2″ \times 0′-1\frac{1}{2}″$ = 0·23 ,,

= 10·80 cft.

@ Tk. 170·00 per c't. = Tk. 1836·00

Using 6 times = Tk. $\frac{1836·00}{6}$ = Tk. 306·00

Tk. 428·70

(d) Nails 1 seer @ Tk. 18·00 per seer Tk. 18·00

(e) Labour for 20 rft. @ Tk. 4·62 per rft. Tk. 92·40

Tk. 539·10

Contractor's Profit, 10% Tk. 53·91

Tk. 593·01

For 25 c't.

So, for 100 cft. Tk. $\frac{593·01 \times 100}{25}$ = Tk. 2372·04

For 100 cft.

A. Cost of concrete	Tk.	3958·62
B. Cost of casting	Tk.	345·58
C. Cost of shuttering	Tk.	2372·04
	Tk.	6676·24

∴ Rate per cft. = Tk. 66·75

(a) Ground floor :— ... ... Tk. 66·75

Say, rate per cubic foot = Tk. 66·75

(b) 1st floor :—

(i) Same as Ground floor Tk. 66·75

(ii) Add extra for upper floor Tk. 1·00

Tk. 67·75

Say, rate per cubic foot = Tk. 67·75

(c) 2nd floor :—

(i) Same as 1st floor Tk. 67·75

(ii) Add extra for upper floor Tk. 1·00

Tk. 68·75

Say, rate per cubic foot = Tk. 68·75.

contd. item No. 34

(d) 3rd floor :

(i) Same as 2nd floor	Tk.	68·75
(ii) Add extra for upper floor	Tk.	1·00
	Tk.	69·75

Say, rate per cubic foot = Tk. 69·75

Analysis for item No. 35

R. C. C. work (4 : 2 : 1) excuding the cost of reinforcement for roof slab etc. For 100 cft. of work :

A. Same as item No. 30	Tk.	3958·62
B. Same as item NO. 30	Tk.	345·58

C. Cost of shutterirg

Assuming 100 sft. of 4" thick roof slab.

Volume of concrete $\frac{100}{3}$ = 33·33 cft.

(a) Wooden planks for centering 100 sft.

10' 0" × 10'—0" × 0'—1" = 8·33 cft.

@ Tk. 170·00 per cft. = Tk. 1416·10

Using 6 times Tk. $\frac{1416·10}{6}$ = Tk. 236·01

(b) Wooden battens :

$4\frac{1}{2}$ Nos. × 10'—0" × 0'—3" × 0'—$1\frac{1}{2}$" = 1·404 cft.

@ Tk. 170·00 per cft. = Tk. 238·68

Using 6 times Tk. $\frac{238·68}{6}$ = Tk. 39·78

Tk. 275·79 Tk. 275·79

(c) Bamboo post 20 Nos. @ Tk. 20·00 each Tk. 400·00

Using 6 times Tk. $\frac{400·00}{6}$ = Tk. 66·66

(d) Nails and other materials for fixing the gaps and closing them L.S. Tk. 25·00

(e) Labour for shuttering 100 sft. @ Tk. 1·25 per sft. Tk. 125·00

	Tk.	492·45
Contractor's Profit 10%	Tk.	49·24
For 33·33 cft.	Tk.	541·69

So, for 100 cft. = Tk. $\frac{541·69}{33·33} \times 100$ = Tk. 1625·23

Abstract of cost

A. Cost of concrete	Tk.	3958·62
B. Cost of casting	Tk.	345·58
C. Cost of shuttering	Tk.	1625·23
	Tk.	5929·43

Rate per cft. 59·29

(a) Ground floor per cft. Tk. 59·29

Say, rate per cubic foot = Tk. 59·30

contd. item No. 35

(b) 1st floor :—

(i) Same as Ground floor	Tk.	59·30
(ii) Add extra for upper floor	Tk.	1·00
	Tk.	60·30

Say, rate per cubic foot Tk. 60·30

(c) 2nd floor :—

(i) Same as 1st floor	Tk.	60·30
(ii) Add extra for upper floor	Tk.	1·00
	Tk.	61·30

Say, rate per cubic foot = Tk. 61·30

(d) 3rd floor :—

(i) Same as 2nd floor	Tk.	61·30
(ii) Add extra for upper floor	Tk.	1·00
	Tk.	62·30

Say, rate per cubic foot = Tk. 62·30

Analysis for item No. 36

R. C. C. work (4 : 2 : 1) excluding reinforcement av. 3" thick Sunshade, Cornice, Railing, Drop walls etc. for all floors up to the third floor. For one sft.

For 100 cft. of work :

A.	Same as item No. 30	Tk.	3958·62
B.	Same as item No. 30	Tk.	345·58
C.	Cost of shuttering :		
	Assume 8'—0" × 3'—0" = 24 sft. of railing.		
	Volume of concrete 8'— 0" × 3' 0" × 0'— 3" = 6 cft.		
(a)	Planks 2 × 8'—0" × 3'-0" × 0'—1" = 4·00 cft		
(b)	Battens 2 × 2 × 3'—0" × 0'- 3" × 0'—2" = 0·50 cft.		
	3 × 0'—6" × 0'—3" × 0'—2" = 0·06 cft.		
	4·56 cft.		
	@ Tk. 170.00 per cft. = Tk. 775·20		
	Using 6 times Tk. $\frac{775·20}{6}$ =	Tk.	129·20
(c)	Bamboo struts 4 Nos. @ Tk. 8·00 each = Tk. 32·00		
	Using 6 times Tk. $\frac{32·00}{6}$ = Tk. 5·33	Tk.	5·33
(d)	Nails, gap filling materials etc.	Tk.	12·00
(e)	Labour for shuttering 24 sft. @ Tk. 1·25 per sft.	Tk.	30·00
		Tk.	176·53
	Contractor's Profit 10%	Tk.	17·65
	For 6 cft.	Tk.	194·18

So, for 100 cft. Tk. $\frac{194·18 \times 100}{6}$ = Tk. 3236·33

contd. item No. 36

Abstract of cost

A. Cost of concrete	Tk.	3958·62
B. Cost of casting	Tk.	345·58
C. Cost of shuttering	Tk.	3236·33
	Tk.	7540·53

So, rate per sft. Tk. $\frac{7540·53}{100 \times 4}$ = Tk. 18·85

Say, rat per square foot = Tk. 18·85

Analysis for item No. 37

R. C. C. work (4 : 2 : 1) excluding reinforcement in stair case slabs and steps. For 100 cft. of work.

A. Same as item No. 30 Tk. 3958·62

B. Same as item No. 30 Tk. 345·58

C. Cost of shuttering :

Assuming 5'—10" long & 4'— 0" wide stair.

Volume of concrete.

(i) 5·84" × 0'—6" × 4'—0" = 11·68 cft.

(ii) 5·84" × 4'—0" × 0'—214" = 5·00 ,,

16·68 cft.

(a) Wooden plank for centering. 6'—0" × 4'—0" × 1½" = 3 cft. @ Tk. 170·00 per cft.	Tk.	510·00
(b) Plank for base of post : 6 sft. × 0'—1" = 0·5 cft. @ Tk. 170·00 per cft.	Tk.	85·00
(c) Planks for steps : 6 × 4'—0" × 0'—6" × 0'—1½" = 1·5 cft. @Tk. 170·00 per cft.	Tk.	255·00
(d) Battens : 2 × 5·84 × 0'—3" × 0'—2" = 0·486 cft. @ Tk. 170·00 per cft.	Tk.	82·62
(e) Planks for side of stair 5·84 × 1'—0" × 0'—1½" = 0·73 cft. @ Tk. 170 per cft.	Tk.	124·10
(f) Bamboo posts 4 Nos. @ Tk. 14·00 each.	Tk.	56·00
	Tk.	1112·72
Using 6 times Tk. $\frac{1112·72}{6}$ =	Tk.	185·45
(g) Nails and other materials L. S.	Tk.	18·00
(h) Cost of labour 5·84 × 4 = 23·36 sft. Say, 24 sft. @ Tk. 4·00 per sft.	Tk.	96·00
	Tk.	299·45
Contractor's Profit 10%	Tk.	29·94
	Tk.	329·39

For 16·68 cft.

So, for 100 cft. = Tk. $\frac{329·39 \times 100}{16·68}$ = Tk. 1974·76

Contd. item No. 37

Abstract of cost

A. Cost of concrete	Tk.	3958·62
B. Cost of casting	Tk.	345·58
C. Cost of shuttering	Tk.	1974.76
	Tk.	6278·96

Rate per cft. Tk. 62·78

Say, rate per cubic foot. = Tk. 62·75

Analysis for item No. 38

2½" thick R. C. C. Jally work (4 : 2 : 1). For one sft.
Considering 4·8 sft. of work :

Total volume of concrete = $\frac{4·8 \times 2·5}{12}$ = 1 cft.

Deducting 50% for hollow work, actual volume 0·5 cft.

(a) Cost of concrete, same as item No. 30 = Tk. $\frac{3958·62 \times 0·5}{100}$ =	Tk.	19·79
(b) Cost of labour :		
(i) Mason ¾ No. @ Tk. 50·00	Tk.	37·50
(ii) Labour ½ No. @ Tk. 25·00 each.	Tk.	12·50
(c) Form work @ Tk. 2·50 per sft.	Tk.	12·00
(d) ¼ plaster : Gross area 2 × 4·8 = 9·6 sft. (net area will be less but gross area taken in view of extra labour needed for plaster in Jally) @ Tk. 203·00 per % sft.	Tk.	19·48
	Tk.	101·27
Contractor's Profit 10% on (b & c)	Tk.	6·20
	Tk.	107·47

For 4·8 sft.

Rate per sft. = Tk. $\frac{107·47}{4·8}$ = 22·38

Say, rate per square foot = Tk. 22·40

Analysis for item No. 39 (a)

R. C. C. work (3 : 1½ : 1) with boulder stone chip excluding the cost of rods and its fabrication :

(a) *In footing* of column, rafts and floor slab at plinth level.
For 100 cft. of work.

A (i) Cost of boulder 82 cft. @ Tk. 1800·00 per % cft.	Tk.	1476·00
(ii) Breaking stone chips ¾" to down size including screening 82 cft. @ Tk. 300·00% cft.	Tk.	246·00
(iii) Sylhet sand of F. M. 2·5 = 41 cft. @ Tk. 900 % cft.	Tk.	369·00
(iv) Cement 22 bags @ Tk. 115 per bag.	Tk.	2530·00
(v) Local carriage, storage and sundries	Tk.	12·80
(vi) Curing 1¾ labour @ Tk. 25·00 each	Tk.	43·75
	Tk.	4677·55
Contractor's Profit 10 %	Tk.	467·75
	Tk.	5145·30

contd. item No. 39 (a)

For 100 cft. Rate per cft. $\frac{5145{\cdot}30}{100}$ = Tk. 51·45 per cft.

Say, Tk. 5145·00 per % cft.

B. Labour for casting as per item No. 30 (B)	Tk.	345·58
C. Cost of shuttering as per item No. 30 (C)	Tk.	264·77

Abstract of cost

For 100 cft.		
A. Cost of concrete	Tk.	5145·30
B. Labour cost for casting	Tk.	345·50
C. Cost of shuttering	Tk.	264·77
	Tk.	5755·65

Cost per cft. Tk. 57·55

Say, rate per cubic foot = Tk. 57·55

Analysis for item No. 39 b)

R. C. C. work (3 : $1\frac{1}{2}$: 1) in fourdation beam.

A. Same as item No. 39 (a) (A)	Tk.	5145·30
B. Same as item No. 3 (B)	Tk.	345·58
C. Cost of shutterirg same as item No. 31 (C)	Tk.	763·70

Abstract of cost

For 100 cft.		
A. Cost of concrete	Tk.	5145·30
B. Cost of casting	Tk.	345·58
C. Cost of shuttering	Tk.	763·70
	Tk.	6254·58

Rate per cft. Tk. 62·54

Say, rate per cubic foot = Tk. 62·55

Analysis for item No. 39 (c)

R. C. C. work (3 : $1\frac{1}{2}$: 1) in Pedestals, columns, capitals, lift walls and walls etc.

For 100 cft. of work :

A. Same as item No. 39 (A)	Tk.	5145·30
B. Same as item No. 30 (B)	Tk.	345·58

C. Cost of shuttering :

Assume 12" × 12" × 10'—0" column

Volume of concrete = 10 cft.

Shuttering plate :—

1/12" thick steel plate

(i) 4 × 10'—0" × 1'—0" = 40 sft. @ 3·40 lbs. per sft. 136·00 lbs.

(ii) 2" × 2" × $\frac{1}{4}$" angle iron frame

4 × 10'—0" = 40 sft. @ 3·19 lbs per sft. 127·60 lbs.

contd. item No. 39 (c)

(iii) 2" × ¼" F. l. bar.

For stiffener 4 × 10 × 1'—0" = 40'—0"

For clamp 3 × 8 × 0'—6" = $\frac{12'—0"}{+2'—0"}$

@ Tk. 1·70 lbs. per rft. = $\frac{88·40 \text{ lbs}}{352·00}$ = 3·14 cwt.

@ Tk. 650·00 per cwt. Tk. 2041·00

(iv) 1½" dia steel pipe for propping 4 × 6'—0" = 24 rft.

@ Tk. 29·00 per rft. Tk. 696·00

(v) Manufacturing fitting and fixing frame, including drilling holes revetting, welding and supplying of Chemical etc.

4 × 10'—0" × 1'—0" = 40 sft. @ Tk. 15·00 per sft. Tk. 600·00

(vi) Cost of bolts and nuts L. S. Tk. 45·00

Tk. 3382·00

Taking use for 25 times = Tk. $\frac{3382·00}{25}$ = Tk. 135·28 Tk. 135.28

(vii) Labour for fitting and fixing frame and shuttering in position including providing propping as required.

40 sft. @ Tk. 1·50 per sft. Tk. 60·00

Tk. 195·28

Contractor's Profit 10% Tk. 19·52

Tk. 214·80

Cost for 100 cft. = Tk. $\frac{214·80 \times 100}{10}$ = Tk. 2148·00 Tk. 2148·00

Abstract of cost

A. Cost of concrete	Tk.	5145·30
B. Cost of casting	Tk.	345·56
C. Cost of shuttering	Tk.	2148·00
	Tk.	7638·88

Rate per cft. Tk. 76·38

Say, rate per cubic foot = Tk. 76·40

Add Tk. 1·00 for each additional floor upto 3rd floor

Analysis for item No. 39 (d)

R. C. C. work (3 : 1½ : 1) in Tie beam and lintel.

For 100 cft. of work.

A. Cost of concrete—Same as item No. 39 (a) (A)	Tk.	5145·30
B. Cost of casting—Same as item No. 30 (B)	Tk.	345·58
C. Cost of shuttering—Same as item No 33 (C)	Tk.	1294·67
	Tk.	6785·55

Abstract of cost

A. Cost of concrete	Tk.	5145·30
B. Cost of casting	Tk.	345·58
C. Cost of shuttering	Tk.	1294·67
	Tk.	6785·55

Cost per cft. = Tk. 67·85

Say, rate per cubic foot = 67·85

Add Tk. 1·00 for each additional floor upto 3rd floor.

Analysis for item No. 39 (e)

R. C. C. work (3 : $1\frac{1}{2}$: 1) excluding cost of reinforcement and its fabrication in Tee beams, Ell-beams and Rectangular beams.

For 100 cft. of work :

A.	Same as item No. 39 (a) (A)	Tk.	5145·30
B.	Same as item No. 30 (B)	Tk.	345·58

C. Cost of shuttering :

Assume 20′—0″ × 1′—6″ × 1′—0″ beam

Volume of concrete 20′—0″ × 1′—6″ × 1′—0″ = 30 cft.

Materials required :

(i) $\frac{1}{16}$″ thick steel plate :

Sides 2 × 20′—0″ × 1′—6″ = 60·00 sft.

Bottom 1 × 20′—0″ × 1′—$\frac{1}{2}$″ = 20·80 sft.

80·80 sft.

@ 3·40 lbs per sft. = 274·72 lbs.

(ii) $2\frac{1}{2}$″ × $2\frac{1}{2}$″ × $\frac{1}{4}$ M. S. angle frame :

Sides—2 × 2 × 20′—0″ = 80′—0″

Bottom—2 × 1 × 20′—0″ = 40′—0″

Support—10 × 2′—0″ = 20′—0″

140′—0″

@ 4·04 lbs. per rft. = 565·60 lbs

(iii) 2″ × $\frac{1}{4}$″ F. I. Bar :

For stiffener 2 × 20 × 1′—0″ = 40′—0″

2 × 10 × 1′—0″ = 20′—0″

For clamps 10 × 2 × 0′—6″ = 10′—0″

70′—0″

@ Tk. 1·70 lbs pe rft. = 119·00 lbs

959·32 lbs = 8·57 cwt.

@ Tk. 650·00 per cwt. Tk. 5570·50

(iv) 2″ dia G. I. pipe for propping

6 × 2 × 8′—6″ = 102 rft. @ Tk. 39·00 per rft. Tk. 3978·00

(v) Manufacturing cost for making fitting and fixing of shuttering including drilling, revetting welding & supplying of chemical etc.

20′—0″ × 3′—0″ = 60 sft. @ Tk. 15·00 per sft. Tk. 900·00

(vi) Cost of bolts and nuts. Tk. 160·00

Tk. 10508·50

Considering 25 times use = Tk. $\frac{10608{\cdot}50}{25}$ Tk. 424·34

(vii) Labour for fitting, fixing, centering shuttering etc. 60 sft. @ Tk. 1·50 per sft. Tk. 90·00

Tk. 514·34

Contractor's Profit 10% Tk. 51·43

Tk. 565·77

Cost for 100 cft. = Tk. $\frac{565{\cdot}77 \times 100}{30}$ = Tk. 1885·90

contd. item No. 39 (e)

Abstract of cost

A. Cost of concrete	Tk.	5145·30
B. Cost of casting	Tk.	345·58
C. Cost of shuttering	Tk.	1885·90
Rate per cft. = Tk. 73·76	Tk.	7376·78

Say, rate per cubic foot = Tk. 73·75

Add Tk. 1·00 for each additional floor upto 3rd floor

Analysis for item No. 39 (f)

R. C. C. work (3 : 1½" : 1) in roof slab etc. For 100 cft. of work.

A. Same as item No 39 (a) (A)	Tk.	5145·30
B. Same as item No. 30 (B)	Tk.	345·58
C. Cost of shuttering		

Assuming 20'—0" × 16'—0" × 0'—6" = Volume : 160 cft.

Shuttering :—

(i) $\frac{1}{12}$" thick steel plate : 20'—0" × 16'—0" = 320 sft.
@ Tk. 3·40 lbs per sft. 9·71 cwt.
@ Tk. 650·00 per cwt. — Tk. 6311·50

(ii) 2" G. I. pipe for propper 99 × 9'—6" = 940·50 rft.
@ Tk. 39·00 per rft. — Tk. 36679·50

(iii) 1½" dia G. I. pipe for cross bar 10 × 16'—0" = 160 rft.
@ Tk. 29·00 per rft. — Tk. 4640·00

(iv) 1½" × ¼" F. I. bar for clamp of prop and cross bar.
99 × 2 × 0'—6" = 99'—0" rft.
50 × 2 × 0'—6" = 50'—0" rft.
149'—0" rft.
@ 1·28 lbs. per rft. = 1·70 cwt. — Tk. 1105·00
@ Tk. 650·00 per cwt. — Tk. 450·00

(v) Cost of nuts and bolts L. S.

(vi) Cost of manufacturing frame of shuttering by G. I. pipe steel plate and F. I. bar including cutting to required size drilling hole revetting, welding and supply of chemicals etc. L.S. — Tk. 564·00

Tk. 49750·00

Considering 25 times use Tk. $\frac{49750·00}{25}$ — Tk. 1990·00

(vii) 1½" thick garjan wood plank 1'—0" wide under steel plate and over 1½" dia cross bar (alternate plank)
10 × 16' 0"—1'—0" × 1½" = 20 cft.
@ Tk. 170·00 per cft. = Tk. 3400·00
Taking 6 times use = Tk. $\frac{3400·00}{6}$ — Tk. 566·66

(viii) Labour for fitting and fixing frame and shuttering 320 sft.
@ Tk. 1·50 per sft. — Tk. 480·00

Cost for 100 cft. = Tk. $\frac{3036·66 \times 100}{160}$ = Tk. 1897·91 — Tk. 3036·66

contd. item No. 39 (f)

Abstract of cost

A. Cost of concrete	Tk.	5145·30
B. Cost of casting	Tk.	345·58
C. Cost of shuttering	Tk.	1897·91
	Tk.	7388·79

Rate per cft. Tk. 73·88

Say, rate per cubic foot = Tk. 73·90

Add Tk. 1·00 for each additional floor upto 3rd floor.

Analysis for item No. 39 (g)

R. C. C. work (3 : 1½ : 1) excluding reinforcement and its fabrication in av. 3" thick sunshade, cornice, railing, drop walls etc. for all floors upto 3rd floor.

For one sft.

For 100 cft. of work :

A. Same as item No 39 (a) (A)	Tk.	5145·30
B. Same as item No 30	Tk.	345·58

C. Cost of shuttering.

Assume 8'–0" × 3'–0" = 24 sft. of railing

Volume of concrete 8'–0" × 3'–0" × 0'–3" = 6 cft.

Shuttering :—

1. (i) $\frac{1}{12}$" thick steel plate.

Sides 2 × 8'–0" × 3'–0" = 48 sft.

@ 3·40 lbs. per sft. = 163·20 lbs.

(ii) 2" × 2" × ¼" M. S. angle iron :

For Horizontal frame 2 × 3 × 8'–0" = 48 rft.

For Vertical frame 2 × 4 × 8'–0" = 24 rft.

@ 3·19 lbs per rft. = 229·68 lbs.

(iii) 2" × ¼" F. I. bar

For frame vertical 2 × 3 × 3'–0" = 18 rft.

For clamp 2 × 4 × 2 × 0'–6" = 8 rft.

26 rft.

@ 1·70 lbs per rft. = 44·20 lbs / 437·08 lbs. = 3·90 cwt.

@ Tk. 650·00 per cwt. Tk. 2535·00

2. Cost of making centering and shuttering by cutting steel plate M. S. angle F. I. bar etc. to required size including revetting, welding providing props and cost of chemicals etc.

2 × 8'–0" × 3'–0" = 48 sft. @ Tk. 8·00 per sft. Tk. 384·00

Taking 25 times use : = Tk. $\frac{2919·00}{25}$ = Tk. 116·76 Tk. 2919·00

contd. item No. 39 (g) B. F = Tk. 116·76

3. Labour for fitting fixing frame :

$2 \times 8'-0'' \times 3'-0''$ = 48 sft. @ Tk. 1·50 per sft. Tk. 60·00

Tk. 176·76

Contractor's Profit 10 % Tk. 17·67

Tk. 194·43

Cost for 100 cft = Tk. $\frac{194·43 \times 100}{6}$ = Tk. 3240·50

Abstract of cost

A. Cost of concrete	Tk.	5145·30
B. Cost of casting	Tk.	345·58
C. Cost of shuttering	Tk.	3240·50
	Tk.	8731·38

Cost per sft. (3" thick) = Tk. $\frac{8731·38}{100 \times 4}$ = Tk. 21·82

Say, rate per square foot = Tk. 21·80

Analysis for item No. 39 (h)

R. C. C. work : (3 : 1½ : 1) excluding reinforcement and its fabrication in stair case slabs and steps.

A. Same as item No. 39 (a) (A)	Tk.	5145·30
B. Same as item No. 30	Tk.	345·58

C. Cost of shuttering :

Assume 5'—10" long and 4'—0" wide stair volume of concrete

(i) $5·84 \times 6'-6'' \times 4'-0''$ = 11·68 cft.

(ii) $5·84 \times 4'-0'' \times 0'-3''$ = 5·84 " = 17·52 cft.

C. (i) $\frac{1}{2}$" thick steel plate :

For slab $6'-0'' \times 4'-0''$ = 24 sft.

For steps $6 \times 4'-0'' \times 0'-6''$ = 12 sft.

36 sft.

@ 3·40 lbs per sft. = 1·09 cwt. @ Tk.650 per cwt. Tk. 708·50

(ii) 2" dia G. I. pipe for props $12 \times 7'-6''$ = 90 rft.

@ Tk. 39·00 per rft. Tk. 3510·00

(iii) 1½" dia G. I. pipe for cross bar $3 \times 5'-0''$ = 15 rft.

$4 \times 4'-0''$ = 16 rft.

31 rft.

@ Tk. 29·00 per rft. Tk. 899·00

(iv) 2" × ¼" F. I. bag for clamps of props and cross bar.

$2 \times 12 \times 0'-6''$ = 12 rft.

$2 \times 14 \times 0'-6''$ = 14 rft.

26 rft.

@ 1·70 lbs per rft. = 0·39 cwt.

@ Tk. 650·00 per cwt. Tk. 253·50

Tk. 5371·00

contd. item No. 39 (h) B. F = Tk. 5371·00

(v) Cost of bolts and nuts L. S. Tk. 85·00

(vi) Cost of manufacturing of steel plate G. I. pipe and F. I. bar frame including drilling holes, revetting, welding and supplying of chemical etc. L. S. Tk. 260·00

Tk. 5716·00

Considering 25 times use = Tk. $\frac{5716·00}{25}$ = Tk. 228·64 Tk. 228·64

(vii) $1\frac{1}{2}$" thick garjan wood plank under steel plate cross bar.
$5 \times 4'-0'' \times 1'-0'' \times 1\frac{1}{2}'' = 2·50$ cft.

@ Tk. 170·00 per cft. = Tk. 425·00

Taking 6 times use Tk. $\frac{425·00}{6}$ = Tk. 70·83 Tk. 70·83

(viii) Labour for fitting and fixing centering shuttering in position.
$4'-0'' \times 5'-0'' = 20$ sft.
@ Tk. 3·00 per sft. Tk. 60·00

Tk. 359·47

Cost for 100 cft. = Tk. $\frac{359·47 \times 100}{17·52}$ = Tk. 2051·76

Abstract of cost

A.	Cost of concrete	Tk. 5145·30
B.	Cost of casting	Tk. 345·58
C.	Cost of shuttering	Tk. 2051·76
		Tk. 7542·64

Cost per cft. = 75·42

Say, rate per cubic foot = Tk. 75·40

Analysis for item No. 40 (a)

R. C. C. work (4 : 2 : 1) complete excluding the cost of rods and its fabrication in footing of column, raft & floor slab at plinth level.

For 100 cft. of work :—

A. (i)	Brick chips 100 cft. (900 Nos. bricks) @ 1200·00 per % Nos	Tk. 1080·00
(ii)	Breaking cost of chips	Tk. 135·00
(iii)	Coarse sand of equivalent (F. M. 2·00) = 45 cft. @ Tk. 500·00 per % cft.	Tk. 225·00
(iv)	Cement 18 bags @ Tk. 115·00 per bag	Tk. 2070·00
(v)	Local carriage, storage, sundries etc.	Tk. 15·00
(vi)	Curing as original item No. 30	Tk. 43·75
		Tk. 3568·75
	Contractor's Profit 10%	Tk. 356·87
		Tk. 3925·62
B.	Same as item No. 30 (B)	Tk. 345·58
C.	Same as item No. 30 (C)	Tk. 264·77

contd. item No. 40 (a)

Abstract of cost.

A. Cost of concrete	Tk.	3925·62
B. Labour cost for casting	Tk.	345·58
C. Cost of shuttering	Tk.	264·77
	Tk.	4535·97

Rate per cft. = Tk. 45·35

Say, rate per cubic foot = Tk. 45·35

Analysis for item No. 40 (b)

R. C. C. work (4 : 2 : 1) in foundation beam.

A. Same as item No 40 (a) (A)	Tk.	3925·62
B. Same as item No. 30	Tk.	345·58
C. Same as item No. 31	Tk.	763·70
	Tk.	5034·90

Abstract of cost

A. Cost of concrete	Tk.	3925·62
B. Cost of casting	Tk.	345·58
C. Cost of shuttering	Tk.	763·70
	Tk.	5034·90

Rate per cft. = Tk. 50·34

Say, rate per cubic foot = Tk. 50·35

Analysis for item No. 40 (c)

R. C. C. work (4 : 2 : 1) in pedestals, column, lift walls and wall etc.
For 100 cft. of work :

A. Same as item No. 40 (a) (A)	Tk.	3925·62
B. Same as item No. 30	Tk.	345·58
C. Same as item No. 32	Tk.	2426·10
	Tk.	6697·30

Rate per cft. Tk. 66·97

(i) Below plinth level and in Ground floor.

Say, rate per cubic foot = Tk. 67·00

(ii) 1st floor:

Same as ground floor	Tk. 67·00
Add extra for upper floor	Tk. 1·00
	Tk. 68·00

Say, rate per cubic foot = Tk. 68·00

(iii) 2nd floor :

Same as 1st floor	Tk. 68 00
Add extra for upper floor	Tk. 1·00
	Tk. 69·00

Say, rate per cubic foot = Tk. 69·00

(iv) 3rd floor :

Same as 2nd floor	Tk. 69·00
Add extra for upper floor	Tk. 1·00
	Tk. 70·00

Say, rate per cubic foot = Tk. 70·00.

Analysis for item No. 40 (d)

R. C. C. work (4 : 2 : 1) in Tie beam and lintels.
For 100 cft. of work :

A. Same as item No 40 (a)	Tk. 3925·62
B. Same as item No. 30	Tk. 345·58
C. Same as item No. 33	Tk. 1294·67
	Tk. 5565·87

(a) Ground floor. Rate per cft. = Tk. 55·65

Say, rate per cubic foot = Tk. 55·65

(b) Ist floor :

(i) Same as Ground floor	Tk. 55·65
(ii) Add extra for upper floor.	Tk. 1·00
	Tk. 56·65

Say, rate per cubic foot = Tk. 56·65

(c) 2nd floor :

(i) Same as Ist floor	Tk. 56·65
(ii) Add extra for upper floor.	Tk. 1·00
	Tk. 57·65

Say, rate per cubic foot = Tk. 57·65

(d) 3rd floor :

(i) Same as 2nd floor.	Tk. 57·65
(ii) Add extra for upper floor	Tk. 1·00
	Tk. 58·65

Say, rate per cubic foot = Tk. 58·65

Analysis for item No. 40 (e)

R. C. C. work (4 : 2 : 1) excluding the cost of reinforcement in Tee-beams, Ell-beams and Rectangular beams etc.

For 100 cft. of work.

A. Same as item No. 40 (a)	Tk. 3925·62
B. Same as item No. 30	Tk. 345·58
C. Same as item No. 34	Tk. 2371·60
	Tk. 6642·80

(a) Ground floor : Rate per cft. = Tk. 66·42

Say, rate per cubic foot = Tk. 66·40

(b) Ist floor :

(i) Same as Ground floor	Tk 66·40
(ii) Add extra for upper floor	Tk. 1·00
	Tk. 67·40

Say, rate per cubic foot = Tk. 67·40

contd. item No. 40 (e)

(c) 2nd floor :

(i) Same as 1st floor	Tk. 67·40
(ii) Add extra for upper floor	Tk. 1·00
	Tk. 68·40

Say, rate per cubic foot = Tk. 68·40

(d) 3rd floor :

(i) Same as 2nd floor	Tk. 68·40
(ii) Add extra for upper floor	Tk. 1·00
	Tk. 69·40

Say, rate per cubic foot = Tk. 69·40

Analysis for item No. 40 (f)

R. C. C. work (4 : 2 : 1) excluding the cost of reinforcement for roof slab etc.

For 100 cft. of work.

A. Same as item No. 39 (a)	Tk. 3925·62
B. Same as item No. 30	Tk. 345·58
C. Same as item No. 35	Tk. 1625·23
	Tk. 5896·43

(a) Ground floor: Rate per cft. = Tk. 58·96

Say, rate per cubic foot = Tk. 58·95

(b) 1st floor :

(i) Same as Ground floor	Tk. 58·95
(ii) Add extra for upper floor	Tk. 1·00
	Tk. 59·95

Say, rate per cubic foot = Tk. 59·95

(c) 2nd floor :

(i) Same as 1st floor	Tk. 59·95
(ii) Add extra for upper floor.	Tk. 1·00
	Tk. 60·95

Say, rate per cubic foot = Tk. 60·95

(b) 3rd floor :

(i) Same as 2nd floor	Tk. 60·95
(ii) Add extra for upper floor	Tk. 1·00
	Tk. 61·95

Say, rate per cubic foot = Tk. 61·95

Analysis for item No. 40 (g)

R. C. C. work (4 : 2 : 1) excluding reinforcement in av. 3" thick sunshade, cornice, railing, Drop walls etc. for all floors upto the third floor.

contd. item No. 40 (g) (For one sft.)

For 100 cft. of work.

A.	Same as item No. 39 (a)	Tk. 3925·62
B.	Same as item No. 30	Tk. 345·58
C.	Same as item No. 36	Tk. 3236·53
		Tk. 7507·53

(a) Ground floor. So, rate per sft. Tk. $\frac{7507·53}{100 \times 4}$ = Tk. 18·76

Say, rate per square foot Tk. 18·75

Analysis for item No. 40 (h)

R. C. C. work (4 : 2 : 1) excluding reinforcement in stair case slabs and steps.

For 100 cft. of work :

A.	Same as item No. 39 (a)	Tk. 3925·62
B.	Same as item No. 30	Tk. 345·58
C.	Same as item No. 37	Tk. 1974·76
		Tk. 6245·96

Rate per cft. Tk. 62·45

Say, rate per cubic foot Tk. 62·45

Analysis for item No. 40 (i)

$2\frac{1}{2}$" thick R. C. C. jally work (4 : 2 : 1) For 100 sft. considering 4·8 sft. of work.

Total volume of concrete $\frac{4·8 \times 2·5}{12}$ = 1 cft.

Deduct 50% for hollow work actual volume 0·5 cft.

(a) Cost of concrete. Same as item No. 40 (a)

= Tk. $\frac{3925·62 \times 50}{100}$ = Tk. 19·62

(b)	Add sl. (b—d) as per item No. 38	Tk. 81·48
		Tk. 101·10
	Contractor's Profit 10% on (item 38, b–c)	Tk. 6·20
		Tk. 107·30

For 4·8 sft. Rate per sft. = Tk. $\frac{107·30}{4·8}$ = Tk. 22·35

Say, rate per square foot Tk. 22·35

Analysis for item No. 41

Supplying fabrication etc. M. S. rod in B/W & R. C. C. in all floors.

For 1 cwt.

(a)	Cost of M. S. rod 1 cwt. @ Tk. 650·00 per cwt.	Tk. 650·00
(b)	Wire 1 Seer @ 30·00 per seer	Tk. 30·00
(c)	Labour for fabricating including T & P etc.	Tk. 38·00
		Tk. 718·00
	Contractor's Profit 10%	Tk. 71·80
		Tk. 789·80

Say, rate per hundred weight Tk. 790·00

Analysis for item No. 42

Analysis for 216 sft.

Assuming 2 Nos. 9′—0″ × 12′—0″ pieces with 6″ (over lap) To cover 216 sft. Extra lap length required: $2 \times 9 = 18'-0''$

$2 \times 12 = 24'-0''$

$42'-0''$ rft.

(a) Requirement of polythine sheets to cover 216 sft.

Covered Area $= 2 \times 9'-0'' \times 12'-0'' =$ 216 sft.

Lap $42'-0'' \times 0'-6''$ 21 sft.

237 sft.

@ Tk. 37·30 per 30 sft.

For 30 sft. = 37·30

$\therefore$ 237 sft. $= \frac{37{\cdot}30 \times 237}{30} =$ Tk. 294·67

	Tk.	294·67
(b) Labour cost : $\frac{1}{4}$ Nos. @ Tk. 25·00 per labour	Tk.	6·25
(c) Laying cost. L. S.	Tk.	3·00
	Tk.	303·92
Contractor's Profit 10%	Tk.	30·39
	Tk.	334·31

$\therefore$ Cost per 100 sft. $= \frac{334{\cdot}31 \times 100}{216} =$ Tk. 154·77

Say, rate per hundred square foot = Tk. 155·00

Analysis for item No. 43

Constructing expension joints.

Assume 10′—0″ rft. of joints.

(a) Shoulder concrete $2 \times 10'-0'' \times 0'-10'' \times 0'-10'' = 14$ cft. @ Tk. 59·30 per cft. (as per slab concrete)	Tk.	830·20
(b) Cost of copper sheet and Labour (0′—10″ + 0′ 10″ + 0′—4″) × 10′—0″ = 20 sft. @ 25·00 per sft.	Tk.	500·00
(c) Plastering, hot sand and bitumen fill = 10′—0″ rft. @ Tk. 10·00 per rft.	Tk.	100·00
	Tk.	1430·20
Contractor's Profit 10% on (a)	Tk.	60·00
	Tk.	1490·20

Rate per rft. $= \frac{1490{\cdot}20}{10} =$ Tk. 149·00

Say, rate per running foot = Tk. 149·00

Analysis for item No. 44

Precast 1″ thick cement concrete ventilator (2 : 1) including fitting fixing in position. For 6 sft.

(a) Cement $\frac{1}{4}$ bag @ Tk. 115·00 per bag.	Tk.	28·75
(b) Sand $1\frac{1}{2}$ cft. @ Tk. 400·00 per % cft.	Tk.	6·00
(c) Plaster $6 \times 3 = 18$ sft. @ Tk. 238·00 per % sft.	Tk.	42·84
(d) Mason $\frac{3}{4}$ No. @ Tk. 50·00 each.	Tk.	37·50
(e) Labour $\frac{1}{2}$ No. @ Tk. 25·00 each.	Tk.	12·50
	Tk.	127·59
Contractor's Profit 10%	Tk.	12·75
	Tk.	140·34

contd. item No. 44

Rate per sft. = Tk. $\frac{140{\cdot}34}{6}$ = Tk. 23·39

Say, rate per square foot = Tk. 23·00

Analysis for item No. 45

Construction of 1'—0" clear width and depth upto 1'—0" masonary surface drain.
For 10 rft.

(a) Earth work 10'—0" × 1'—10" × 1' 3" (av) = 23 cft. @ Tk. 371·00 per % cft.	Tk.	8·53
(b) Brick soling 10'—0" × 1'—0" = 18·33 sft. @ Tk. 457·00 per % sft.	Tk.	83·76
	Tk.	92·29
(c) Cement concrete (6 : 3 : 1) 10'—0" × 1' 10" × 0' - 3" = 4·58 cft. @ Tk. 34·00 per cft.	Tk.	155·72
(d) 5" Brick work 2 × 10'—0" × 0'—9" (av) = 15 sft. @ Tk. 1105·00 per % sft.	Tk.	165·75
(e) $\frac{1}{2}$" cement plaster (3 : 1) 10'—0" × 4'—0" = 40 sft. @ Tk. 370·00 per % sft.	Tk.	148·00
	Tk.	561·76

Rate per rft. Tk. $\frac{561{\cdot}76}{10}$ = Tk. 56·17

Say, rate per running foot = Tk. 56·00

Analysis for item No. 46

Constructing surface drain of 2' 0" (av) depth and 0'—9" clear width at the bottom and 1'—0" at the top having 5" thick cement concrete. For 10 rft.

(a) Earth work :— $10'—0" \times \frac{2'—7" + 1'—7" \times 2'—5"}{2}$ = 50·34 cft. @ Tk. 371·00 per % cft.	Tk.	18·67
(b) 5" Brick work :— 2 × 10'- 0" × 1'— 0" = 20 sft. @ Tk. 1105·00 per % sft.	Tk.	221·00
(c) Cement concrete (4 : 2 : 1) 10'—0" × 3' -7" × 0'—5" = 15·04 cft. @ Tk. 38·75 per cft. (rate as per item No. 80)	Tk.	582·80
(d) $\frac{1}{2}$" thick cement plaster (3 : 1) 10'—0" × 6'—7" = 65·80 sft. @ Tk. 370·00 per % sft.	Tk.	243·46
	Tk.	1065·93

Rate per rft. = Tk. $\frac{1065{\cdot}93}{10}$ = Tk. 106·59

Say, rate per running foot = Tk. 106·60

Analysis for Item No. 47 (a)

Av. 4" thick (Beaten) lime terracing (7 : 2 : 2) in roof slabe :—
For 100 cft. of work.

(a)	Chips 100 cft. (900) Nos. bricks @ Tk. 1200·00 per %o Nos.	Tk.	1080·00
(b)	Lime 29·25 cft. = 13 maunds @ Tk. 85·00 per maund.	Tk.	1105·00
(c)	Breaking cost of chips	Tk.	135·00
(d)	Súrki 34 cft. @ Tk. 11·32 per cft.	Tk.	384·88
(e)	Molasses, T & P, sundries L. S.	Tk.	60·00
(f)	Labour for 100 sft. 4" thick Mason 1 No. @ Tk. 50·00 each. Tk. 50·00		
	Skilled labour 3 Nos. @ Tk. 30·00 each. Tk. 90·00		
	Ordinary labour 4 Nos. @ Tk. 25·00 Tk. 100·00		
	Tk. 240·00		
	So. for 100 cft. (3 × 240·00)	Tk.	720·00
		Tk.	3484·88
	Contractor's Profit 10%	Tk.	348·48
		Tk.	3833·36

Say. rate per hundred cubic feet = Tk. 3833·00

Analysis for item No. 47 (b)

Av. 2½" thick (half beaten) lime terracing (7 : 2 : 2) in roof slab :—
For 100 cft. of work.

(a)	Chips 100 cft. (900) Nos. bricks @ Tk. 1200·00 per %o Nos.	Tk.	1080·00
(b)	Lime 35·75 cft. = 15 maunds @ Tk. 85·00 per maund	Tk.	1275·00
(c)	Breaking cost of chips.	Tk.	135·00
(d)	Surki 40 cft. @ Tk. 11·32 per cft.	Tk.	452·80
(e)	Molesses, T & P. sundries	Tk.	96·00
(f)	Labour for 100 sft. 2½" thick		
	(i) Mason ⅜ Nos. @ Tk. 50·00 each = 37·50		
	(ii) Skilled labour 2 Nos. @ Tk. 30·00 = 60·00		
	(iii) Ordinary labour 2½ Nos. @ Tk. 25·00 each. = 62·50		
	Tk. 160·00		
	So, For 100 cft. (4·8 × 160)	Tk.	768·00
		Tk.	3806.80
	Contractor's profit 10%	Tk.	380·68
		Tk.	4187·48

Say, Rate per hundred cubic foot = Tk. 4188·00

Analysis for item No. 47 (c)

Analysis for 100·00 sft.

1.	Cost of Hessian cloth 12/Oz—Yds size (3'—4" × 3'—0")		
	Cost of 1 yd. @ Tk. 10·00 i. e. per sft. Tk. 1·00		
	Cost of Hessian cloth per 100 sft.	Tk.	100·00

contd. item No. 47 (c) B. F. =	Tk.	100·00
2. Cost of bitumen emulsion for tack coat required 15·00 lbs. % sft. $4\frac{1}{8}$ drum = 1 ton Cost of 1 ton = Tk. 8500·00 ∴ cost per lbs. $= \frac{8500·00}{2240}$ = Tk. 3·79 So cost for 15 lbs. = 15 × 3·79	Tk.	56·85
3. Cost of bitumen emulsion over Hessian cloth @ 25 lbs/sft. 25 × 3·79	Tk.	94·75
4. 5 cft. of sunamganj sand required @ Tk. 750·00 per % cft.	Tk.	37·50
5. Cost of bitumen required 20 lbs. @ Tk. 9000·00 per ton ∴ cost per lbs. $= \frac{9000·00}{2240}$ = Tk. 4·01 ∴ cost for 20 lbs. = 20 × 4·01	Tk.	80·20
6. Cost of bitumen for seal coat required 10 lbs. @ Tk. 4·01 per lbs. ∴ cost for 10 lbs. = 10 × 4·01	Tk.	40·10
7. Labour charge for % sft. L. S.	Tk.	140·00
	Tk.	549·40
Contractor's profit 10%	Tk.	54·94
	Tk.	504·34

Say, rate per hundred squre foot. = Tk. 600·00

Analysis for item No. 48

3" thick cornice of brick masonary. For 100 rft.

(a) Brick work (6 : 1) 0'—3" × 0'—3" × 100'—0" = 6·25 cft. @ Tk. 2407·00% cft.	Tk.	150·43
(b) Extra labour for brick work moulding & plastering @ Tk. 2·62 per rft.	Tk.	262·00
(c) $\frac{1}{2}$" thick cement plaster (6 : 1) (0'—3" + 0'—3" + 0'—3") × 100'—0" = 75 sft. @ Tk. 248·00 per % sft.	Tk.	186·00
	Tk.	598·43
Contractor's Profit 10% on (b)	Tk.	26·20
	Tk.	624·63.

Rate per rft. = Tk. $\frac{624·63}{100}$ = Tk. 6·24

Say, rate per running foot = Tk. 6·25

Analysis for item No. 49

Supplying fan hook of $\frac{5}{8}$" dia M. S. Rod fabricating and fixing in position in all floors :—

(a) $\frac{5}{8}$" dia 3'—0" long rod 3'—0" × 1·043 lbs = 3·13 lbs. @ Tk. 5·80 per lbs.	Tk.	18·15
(b) Fabrication, fitting and fixing L.S.	Tk.	3·50
	Tk.	21·65
Contractor's Profit 10%	Tk.	2·16
	Tk.	23·81

Say, rate = Tk. 24·00 each

Analysis for item No 50

Supplying, fitting and fixing 4"dia iron rain water down pipes.
For 12 rft.

(a) Cost of pipe with socket @ Tk. 270·00 per piece of 6 rft.	Tk.	540·00
(b) Cost of head, shoe and bend etc.	Tk.	125·00
(c) Clamps and Nails	Tk.	15·00
(d) Labour cost @ Tk. 2·75 per rft.	Tk.	33·00
	Tk.	713·00
Contractor's Profit 10%	Tk.	71·30
	Tk.	784·30

∴ Rate per rft. Tk. $\frac{784·30}{12}$ = Tk. 65·35

Say, rate per running foot = Tk. 65·35

Analysis for item No. 51

Supplying 4" dia R. C. rain water down pipe fitted and fixed in position. For 12 rft.

(a) Cost of pipe 12'—0" @ Tk. 6·67 per rft.	Tk.	80·00
(b) Bends 2 Nos. @ Tk. 45·00 each.	Tk.	90·00
(c) Clamps and Nails.	Tk.	15·00
(d) Labour cost @ Tk. 2·75 per rft.	Tk.	33·00
	Tk.	218·00
Contractor's Profit 10%	Tk.	21·80
	Tk.	239·80

∴ Rate per rft. = Tk. $\frac{239·80}{12}$ = Tk. 19·99

Say, rate per running foot = Tk. 20·00

Analysis for item No. 52

Supplying 4" dia asbestos rain water down pipe fitted and fixed in position. Cost of pipe 12 rft.

(a) Cost of pipe 12'—0" @ Tk. 25·83 per rft.	Tk.	309·96
(b) Bends (Shoe and head)	Tk.	125·00
(c) Clamps and Nails	Tk.	15·00
(d) Labour cost @ Tk. 2·75 per rft.	Tk.	33·00
	Tk.	482 96
Contractor's Profit 10%	Tk.	48·29
	Tk.	531·25

∴ Rate per rft. = Tk. $\frac{531·25}{12}$ = Tk. 44·27

Say, rate per running foot = Tk. 44·25

Analysis for item No. 53

Providing bearing joint fixed, or free with 10" × 15" × $\frac{3}{8}$" M. S. shoe plate fitted in the truss angle with $\frac{3}{8}$" dia M. S. rod.

Contd. item No. 53

(a)	Cost of shoe plate $2 \times 10'' \times 1'—3'' \times \frac{3}{8}''$ = 32 lbs. @ Tk. 5·80 per lbs.	Tk.	185·60
(b)	Cost of 2 Nos. $\frac{3}{4}''$ anchor rods $2 \times 4'—0'' = 8'—0''$ @ Tk. 1·50 lbs per rft. = 12 lbs. @ Tk. 5·80 per lbs.	Tk.	69·60
(c)	Cost of counter sunk revets 10 Nos. @ Tk. 10·00 each	Tk.	100·00
(d)	Fabrication and fixing in position	Tk.	100·00
		Tk.	455·20
	Contractor's Profit 10%	Tk.	45·52
		Tk.	500·72

Say, rate = Tk. 500·00 each.

Analysis for item No. 54 (a)

24 B. W. G. Galvanized iron corrugated sheet roofing fitted and fixed on M. S. section or wooden purline etc. complete. For 100 sft. of work:

(a)	Cost for 100 sft. @ Tk. 2500·00 per bundle covering 150 sft.	Tk.	1666·66
(b)	Cost of scaffolding etc.	Tk.	25·00
(c)	Labour for fitting including supply of screws limpet, washer	Tk.	112·50
		Tk.	1804·16
	Contractor's Profit 10%	Tk.	180·41
		Tk.	1984·57

Say, rate per hundred square foot = Tk. 1985·00

Analysis for item No. 54 (b)

Analysis: Taking 8'—0" × 6'—6" (with 6" laping) = 52·00 sft.

(1)	Cost of sheet @ Tk. 28·50 per sft.	Tk.	1482·00
(2)	Cost of wood for purlin (garjan) $3 \times 6'—6'' \times 3'' \times 3''$ = 1·21 cft. @ Tk. 170·00 per cft.	Tk.	205·70
(3)	Cost of $\frac{1}{4}''$ dia Anchor hook. = 9 Nos. @ Tk. 2·00 each.	Tk.	18·00
(4)	Cost of washer = 9 Nos. @ Tk. 0·30 each.	Tk.	2·70
(5)	Cost of wooden block = 9 Nos. @ Tk. 1·00 each.	Tk.	9·00
(6)	Cost of Nails, nut and bolts etc. L. S.	Tk.	10·00
(7)	Carriage ... ... L. S.	Tk.	5·00
		Tk.	1732·40
(8)	Labour charge:—		
	(i) Carpenter = $\frac{1}{2}$ Nos. @ Tk. 55·00 each.	Tk.	13·75
	(ii) Helper = $\frac{1}{2}$ No. @ Tk. 25·00 each.	Tk.	12·50
		Tk.	1758·65
	Contractor's Profit 10%	Tk.	175·86
		Tk.	1934·51

∴ Rate per sft. $\frac{1934·51}{52}$ = Tk. 37·19

Say, rate per square foot = Tk. 37·00

Analysis for item No. 55

Galvanized iron plain sheet ridging with 12" lap one ither side fitted and fixed with galvanized bolts and nuts etc. complete.
For 1 rft. of work :—

(a) Cost of 1 rft. galvanized ridge @ Tk. 18·00	Tk.	18·00
(b) Labour for making, fitting including screws	Tk.	6·50
	Tk.	24·50
Contractor's Profit 10%	Tk.	2·45
	Tk.	26·95

Say, rate per running foot = Tk. 27·00

Analysis for item No. 56

M. S. work in roof truss for 1 cwt.

(a) Cost of M. S. sections 1 cwt. @ Tk. 650·00	Tk.	650·00
(b) Fabrication, fitting, fixing, revetting, welding and hoisting including cost of revets, bolts etc. and painting complete.	Tk.	300·00
	Tk.	950·00
Contractor's Profit 10%	Tk.	95·00
	Tk.	1045·00

Say, rate per hundred weight = Tk. 1045·00

Analysis for item No. 57

Wood work in door and window frame.
For door of 4'—0" × 7'—0" size
Wood requried (2×7'—0" + 4'—0") × 0'—3" × 0'—4" = 1·50 cft.

(a) For Jam. Garjan Sundari :—

(i) Labour charge @ Tk. 40·00	Tk.	60·00
(ii) Coaltaring 2 coats ...L. S.	Tk.	4·75
(iii) Fitting and fixing in position	Tk.	18·75
(iv) Cost of 1·5 cft. wood @ Tk. 170·00 per cft.	Tk.	255·00
	Tk.	338·50
Contractor's Profit 10%	Tk.	33·85
	Tk.	372·35

$\therefore$ Rate per cft. = Tk. $\frac{372·35}{1·5}$ = Tk. 248·23

Say, rate per cubic foot = Tk. 248.00

(b) For Kathal wood :—

(i) to (iii) same as (a)	Tk.	83·50
(iv) cost of 1·5 cft. wood @ Tk. 200·00 per cft.	Tk.	300·00
	Tk.	383·50
Contractor's Profit 10%	Tk.	38·35
	Tk.	421·85

$\therefore$ Rate per cft. = Tk. $\frac{421·85}{1·5}$ = Tk. 281·23

Say, rate per cubic foot = Tk. 281·00

contd. item No. 57

(c) For Jarul :—

(i) to (iii) same as (a)	Tk.	83·50
(iv) Cost of 1·50 cft. wood Tk. 250·00 per cft.	Tk.	375·00
	Tk.	458·50
Contractor's Profit 10%	Tk.	45·85
	Tk.	504·35

$\therefore$ Rate per cft. = Tk. $\frac{504·35}{1·50}$ = Tk. 336·23

Say, rate per cubic foot = Tk. 336·00

(d) For Local Sal wood (Modhupur) :—

(i) to (iii) same as (a)	Tk.	83·50
(iv) Cost of 1·5 cft. wood @ Tk. 250·00 per cft.	Tk.	375·00
	Tk.	458·50
Contractor's Profit 10%	Tk.	45·85
	Tk.	504·35

$\therefore$ Rate per cft. = Tk. $\frac{504·35}{1·50}$ = Tk. 336·23

Say, rate per cubic foot = Tk. 336·00

(e) For Telsu wood :—

(i) to (iii) same as (a)	Tk.	83·50
(iv) Cost of 1·50 cft. wood @ Tk. 300·00 per cft.	Tk.	450·00
	Tk.	533·50
Contractor's Profit 10%	Tk.	53·35
	Tk.	586·85

$\therefore$ Rate per cft. = Tk. $\frac{586·85}{1·50}$ = Tk. 391·23

Say, rate per cubic foot = Tk. 391·00

(f) For Silkarai wood :—

(i) to (iii) same as (a)	Tk.	83·50
(iv) cost of 1·50 cft. wood @ Tk. 230·00	Tk.	345·00
	Tk.	428·50
Contractor's Profit 10%	Tk.	42·85
	Tk.	471·35

$\therefore$ Rate per cft. = Tk. $\frac{471·35}{1·50}$ = Tk. 314·23

Say, rate per cubic foot = Tk. 314·00

Analysis for item No. 58

Supplying fitting and fixing M. S. flat bar clamps of size 1'—3" × 1½" × ¼" for door and window frames :—

(a) Cost of clamps : 1·25 rft @ 1·28 lbs. per rft. = 1·6 lbs. @ Tk. 650·00 per cwt.	Tk.	9·28
(b) Cost of concrete (4 : 2 : 1) (10" × 10" × 3") = 0·2 cft. @ Tk. 35·98 per ⅘ cft.	Tk.	7·19
(c) Labour L. S.	Tk.	3·00
	Tk.	19·47
Contractor's Profit 10%	Tk.	1·94
Say, rate = Tk. 21·00 each.	Tk.	21·41

Analysis for item No 59

Labour for driving wooden bullah piles for 1 rft.

(a) Labour for driving	Tk.	7·00
(b) Sundries	Tk.	1·00
	Tk.	8·00
Contractor's Profit 10%	Tk.	0·80
	Tk.	8·80

Say, rate per running foot = Tk. 9·00

Analysis for item No. 60

Labour for wood work in door and window frames.
For 1 cft. of work :

(a) Labour for 1 cft. @ Tk. 40·00 per cft.	Tk.	40·00
(b) Coaltering 2 coats L. S.	Tk.	4·00
(c) Fitting, fixing in position	Tk.	12·50
	Tk.	56·50
Contractor's Profit 10%	Tk.	5·65
	Tk.	62·15

Say, rate per cubic foot = Tk. 62·00

Analysis for item No. 61

Supplying, fitting and fixing 1½" thick wood door shutter for 6'—9" × 3'—7" single leaf door area = 24·18 sft.

(a) For Kathal wood :—

(A) Fittings :		
(i) Iron tower bolt, 1'—0" long 1 No. @ Tk. 18·50	Tk.	18·50
(ii) Socket bolt, 9" long 1 No. @ Tk. 16·50 each	Tk.	16·50
(iii) Hinges 4" long 3 Nos. @ Tk. 6·00 each	Tk.	18·00
(iv) Brass handle 2 Nos. @ Tk. 5·50 each	Tk.	11·00
(v) ½" iron screws 6 dozen @ Tk. 3·50 per dozen	Tk.	21·00
(vi) Hinged cleats and buffer block	Tk.	20·00
	Tk.	105·00
(B) Labour for 24·18 sft. @ Tk. 14·00 per sft.	Tk.	338·52
	Tk.	443·52
(C) Cost of wood 6'—9" × 3'—7" × 1½" = 3·02 cft.		
Add 5% wastage = 0·151 cft.		
3·171 cft.		
@ Tk. 200·00 per cft.	Tk.	634·20
	Tk.	1077·72
Contractor's Profit 10%	Tk.	107·77
	Tk.	1185·49

∴ Rate per sft. = Tk. $\frac{1185·49}{24·18}$ = Tk. 49·02

Say, rate per square foot = Tk. 49·00

Contd. item No. 61

(b) For Silkarai wood :—

(A) Same as above	Tk.	105·00
(B) Same as above	Tk.	338·52
	Tk.	443·52
(C) Cost of 3·171 cft wood @ Tk. 230·00 per cft.	Tk.	729·33
	Tk.	1172·85
Contractor's Profit 10%	Tk.	117·28
	Tk.	1290·13

∴ Rate per sft. = Tk. $\frac{1290·13}{24·18}$ = Tk. 53·35

Say, rate per square foot = Tk. 53·35

(C) For Gammar wood :—

(A) & (B) same as item No. 61 (a)	Tk.	443·52
(C) Cost of 3·171 cft. of wood @ Tk. 230·00 per cft.	Tk.	729·33
	Tk.	1172·85
Contractor's Profit 10%	Tk.	117·28
	Tk.	1290·13

∴ Rate per sft. = Tk. $\frac{1290·13}{24·18}$ = Tk. 53·35~

Say, rate per square foot = Tk. 53·35

(D) For C. T. wood :—

(A) & (B) Same as 61 (a)	Tk.	443·52
(C) Cost of wood 3·171 @ Tk. 500·00 per cft.	Tk.	1585·50
	Tk.	2029·02
Contractor's Profit 10%	Tk.	202·90
	Tk.	2231·92

∴ Rate per sft. = Tk. $\frac{2231·92}{24·18}$ = Tk. 92·30

Say, rate per square foot = Tk. 92·30

(E) For B. T. wood :—

(A) & (B) Same as item 61 (a)	Tk.	443·52
(C) Cost of 3·171 cft. wood @ Tk. 1000·00 per cft.	Tk.	3171·00
	Tk.	3614·52
Contractor's Profit 10%	Tk.	361·45
	Tk.	3975·97

∴ Rate per sft. = Tk. $\frac{3975·97}{24·18}$ = Tk. 164·43

Say, rate per square foot = Tk. 164·45

(F) For Chapalish wood :—

(A) & (B) same as item 61. (a)	Tk.	443·52
(C) Cost of wood 3·171 cft. @ Tk. 240·00 per cft.	Tk.	761·04
	Tk.	1204·56
Contractor's Profit 10%	Tk.	120·45
	Tk.	1325·01

∴ Rate per sft. = Tk. $\frac{1325·01}{24·18}$ = Tk. 54·79

Say, rate per square foot = Tk. 54·80

Contd. item No. 61

(G) For Teak Chambal wood :—

(A) & (B) same as item 61 (a)	Tk.	443·52
(C) Cost of wood 3·171 cft. @ Tk. 280·00 per cft.	Tk.	887·88
	Tk.	1331·40
Contractor's Profit 10%	Tk.	133·14
	Tk.	1464·54

$\therefore$ Rate per sft. = Tk. $\frac{1464·54}{24·18}$ = Tk. 60·56

Say, rate per square foot = Tk. 60·55

Analysis for item No. 62

Supplying, fitting and fixing $1\frac{1}{2}$" thick wood flush door shutter for 6'–9" × 3'—7" = 24·18 sft. (single leaf)

(a) For Kathal wood :—

(i) Fittings same as item No. 61 (A·		Tk.	105·00
(ii) Labour for 24·18 sft. @ Tk. 15·00 per sft.		Tk.	362·70
		Tk.	467·70
(iii) Cost of wood :			
Style 2 × 6'—9" × 4" × $1\frac{1}{2}$"	= 0·560		
Rail 4 × 3'–7" × 4" × $\frac{1}{2}$"	= 0·198		
Faces 2 × 6'–9" × 3'–1" × $\frac{1}{2}$"	= 1·729		
	2·487		
Add 5% wastage	0·124		
	2·611		
@ Tk. 200·00 per cft.		Tk.	522·20
		Tk.	989·90
Contractor's Profit 10%		Tk.	98·99
		Tk.	1088·89

$\therefore$ Rate per sft. = Tk. $\frac{1088·89}{24·18}$ = Tk. 45·03

Say, rate per square foot = Tk. 45·00

(b) For Silkarai wood :—

(i) & (ii) Same as 62 (a)	Tk.	467·70
(iii) Cost of wood @ Tk. 230·00 per cft.	Tk.	600.53
	Tk.	1068·23
Contractor's Profit 10%	Tk.	106·82
	Tk.	1175·05

$\therefore$ Rate per cft. = Tk. $\frac{1175·05}{24·18}$ = Tk. 48·59

say, rate per square foot = Tk. 48·60

(c) For Gammar wood :—

(i) and (ii) Same as 62 (a)	Tk.	467·70
(iii) Cost of wood @ Tk. 230·00 per cft.	Tk.	600·53
	Tk.	1068·23
Contractor's Profit 10%	Tk.	106·82
	Tk.	1175·05

$\therefore$ Rate per sft. = Tk. $\frac{1175·05}{24.18}$ = Tk. 48·59

Say, rate per square foot = Tk. 48·60

Contd. item No. 62

(d) For C. T. wood :—

(i) and (ii) same as 62 (a)	Tk.	467·70
(iii) Cost of wood @ Tk. 500·00 per cft.	Tk.	1305·50
	Tk.	1773·20
Contractor's Profit 10%	Tk.	177·32
	Tk.	1950·52

$\therefore$ Rate per sft. = Tk. $\frac{1950·52}{24·18}$ = Tk. 80·66

Say, rate per square foot = Tk. 80·66

(e) For B. T. wood :—

(i) and (ii) same as 62 (a)	Tk.	467·70
(iii) Cost of wood @ Tk. 1000·00 per cft.	Tk.	2611·00
	Tk.	3078·70
Contractor's Profit 10%	Tk.	307·87
	Tk.	3386·57

$\therefore$ Rate per sft. = Tk. $\frac{3386·57}{24·18}$ = Tk. 140·05

Say, rate per sft. = Tk. 140·00

(f) For Chapalish wood :—

(A) & (B) same as item No. 62 (a)	Tk.	467·70
(C) Cost of wood 2·611 cft. @ Tk. 240·00 per cft.	Tk.	626·64
	Tk.	1094·34
Contractor's Profit 10%	Tk.	109·43
	Tk.	1203·77

$\therefore$ Rate per sft. = Tk. $\frac{1203·77}{24·18}$ = Tk. 49·78

Say, rate per square foot = Tk. 50·00

(g) For Teak chambal wood :—

(A) & (B) same as item No. 62 (a)	Tk.	467·70
(C) Cost of wood 2·611 cft. @ 280·00 per cft.	Tk.	731·08
	Tk.	1198·78
Contractor's profit 10%	Tk.	119·87
	Tk.	1318·65

$\therefore$ Rate per sft. = Tk. $\frac{1318·65}{24·18}$ = Tk. 54·53

Say, rate per square foot = Tk. 54·50

Analysis for item No. 63

Supplying, fitting, fixing 1½" thick wood panel door shutter with top rail & styles of section 4" × 1½" lock rail of section 5" × 1½" and bottom rail 9" × 1½" with 1½" thick panelling etc. both side raised. For 24·18 sft. (double leaf)

(a) For Kathal wood :—

(i) Same as item No. 61 with six hinges with double Nos. of screws for double leaf	Tk.	144·00
(ii) Labour for 24·18 sft. @ Tk. 15·00 per sft.	Tk.	362·70
	Tk.	506·70

Contd. item No. 63 B. F. = Tk. 506·70

(iii) Cost of wood (double leaf)

	4×6′—9″×0′×4″	= 9 sft.
	1×3′—8″×0′—9″	= 2′—9″ sft.
	1×3′—8″×0′—5″	= 1′—6″ sft.
	1×3′—8″×0′—4″	= 1′—2½″ sft.
		14′—6″ sft.
	Volume 14′—6″×0′—1½″	= 1·81
Panel :	1×5′—5″×2′—6″×0′—1½″	= 1·70 cft.
		3·51 cft.
	Add 5% wastage	= 0·175 cft.
		3·685 cft. @ Tk. 200·00 Tk. 737·00
		Tk. 1243·70
	Contractor's Profit 10%	Tk. 124·37
		Tk. 1368·07

∴ Rate per sft. = Tk. $\frac{1368·07}{24·18}$ = Tk. 56·57

Say, rate per square foot = Tk. 56·60

(b) For Silkarai wood :—

(i) and (ii) same as 63 (a)		Tk. 506·70
(iii) Cost of wood 3·685 cft. @ Tk. 230·00 per cft.		Tk. 847·55
		Tk. 1354·25
	Contractor's Profit 10%	Tk. 135·42
		Tk. 1489·67

∴ Rate per sft. = Tk. $\frac{1489·67}{24·18}$ = Tk. 61·60

Say, rate per square foot = Tk. 61·60

(c) For Gammar wood :—

(i) and (ii) same as 63 (a)		Tk. 506·70
(iii) cost of 3·685 cft. of wood @ Tk. 230·00 per cft.		Tk. 847·55
		Tk. 1354·25
	Contractor's Profit 10%	Tk. 134·42
		Tk. 1489·67

∴ Rate per sft. = Tk. $\frac{1489·67}{24·18}$ = Tk. 61·60

Say, rate per square foot = Tk. 61·60

(d) For C. T. wood :—

(i) and (ii) same as item No. 63 (a)		Tk. 506·70
(iii) Cost of 3·685 cft. of wood @ Tk. 500·00 per cft.		Tk. 1842·50
		Tk. 2347·20
	Contractor's Profit 10%	Tk. 234·72
		Tk. 2581·92

∴ Rate per sft. = Tk. $\frac{2581·92}{24·18}$ = Tk. 106·77

Say, rate per square foot = Tk. 106·80

Contd. item No. 63

(e) For B. T. wood :—

(i) & (ii) same as item No. 63 (a)	Tk.	506·70
(iii) Cost of 3·685 cft. of wood @ Tk. 1000·00 per cft.	Tk.	3685·00
	Tk.	4191·70
Contractor's Profit 10%	Tk.	419·17
	Tk.	4610·87

$\therefore$ Rate per sft. = Tk. $\frac{4610·87}{24·18}$ = Tk. 190·68

Say, rate per square foot = Tk. 190·70

(f) For Chapalish wood :—

(A) & (B) Same as item No. 62 (a)	Tk.	506·70
(C) Cost of wood 3·685 cft. @ Tk. 240·00 per cft.	Tk.	884·50
	Tk.	1391·20
Contractor's Profit 10%	Tk.	139·11
	Tk.	1530·21

$\therefore$ Rate per sft. = Tk. $\frac{1530·21}{24·18}$ = Tk. 63·28

Say, rate per square foot = Tk. 63·30

(g) For Teak Chamhal wood :—

(A) & (B) same as item No. 62 (a)	Tk.	506·70
(C) Cost of wood 3·685 cft. @ Tk. 280·00 per cft.	Tk.	1031·80
	Tk.	1538·50
Contractor's Profit 10%	Tk.	153·85
	Tk.	1692·35

$\therefore$ Rate per sft. = Tk. $\frac{1692·35}{24·18}$ = Tk. 69·98

Say, rate per square foot = Tk. 70·00

Analysis for item No. 64

Supplying, fitting, and fixing $1\frac{1}{2}$" thick wood panel door shutter with top rail and styles of section 4" × $1\frac{1}{2}$" lock rail 5" × $1\frac{1}{2}$" and bottom rail 9" × $1\frac{1}{2}$" with 1" thick paneling one side raised.

For 24·18 sft. (double leaf).

(a) For Kathal wood :—

(i) Cost of fittings same as item No. 63	Tk.	144·00
(ii) Cost of labour for 24·18 sft. @ Tk. 13·00 per sft.	Tk.	314·34

(iii) Cost of wood :—

4 × 6′—9" × 4"	= 9′—0" sft.	
1 × 3′—8" × 9"	= 2′—9" sft.	
1 × 3′—8" × 5"	= 1′—6½ sft.	
1 × 3′—8" × 4"	= 1′—2½ sft.	
14′—5" × $1\frac{1}{2}$"		= 1·18 cft.
Panels 5′—5" × 2′- 6" × 1"		= 1·13 cft.
		2·94 cft.
Add 5% wastage		0·147 cft.
		3·087 cft.
@ Tk. 200·00 per cft.	Tk.	617·40
	Tk.	1075·74

Contd. item No. 64

B. F. =	Tk.	1075·74
Contractor's Profit 10%	Tk.	107·57
	Tk.	1183·31

∴ Rate per sft. = Tk. $\frac{1183·31}{24·18}$ = Tk. 48·93

Say, rate per square foot = Tk. 48·95

(b) For Silkarai wood :—

(i) & (ii) Same as item No. 64 (a)	Tk.	458·34
(iii) Cost of wood 2·94 cft.		
Add. 5% wastage 0·147 cft.		
3·087 cft. @ Tk. 230·00 per cft.	Tk.	710·01
	Tk.	1168·35
Contractor's Profit 10%	Tk.	116·83
	Tk.	1285·18

∴ Rate per sft. = Tk. $\frac{1285·18}{24·18}$ = Tk. 53·15

Say, rate per square foot = Tk. 53·15

(c) For Gammar wood :—

(i) & (ii) Same as item No. 64 (a)	Tk.	458·34
(iii) Cost of 3·087 cft. of wood @ Tk. 230·00 per cft.	Tk.	710·01
	Tk.	1168·35
Contractor's Profit 10%	Tk.	116·83
	Tk.	1285·18

∴ Rate per sft. = Tk. $\frac{1285·18}{24·18}$ = Tk. 53·15

Say, rate per square foot = Tk. 53·15

(d) For B. T. wood :—

(i) & (ii) Same as item No. 64 (a)	Tk.	458·34
(iii) Cost of 3·087 cft. of wood @ Tk. 1000·00 per cft.	Tk.	3087·00
	Tk.	3545·34
Contractor's Profit 10%	Tk.	354·53
	Tk.	3399·87

∴ Rate per sft. = Tk. $\frac{3899·87}{24·18}$ = Tk. 161·28

Say, rate per square foot = Tk. 161·30

(e) For C. T. wood :—

(i) & (ii) Same as item No. 64 (a)	Tk.	458·34
(iii) Cost of 3·087 cft. of wood @ Tk. 500·00 per cft.	Tk.	1543·50
	Tk.	2001·84
Contractor's Profit 10%	Tk.	200·18
	Tk.	2202·02

∴ Rate per sft. = Tk. $\frac{2202·02}{24·18}$ = Tk. 91·06

Say, rate per square foot = Tk. 91·00

(f) For Chapalish wood :—

(A) & (B) Same as item No. 64 (a)	Tk.	458·34
(C) Cost of wood 3·087 cft. @ Tk. 240·00 per cft.	Tk.	740·88
	Tk.	1199·22
Contractor's Profit 10%	Tk.	119·92
	Tk.	1319·14

∴ Cost per sft. = Tk. $\frac{1319·14}{24·18}$ = Tk. 54·55

Say, rate per square foot = Tk. 54·55

contd. item No. 64

(g) For Teak/ Chambal wood :—

(A) & (B) Same as item No. 64 (a)	Tk.	458·34
(C) Cost of wood 3·087 cft. @ Tk. 280·00 per cft.	Tk.	864·36
	Tk.	1322·70
Contractor's Profit 10%	Tk.	132·27
	Tk.	1454·97

∴ Rate per sft. = Tk. $\frac{1454·97}{24·18}$ = Tk. 60·17

Say, rate per square foot = Tk. 60·15

Analysis for item No. 65

Supplying, fitting and fixing 1" thick Kathal wood batten door shutters 3"×1" 'Z' battens fitted with iron screws etc. For 24·18 sft.

(a) Fittings :—

(i) Iron tower bolt, 1'—0" long, 1 No. @ Tk. 18·50 each.	Tk.	18·50
(ii) Socket bolt, 9" long, 1 No. @ Tk. 16·50 each.	Tk.	16·50
(iii) Iron hinges 4" long, 6 Nos. @ Tk. 6·00 each.	Tk.	36·00
(iv) Iron ring 2½" dia, 2 Nos. @ Tk. 3·50 each.	Tk.	7·00
(v) 1½" iron screws, 10 dozen @ Tk. 3·50 per dozen.	Tk.	35·00
(vi) Hinged cleats and buffer blocks.	Tk.	22·00
	Tk.	135·00
(b) Labour for 24·18 sft. @ Tk. 8·25 per cft.	Tk.	199·48
	Tk.	334·48

(c) Cost of wood :—

1'×6'—9"×3'—8"×0'—1"	= 20·6 cft.
2×3×1'—8"	= 10 rft
2×2×3'—6"	= 14 rft.
24×0'—3"×0'—1"	= 0·50 cft.
	2·56 cft.
Add 5% for wastage	0·128 cft.
	2·688 cft.
@ Tk. 200·00 per cft.	Tk. 537·60
	Tk. 872·08
Contractor's Profit 10%	Tk. 87·20
	Tk. 959·28

∴ Rate per sft. = Tk. $\frac{959·28}{24·18}$ = Tk. 39·67

Say, rate per square foot = Tk. 39·60

Analysis for item No. 66

Supplying, fitting & fixing $1\frac{1}{2}$" thick wood glazed window shutter having horizontal and vertical sections of $3\frac{1}{2}" \times 1\frac{1}{2}"$ and having $1\frac{1}{2}" \times 1\frac{1}{2}"$ sash bar. For 13·75 sft.

(a) For Kathal wood :—

(i) Fittings : Iron tower bolt, 10" long 1 No. @ Tk 16·50 each.	Tk.	16·50
Socket 6" 1 No. @ Tk. 9·50 each.	Tk.	9·50
Hinges 4" long 4 Nos. @ Tk. 6·00 each	Tk.	24·00
Brass handle 1 No. @ Tk. 5·50 each	Tk.	5·50
Catch hook 9" long 2 Nos. @ Tk. 4·00	Tk.	8·00
Screws 4 dozens @ Tk. 3·50 per dozen.	Tk.	14·00
(ii) Glass panes, $16 \times 10" \times 8"$ = 8·83 sft. @ Tk. 16·00 per sft.	Tk.	142·08
(iii) Fitting fixing glass panes with necessary iron pins & pucca putty in/c. supply of pins & putty = 8·88 sft. @ Tk. 2·00 per sft.	Tk.	17·76
(iv) Labour for 13·75 sft. @ Tk. 12·00 per sft.	Tk.	165·00

(v) Cost of wood :—

$4 \times 3'$—$10" \times 3\frac{1}{2}" \times 1\frac{1}{2}"$	= 0·56 cft.	
$4 \times 1'$—$10" \times 3\frac{1}{2}" \times 1\frac{1}{2}"$	= 0·26 cft.	
Sash bar $2 \times 3'$—$4" \times 1\frac{1}{2}" \times 1\frac{1}{2}"$	= 0·105 cft.	
$6 \times 1'$—$4" \times 1\frac{1}{2}"$	= 0·13 cft.	
	1·055 cft.	
Add 5% wastage ...	0·053 cft.	
	1·108 cft.	
@ Tk. 200·00 per cft.	Tk.	221·60
	Tk.	623·94
Contractor's Profit 10%	Tk.	62·39
	Tk.	686·33

$\therefore$ Rate per sft. = Tk. $\frac{686·33}{13·75}$ = Tk. 49·91

Say, rate per square foot = Tk. 49·90

(b) For Silkarai wood :—

(i) Fittings, glass panes & labour as item No. 66 (a)	Tk.	402·34
(ii) Wood required = 1·055 cft.		
Add 5% wastage ... = 0·053 cft.		
1·108 cft. @ Tk. 230·00 per cft.	Tk.	254·84
	Tk.	657·18
Contractor's Profit 10%	Tk.	65·71
	Tk.	722·89

$\therefore$ Rate per sft. = Tk. $\frac{722·89}{13·75}$ = Tk. 52·57

Say, rate per square foot = Tk. 52·55

(c) For Gammar wood :—

(i) Fittings, glass panes, labour as above.	Tk.	402·34
(ii) Cost of 1·108 cft. wood @ Tk. 230·00	Tk.	254·84
	Tk.	657·18

Contd. item No. 66

B. F. =	Tk.	657·18
Contractor's Profit 10%	Tk.	65·71
	Tk.	722·89

∴ Rate per sft. = Tk. $\frac{722·89}{13·75}$ = Tk. 52·57

Say, rate per square foot = Tk. 52·55

(d) For C. T. wood :—

(i) Same as above.	Tk.	402·34
(ii) Cost of 1·108 cft. of C. T. wood @ Tk. 500·00 per cft.	Tk.	554·00
	Tk.	956·34
Contractor's Profit 10%	Tk.	95·63
	Tk.	1051·97

∴ Rate per sft. = Tk. $\frac{1051·97}{13·75}$ = Tk. 76·50

Say, rate per square foot = Tk. 76·50

(e) For B. T. wood :—

(i) Same as above	Tk.	402·34
(ii) Cost of 1·108 cft. of wood @ Tk. 1000·00 per cft.	Tk.	1108·00
	Tk.	1510·34
Contractor's Profit 10%	Tk.	151·03
	Tk.	1661·37

∴ Rate per cft. = Tk. $\frac{1661·37}{13·75}$ = Tk. 120·82

Say, rate per square foot = Tk. 120·80

(f) For Chapalish wood :—

(i) Same as item No. 66 (a)	Tk.	402·34
(ii) Cost of wood 1·108 cft. @ Tk. 240·00 per cft.	Tk.	265·92
	Tk.	668·26
Contractor's Profit 10%	Tk.	66·82
	Tk.	735·08

∴ Rate per sft. = Tk. $\frac{735·08}{13·75}$ = Tk. 53·46

Say, rate per square foot = Tk. 53·45

(g) For Teak Chambal wood :—

(i) Same as item No. 66 (a)	Tk.	402·34
(ii) Cost of wood 1·108 cft. @ Tk. 280·00 per cft.	Tk.	310·24
	Tk.	712·58
Contractor's Profit 10%	Tk.	71·25
	Tk.	783·83

∴ Rate per sft. = Tk. $\frac{783·83}{13·75}$ = Tk. 57·00

Say, rate per square foot = Tk. 57·00

Analysis for item No. 67

Supplying, fitting & fixing $1\frac{1}{2}$" thick wood window shutters, one third galzed and $1\frac{1}{2}$" thick, two third both side raised panelling having horizontal and vertical section of $3\frac{1}{2}" \times 1\frac{1}{2}"$ and sash bar $1\frac{1}{2}" \times 1\frac{1}{2}"$ etc.

For 3'–7" × 3'–7" = 12·84 sft. (4' × 4') opening.

(a) For Kathal wood :—

4 × 3'–7" × $3\frac{1}{2}" \times 1\frac{1}{2}"$	= 0·52 cft.
4 × 3'–8" × $3\frac{1}{2}" \times 1\frac{1}{2}"$	= 0·54 ,,
	1·06 cft.

Contd. item No. 67 (a) B. F. = 1·06 cft.

Sash bar $2 \times 1'-0'' \times 1\frac{1}{2}''$ = 0·03 ,,

Panel $4 \times 1'-4'' \times 0'-11'' \times 1\frac{1}{2}''$ = 0·51 ,,

1·60 cft.

Add 5% wastage 0·08 cft.

1·68 cft. @ Tk. 200·00 per cft. Tk. 336·00

(ii) Fitting same as item No. 66 (i to v) Tk. 77·50

(iii) Glass panes $4 \times 0'-10'' \times 0'-8'' = 2{\cdot}22$ sft.
@ Tk. 16·00 per sft. Tk. 35·52

(iv) Fitting, fixing glass panes with necessary iron pins & pucca putty in/c. supply of pins & putty = 2·22 sft.
@ Tk. 2·00 per sft. Tk. 4·44

(v) Labour for 12·84 sft. @ Tk. 13·00 per sft. Tk. 166·92

Tk. 620·38

Contractor's Profit 10% Tk. 62·03

Tk. 682·41

∴ Rate per sft. = Tk. $\frac{682{\cdot}41}{12{\cdot}84}$ = Tk. 53·14

Say, rate per square foot = Tk. 53·15

(b) For Silkarai wood :—

(i) Wood required 1·60 cft.
Add 5% wastage 0·08 cft.

1·68 cft. @ Tk. 230·00 per cft. Tk. 386·40

(ii) to (iv) as item No. 67 (a) Tk. 284·38

Tk. 670·78

Contractor's Profit 10% Tk. 67·07

Tk. 737·85

∴ Rate per sft. = Tk. $\frac{737{\cdot}85}{12{\cdot}84}$ = Tk. 57·46

Say, rate per square foot = Tk. 57·45

(c) For Gammar wood :—

(i) Wood 1·68 cft. @ Tk. 230·00 Tk. 386·40

(ii) to (iv) Same as item No. 67 (a) Tk. 284·38

Tk. 670·78

Contractor's Profit 10% Tk. 67·07

Tk. 737·85

∴ Rate per sft. = Tk. $\frac{737{\cdot}85}{12{\cdot}84}$ = Tk. 57·46

Say, rate per square foot = Tk. 57·45

(d) For C. T. Wood :—

(i) Wood 1·68 cft. @ Tk. 500·00 per cft. Tk. 840·00

(ii) to (iv) Same as item No. 67 (a) Tk. 224·38

Tk. 1064·38

Contractor's Profit 10% Tk. 106·43

Tk. 1170·81

∴ Rate per sft. = Tk. $\frac{1170{\cdot}81}{12{\cdot}84}$ = Tk. 91·18

Say, rate per square foot = Tk. 91·20

Contd. item No. 67

(e) For B. T. Wood :—

(i) Wood 1·68 cft. @ Tk. 1000·00 per cft.	Tk.	1680·00
(ii) to (iv) Same as item No. 67 (a)	Tk.	284·38
	Tk.	1964·38
Contractor's Profit 10%	Tk.	196·43
	Tk.	2160·81

$\therefore$ Rate per sft. = Tk. $\frac{2160·84}{12·84}$ = Tk. 168·28

Say, rate per square foot = Tk. 168·25

(f) For Chapalish wood :—

(i) Same as item No. 67 (a)	Tk.	284·38
(ii) Cost of wood 1·68 cft. @ Tk. 240·00 per cft.	Tk.	403·20
	Tk.	687·58
Contractor's Profit 10%	Tk.	68·75
	Tk	756·33

$\therefore$ Rate per sft. = $\frac{756·33}{12·84}$ = Tk. 58·90

Say, rate per hundred square foot = Tk. 58·90

(g) For Teak Chambal wood :—

(i) Same as item No. 67 (a)	Tk.	284·38
(ii) Cost of wood 1·68 cft. @ Tk. 280·00 per cft.	Tk.	470·40
	Tk.	754·78
Contractor's Profit 10%	Tk.	75·47
	Tk.	830·25

$\therefore$ Rate per sft. = Tk. $\frac{830·25}{12·84}$ = Tk. 64·66

Say, rate per square foot = Tk. 64·65

Analysis for item No. 68

Extra for using brass fittings in place of iron fittings in doors and windows of all floor.

(a) For doors per sft.	Tk.	5·50
(b) For windows per sft.	Tk.	5·00

Say, rate per square foot = Tk. 5·50 for door and Tk. 5·00 for window only.

Analysis for item No. 69

Supplying, fitting and fixing window grills made of $\frac{5}{8}$" dia M. S. rod 4" C/C fitted with $1\frac{1}{2}$"×$\frac{1}{4}$" F. I. bar 3 Nos. horizontally.
Size : 3'—6"×4'—6" = 15·75 sft.

(a) F. I. bar 3×4'—8" = 12 rft. @ 1·28 lbs per rft. = 15·36 lbs.

(b) $\frac{5}{8}$" dia M. S. rods 4" C/C 10×4'—6" = 45 rft.
@ 1·043 lbs/rft. = 46·94 lbs.
= 62·30 lbs.

@ Tk. 5·80 per lbs.	Tk.	361·34
(c) Labour for 15·75 sft. @ Tk. 12·50 per sft. (including welding, revetting, drilling etc.)	Tk.	196·87
(d) Screws 3 dozen @ Tk. 3·50 per dozen.	Tk.	10·50
	Tk.	568·71

Contd. item No. 69 B. F. Tk. 568·71

(e) Painting :—

(i) Cost of paint for 100 sft. (covering 600 sft.)
per gallon @ Tk. 400·00 Tk. 66·66

(ii) Labour :

(a) Painter 1 No. @ Tk. 55·00 each. Tk. 55·00

(b) Skilled Labour 1 No. @ Tk. 30·00 each. Tk. 30·00

(iii) Sand paper, thinner putty etc. L. S. Tk. 25·00

Tk. 176·66

Contractor's Profit 10% Tk. 17·66

Tk. 194·32

Say, Tk. 194·00 per % sft.

Taking 50% = 15·75 × 50% = 8 sft. Tk. 15·52

Tk. 584·23

Contractor's Profit 10% on (a, b, c & d) Tk. 56·87

∴ Rate per sft. = Tk. $\frac{641·10}{15·75}$ = Tk. 40·70 Tk. 641·10

Say, rate per square foot = Tk. 40·70

Analysis for item No. 70

Supplying, fitting and fixing window grills of any design made of M. S. section $\frac{3}{4}$" with $\frac{1}{8}$" with outer frame 1" × $\frac{1}{2}$" with two coats painting for all floors.

Size 3'—6" × 4'—6" = 15·75 sft.

(a) Outer frame F. I. bar.

1" × $\frac{1}{4}$" size 16 rft. @ 0·85 lbs/rft. 13·60 lbs.

F. I. bar $\frac{3}{4}$" × $\frac{1}{8}$" size :

Horz. 5 × 3'- 6" = 17·50 rft.

Vert. 4 × 4'—6" = 18·00 rft.

Diag. 30 × 2'—0" = 60·00 rft.

95·50 rft. 0·319 lbs/rft. 30·45

44·06 lbs.

Wastage 5% 2·20 lbs.

46·26 lbs.

@ Tk. 5·80 per lbs. Tk. 268·30

(b) Labour for fabrication, we'ding etc. for 15·75 sft.
@ Tk. 18·00 per sft. Tk. 283·50

(c) Painting 8 sft. @ Tk. 194·00 per % sft. Tk. 15·52

(d) Supplying of fittings, screws etc. L. S. Tk. 20·00

Tk. 587·32.

Contractor's Profit 10% on (a, b & d) Tk. 57·18

∴ Rate per sft. = $\frac{644·50}{15·75}$ = Tk. 40·92 Tk. 644·50

Say, rate per square foot = Tk. 40·90

Analysis for item No. 71

Size of window = 1 × 3'—0" × 5'—0" = 15 sft.

1. Materials :

(A) Z. Section = $\frac{3}{4}$" × $\frac{3}{4}$" × $\frac{1}{8}$"

Chowkat	= 2 × 5'—0"	= 10'—0"	rft.
	= 3 × 3'—0"	= 9'—0"	,,
	= 1 × 4'—0"	= 4' 0"	,,
Frame shutter	4 × 4'—0"	= 16'— 0"	,,
	4 × 1'—6"	= 6'—0"	,,
Fan light	2 × 3'— 0"	= 6'—0"	,,
	2 × 1'— 0"	= 2'—0"	,,
		53'—0"	rft.
Add 5% Wastage		= 2·65	rft.
		55·65	rft.

@ 115 rft. per cwt. = 0·484 cwt. @ Tk. 850·00 per cwt. Tk. 411·40

(B) T. Section = $\frac{3}{4}$" × $\frac{3}{4}$" × $\frac{1}{8}$"

Shutter frame—4 × 1'—6"	= 6' ·0"	rft.
Fan light = 1 × 1'—0"	= 1'—0"	rft.
	7'—0"	rft.
Add 5% Wastage	0·35	rft.
	7·35	rft.

@ 170 rft. per cwt. = 0·043 cwt. @ Tk. 850·00 per cwt. Tk. 36·55

(C) F. I. bar – 1" × $\frac{1}{8}$" for

Making box : Chowkat = 1 × 4'—0" = 4'—0" rft.

1 × 3'—0" = 3'—0" rft.

7'—0" rft.

Add 5% wastage 0·35 rft.

7·35 rft.

@ 260 rft. per cwt. = 0·0282 cwt. @ Tk. 650·00 per cwt. Tk. 18·33

2. Fittings :—.

(a) Stopper handle 2 Nos. @ Tk. 14·00 each	Tk.	28·00
(b) 12" long adjustment iron cleat 3 Nos. @ 16·00 each	Tk.	48·00
(c) 2" long pin hinges 6 Nos. @ Tk. 12·00 each	Tk.	72·00
(d) Standard clamp for chowkat 6" long 4 Nos. @ Tk. 8·50 each	Tk.	34·00

3. Workshop charge : –

Manufacture including fabrication revetting welding in/c. supply of necessary incidental materials. 15' sft. @ Tk. 20·00 per sft. Tk. 300·00

4. Labour charge for fitting in positions. Labour charge in fitting, fixing, the finished window shutter and frames in position in the Buildirg including embedding clamp in C. C. (1 : 2 : 4) and making grooves and mending damage comp'ete.

1 window L. S. Tk. 47·00

Tk. 995·28

Contd. item No. 71 B. F. Tk. 995·28

5. Carriage charges :—

Carriage charge for iron materials from market to workshop and carrying the finished window from workshop to Building site. 1 window L. S. Tk. 9·00

6. Glass panes :—

(a) 3 M. M. glass panes including wastage etc. = 15 sft.
@ Tk. 16·00 per sft. Tk. 240·00

(b) Fitting, fixing glass panes with necessary iron pins and pucca putty including supply of pins and putty = 15 sft.
@ Tk. 3·50 per sft. Tk. 52·50

7. Painting :—

Painting the window shutter or frame 2 coats of approved synthetic enamel paint over a coat of anticorrosive priming.
= 15 sft. @ Tk. 255·00 per ⅝ sft. Tk. 38·25

	Tk.	1335·03
Contractor's Profit 10% except (7)	Tk.	129·67
	Tk.	1464·70

So, rate per sft. = Tk. $\frac{1464·70}{15}$ = Tk. 97·64

Say, rate per square foot = Tk. 97·65

Analysis for item. No. 72

Wood work in frames of roof truss and wall plate. For 1 cft. of work.

(a) *Garjan, Sundari Jam* :—

(i) Cost per cft.	Tk.	170·00
(ii) Labour	Tk.	25·00
(iii) Coaltar, bolt, nut, nails etc.	Tk.	35·00
	Tk.	230·00
Contractor's Profit 10%	Tk.	23·00
	Tk.	253·00

Say, rate per cubic foot = Tk. 253·00

(b) Silkarai :—

(i) Cost per cft.	Tk.	230·00
(ii) Labour	Tk.	25·00
(iii) Coalter, bolt, nut, nails etc.	Tk.	35·00
	Tk.	290·00
Contractor's Profit 10%	Tk.	29·00
	Tk.	319·00

Say, rate per cubic foot = Tk. 319·00

(c) Telsu wood :—

(i) Cost per cft.	Tk.	300·00
(ii) Labour	Tk.	25·00
(iii) Coaltar, bolts, nuts, nails etc.	Tk.	35·00
	Tk.	360·00
Contractor's Profit 10%	Tk.	36·00
	Tk.	396·00

Say, rate per cubic foot = Tk. 396·00

Contd. item No. 72

(d) Jarul :—		
(i) Cost per cft.	Tk.	250·00
(ii) Labour	Tk.	25·00
(iii) Coaltar, bolts, nuts, nsils etc.	Tk.	35·00
	Tk.	310·00
Contractor's Profit 10%	Tk.	13·00
Say, rate per cubic foot = Tk. 341·00	Tk.	341·00
(e) Local Sal wood (Modhupur) :—		
(i) Cost per cft.	Tk.	250·00
(ii) Labour	Tk.	25·00
(iii) Coaltar, bolts, nuts, nails etc.	Tk.	35·00
	Tk.	310·00
Contractor's Profit 10%	Tk.	31·00
Say, rate per cubic feet = Tk. 341·00	Tk.	341·00

Analysis for item No. 73

Painting to door and window frame and shutters two coats.
For 100 sft. of work :—

(a) Cost of paint for 100 sft. @ Tk. 400·00 per gallon (covering 300 sft.) Tk. 133·33	Tk.	133·33
(b) Labour : Painter 1 No. @ Tk. 55·00 each.	Tk.	55·00
Labour 1 No. Tk. 25·00 each.	Tk.	25·00
(c) Sand paper, putty, thinner etc.	Tk.	18·50
	Tk.	231·83
Contractor's Profit 10%	Tk.	23·18
Say, rate per hundred square foot = Tk. 255·00	Tk.	255·01

Analysis for item No. 74

Oil bound distempering 2 coat over a coat of priming.
For 100 sft. of work.

(a) Cost of distemper for 100 sft. @ Tk. 230·00 per gallon (covering 250 sft.)	Tk.	92·00
(b) Chalk powder	Tk.	22·00
(c) Labour, scaffolding and sundries.	Tk.	50·00
	Tk.	164.00
Contractor's Profit 10%	Tk.	16·40
Say, rate per hundred square foot = Tk. 180·00	Tk.	180·40

Analysis for item No. 75

Plastic emulsion paint to walls and ceiling three coats.
For 100 sft. of work :

(a) Cost of paint for 100 sft. @ Tk. 370·00 per gallon (covering 300 sft.)	Tk.	123·33
(b) Labour cost of putty, scaffolding and sundries.	Tk.	68·00
	Tk.	191·33

Contd. item No. 74	B. F. =	Tk.	191·33
	Contractor's Profit 10%	Tk.	19·13
		Tk.	210·46

Say, rate per hundred square foot = Tk. 210·00

Analysis for item No. 76

French polishing 3 (three) coats. For 100 sft. of work.

(a)	French powder for supplying preliminary coat (plaster) on the surface.	Tk.	35·00
(b)	Sprit 4 lbs. @ Tk. 15·00 per lbs.	Tk.	60·00
(c)	Gala 2 chhatak @ Tk. 80·00 per seer.	Tk.	10·00
(d)	Mostaki $\frac{1}{8}$ seer @ Tk. 40·00 per seer.	Tk.	6·66
(e)	Karpa (for finishing & glazing the surface) 1 chhatak @ Tk. 80·00 per seer.	Tk.	5·00
(f)	Sand paper 4 Nos. @ Tk. 2·00 each	Tk.	8·00
(g)	Putty L. S.	Tk.	8·00
(h)	Cloth (Marking) $\frac{1}{2}$ yard @ Tk. 15·00 per yard	Tk.	7·50
(i)	Cotton $\frac{1}{3}$ chhatak	Tk.	1·50
(j)	Labour, painter 1 No. @ Tk. 55·00 each	Tk.	55·00
(k)	Sundries, scaffolding T & P. L. S.	Tk.	8·50
		Tk	205·16
	Contractor's Profit 10%	Tk.	20·51
		Tk.	225·67

Say, rate per hundred square foot = Tk. 225·00

Analysis for item No. 77

A. Snow ceams washing 2 coats over a coat of priming.
For 100 sft. of works.

(i)	Cost of snow ceam for 100 sft. @ Tk. 1400·00 Bangladeshi made (40 kg) covering on av. 150 sq. yds.	Tk.	103·70
(ii)	Labour, scaffolding, sundries etc.	Tk.	55·00
		Tk.	158·70
	Contractor's Profit 1 %	Tk.	15·87
		Tk.	171·57

Say, rate per hundred square foot = Tk. 175·00

B. Foreign made :—

(i)	Cost of snow ceam for 100 sft. @ Tk. 2500·00 Foreign made (40 kg) covering on 150 sq. yds.	Tk.	185·18
(ii)	Labour, scaffolding, sundries etc.	Tk.	55·00
		Tk.	240·18
	Contractor's Profit 10%	Tk.	2 041
		Tk.	264·19

Say, rate per square foot = Tk. 264·00

Analysis for item No. 78

Barbed wire fencing with R. C. C. pillars.
For 120 rft. 8" apart pillars, height 7'—0"
including 2'—6" below G. L.

(a)	Earth work : $16 \times 2'-6'' \times 1'-6'' \times 1'\ 6'' = 90$ cft. @ Tk. 371·00 per 100 cft.	Tk.	33·39
(b)	R. C. C. work : $16 \times 1'-6'' \times 1'-6'' \times 0'-6'' = 18$ cft. $16 \times 6'-6'' \times 0'-5'' \times 0'-5'' = 18$ cft. 36 cft. @ Tk. 45·65 per cft.	Tk.	1643·40
(c)	Reinforcement : Footing $10 \times 1'-6'' = 15'$ Pillar $4 \times 7'-6'' = 30'$ $\frac{3}{8}$" dia rod $45' \times 16 = 720$ rft. @ ·367 lbs/rft. = 271 lbs. Ring $16 \times 4 \times 1'-6'' = 336$ rft. Embeded $16 \times 8 \times 1'-0'' = 128$ rft. $\frac{1}{4}$" dia rod 464 rft. @ ·167 lbs/rft. = 77·5 lbs. 348·5 lbs. = 3·11 cwt. @ Tk. 650·00 per cwt.	Tk.	2021·50
(d)	$\frac{1}{4}$" cement plaster (4 : 1) $16 \times 5'-0'' \times 1'-8'' = 133$ sft. @ Tk. 203 per 100 sft.	Tk.	279·99
(e)	12 B. W. G. barbed wire $8 \times 120' = 960$ rft. horizontal $16 \times 2 \times 7'-6'' = 240$ rft. diagonal 1200 rft. = 1·26 cwt. @ Tk. 950·00 per cwt. (950 rft. = 1 cwt.)	Tk.	1197·00
(f)	Labour for stretching tightening and binding barbed wire in positions 1200 rft. @ Tk. 8·50 % rft.	Tk.	102·00
		Tk.	5267·28
	Contractor's Profit 10% on (c, e & f)	Tk.	332·05
		Tk.	5599·33

$\therefore$ Rate per rft. = Tk. $\frac{5599·33}{120}$ = Tk. 46·66

Say, rate per running foot of fencing = Tk. 46·65

Analysis for item No. 79

Barbed wire fencing with 4" av. dia salbullah post.
Taking 468 rft.
Height of fencing 4'—6", 6'—6" long posts (2'—6" under G. L.) 6'—0" C/C 9 Nos. of horizontal lines of barbed wire with equal spacing and 2 Nos. of diagonal lines per day.

(a)	Cost of bullah post 507 rft. @ Tk. 8·50 per rft.	Tk.	4309·50
(b)	Cost of horizontal lines of 12 B. W. G. barbed wire $9 \times 468 = 4212$ rft. = 4·434 cwt. @ Tk. 950·00 per cwt. (950 rft. = 1 cwt.)	Tk.	4212·30
		Tk.	8521·80

Cont'd. item No. 79	B. F.	Tk.	8521·80
(c) —do— —do— Diagonal lines 2×7·5 = 15 rft. per bay. 15×78=1170 rft. =1·23 cwt. @ Tk. 950·00 per cwt.		Tk.	1168·50
(d) Cost of nails & staples 78×12=936 Nos. =4·68 seers @ Tk. 18·00 per seer.		Tk.	84·24
(e) Labour for digging holes, fixing posts, filling and compacting sides. Labour :— 4 Nos. @ Tk. 25·00 each.		Tk.	100·00
(f) Labour for stretching, tightening, binding, barbed wire. Carpenter :— 4 Nos. @ Tk. 55·00 each.		Tk.	220·00
Skilled labour :— 13 Nos. @ Tk. 30·00 each.		Tk.	390·00
(g) Cost of coaltaring the posts. 4 seers. @ Tk. 10·00 per seer.		Tk.	40·00
(h) Labour for applying coaltar. Labour :— 2 Nos. @ Tk. 25·00 each.		Tk.	50·00
		Tk.	10,574·54
Contractor's Profit 10%		Tk.	1057·45
		Tk.	11,631·99

∴ Rate per rft. of fencing. $= \text{Tk. } \frac{11631·99}{468} = \text{Tk. } 24·85$

Say, rate per running foot of fencing = Tk. 24·85

Analysis for item No. 80

Providing apron. For 100 sft. of work :

(A) For 100 sft. of concrete (4 : 2 : 1)			
(a) Chips 100 cft. (900 Nos. of bricks) @ Tk. 1200·00 %o Nos.		Tk.	1080·00
(b) Breaking cost of chips		Tk.	135·00
(c) Coarse sand 45 cft. @ Tk. 400·00 per % cft.		Tk.	180·00
(d) Cement 18 bags @ Tk. 115·00 per bag		Tk.	2070·00
(e) Local carriage in/c. storage & sundries L. S.		Tk.	14·00
(f) Curing Labour 1¾ Nos. @ Tk. 25·00 each		Tk.	43·75
		Tk.	3522·77
Contractor's Profit 10%		Tk.	352·27
		Tk.	3875·02

So, cost for 2" thick 100 sft. = Tk. $\frac{3875·02}{6}$ = Tk. 645·83

Contd. item No. 80	B. F.	Tk.	645·83
(g) Labour for 100 sft.			
(i) Mason 1 No. @ Tk. 50·00 each		Tk.	50·00
(ii) Skilled Labour 1 No. @ Tk. 30·00 each		Tk.	30·00
(iii) Ordinary Labour 1 No. @ Tk. 25·00 each		Tk.	25·00
(h) Extra cost for N. C. F. ½ bag @ Tk. 115·00 per bag.		Tk.	57·50
		Tk.	808·33
Contractor's Profit 10% on (g & h)		Tk.	16·25
		Tk.	824·58
(B) One layer of Brick flat soling for 100 sft. rate same as item No. 2 (a) @ Tk. 457·00 % sft.		Tk.	457·00
(C) Earth work 100 sft. × 0' 5" = 41·67 cft. @ Tk. 371·00 per %o cft.		Tk.	15·45
		Tk.	1297·03

Say, rate per hundred square foot = Tk. 1297·00

Analysis for item No. 81

Providing drip coarse/Nosing/Threating.

For 25 rft.

(a) Cement ½ bag @ Tk. 115·00 per bag		Tk.	9·58
(b) Sand L. S.		Tk.	2·50
(c) Mason 1 No. @ Tk. 50·00 each		Tk.	50·00
(d) Labour ½ No. @ Tk. 25·00		Tk.	12·50
(e) Sundries, scaffolding, curing etc.		Tk.	2·50
		Tk.	77·08
Contractor's Profit 10%		Tk.	7·70
		Tk.	84·78

∴ Rate per rft. = Tk. $\frac{84·78}{25}$ = Tk. 3·39

Say, rate per running foot = Tk. 3·40

ANALYSIS OF RATES FOR ITEMS OF ROAD & MISCELLANEOUS WORKS

Analysis for item No. 1

Earth work in road embankment upto a lift of 5'—0"
For 1000 cft. of E/W.

(a) For initial lift of 5'—0"		
(i) Ordinary labour 12½ Nos. @ Tk. 25·00 each	Tk.	312·50
Contractor's Profit 10%	Tk.	31·25
	Tk.	343·75
Say, rate per thousand cubic foot = Tk. 344·00		
(b) For additional lift 3'—0" from 5'—0" upto 8'—0"		
(i) E/W upto 5'—0" lift sam as item No. 1 (a)	Tk.	312·50
(ii) Extra labour for additional lift 1½ Nos. @ Tk. 25·00 each	Tk.	37·50
	Tk.	350·00
Contractor's Profit 10%	Tk.	35·00
	Tk.	385·00
Say, rate per thousand cubic foot = Tk. 385·00		
(c) For additional lift of 3'—0" from 8'—0" upto 11'—0"		
(i) E/W upto 8'—0" lift same as item No. 1 (b)	Tk.	350·00
(ii) Extra labour for additional lift 1½ Nos. @ Tk. 25·00 each	Tk.	37·50
	Tk.	387·50
Contractor's Profit 10%	Tk.	38·75
	Tk.	426·25
Say, rate per thousand cubic foot = Tk. 426·00		
(d) For additional lift of 3'—0" from 11'—0" upto 14'—0"		
(i) E/W upto 11'—0" lift same as item No. (c)	Tk.	387·50
(ii) Extra labour for additional lift 1½ Nos. @ Tk. 25·00 each	Tk.	37·50
	Tk.	425·00
Contractor's Profit 10%	Tk.	42·50
	Tk.	467·50
Say, rate per thousand cubic feet = Tk. 467·50		
(e) For additional lift of 3'—0" from 14'—0" upto 17'—0"		
(i) E/W upto 14'—0" lift same as item No. 1 (d)	Tk.	425·00
(ii) Extra labour for additional lift 1½ Nos. @ Tk. 25·00 each	Tk.	37·50
	Tk.	462·50
Contractor's Profit 10%	Tk.	46·25
	Tk.	508·75
Say, rate per thousand cubic foot = Tk. 509·00		
(f) For additional lift of 3'—0" from 17'-0" upto 20'—0"		
(i) E/W upto 17'—0" lift same as item No. 1 (e)	Tk.	460·50
(ii) Extra labour for additionalt lif 1½ Nos. @ Tk. 25·00 each	Tk.	37·50
	Tk.	500·00
Contractor's Profit 10%	Tk.	50·00
	Tk.	550·00
Say, rate per thousand cubic foot = Tk. 550·00		

Analysis for item No. 2

(a) Earth work in box cutting upto 1'—0" depth.
For 100 sft. of work.

(i) Ordinary labour 1 No. @ Tk. 25·00 each	Tk.	25·00
(ii) Mason ½ No. @ Tk. 50·00 each	Tk.	12·50
	Tk.	37·50
Contractor's Profit 10%	Tk.	3·75
	Tk.	41·25

Say, rate per hundred square foot = Tk. 41·00

(b) —do — do — upto 1'—6" depth

(i) Ordinary labour 1½" Nos. @ Tk. 25·00 each	Tk.	37·50
(ii) Mason ½ No. @ Tk. 50·00 each	Tk.	12·50
	Tk	50·00
Contractor's Profit 10%	Tk.	5·00
	Tk.	55·00

Say, rate per hundred square foot = Tk. 55·00

Analysis for item No 3

Turfing the side slopes & top embankment. For 1000 sft. of work.

(a) Labour for cutting grass turf upto proper size, carrying and placing it on the embankment properly side by side.
Labour : 3 Nos. @ Tk. 25·00 each — Tk. 75·00

(b) Watering the turf properly & profusely at least twice a day & guarding it from grazing animals ¼ labour for 7 days = 1¾ labour @ Tk. 25·00 each — Tk. 43·75

(c) Possible royalty or cost of the turf L. S. — Tk. 15·00

	Tk.	133·75
Contractor's Profit 10%	Tk.	13·37
	Tk.	147·12

Say, rate per thousand square foot = Tk. 147·00

Analysis for item No. 4

Single brick flat soling. For 100 sft. of work.

(a) Bricks 300 Nos. @ Tk. 1200·00 per %o Nos.	Tk.	360·00
(b) Fine sand 5 cft. @ Tk. 90·00 per % cft.	Tk.	4·50
(c) Mason ¼ No. @ Tk. 50·00 each.	Tk.	12·50
(d) Labour 1 No. @ Tk. 25·00 each.	Tk.	25·00
(e) Local carriage of bricks cambering & sundries	Tk.	10·00
	Tk.	412·00
Contractor's Profit 10%	Tk.	41·20
	Tk.	453·20

Say, rate per hundred square foot = Tk. 453·00

Analysis for item No. 5

Brick on edge pavement in Herring bone bond. For 100 sft. of work.

(a) Bricks 500 Nos. @ Tk. 1200·00 per %o Nos.	Tk.	600·00
(b) Fine sand 10 cft. @ Tk. 90·00 per % cft.	Tk.	9.00
(c) Mason $\frac{1}{2}$ No. @ Tk. 50·00 each.	Tk.	25·00
(d) Ordinary labour 1 No. @ Tk. 25·00 each.	Tk.	25·00
(e) Local carriage, cambering & sundries.	Tk.	12·00
	Tk.	671·00
Contractor's Profit 10%	Tk.	67·10
	Tk.	738·10

Say, rate per hundred square foot = Tk. 733·00

Analysis for item No. 6

Double brick flat soling. For 100 sft. of work.

(a) Bricks 600 Nos. @ Tk. 1200·00 per %o Nos.	Tk.	720·00
(b) Fine sand 12 cft. @ Tk. 90·00 per % cft.	Tk.	10·80
(c) Mason 1 No. @ Tk. 50·00	Tk.	50·00
(d) Labour 2 Nos. @ Tk. 25·00	Tk.	50·00
(e) Local carriage of bricks, cambering & sundries.	Tk.	13·00
	Tk.	843·80
Contractor's Profit 10%	Tk.	84·38
	Tk.	928·18

Say, rate per hundred square foot = Tk. 928,00

Analysis for item No. 7

Brick on end edging (3" across the road). For 100 rft. of work.

(a) Bricks 250 Nos. @ Tk. 1200·00 per %o Nos.	Tk.	300·00
(b) Fine sand 2 cft. @ Tk. 90·00 per % cft.	Tk.	1·80
(c) Mason $\frac{1}{4}$ No. @ Tk. 50·00 each.	Tk.	12·50
(d) Labour $\frac{3}{4}$ No. @ Tk. 25·00 each.	Tk.	18·75
(e) Local carriage of bricks and sundries.	Tk.	8·50
	Tk.	341·55
Contractor's Profit 10%	Tk.	34·15
	Tk.	375·70

Say, rate per square foot = Tk. 375·70

Analysis for item No. 8

Breaking picked jhama & Ist Class Bricks or bats.

(i) Cost of Materials :		
For 100 cft. (Bricks 850 Nos. @ Tk. 1200·00 per %o Nos.)	Tk.	1020·00
(ii) Breaking cost :—		
For $2\frac{1}{2}$"—$1\frac{1}{2}$" sizes labour $3\frac{1}{2}$ Nos. @ Tk. 25·00	Tk.	87·50
For $1\frac{1}{2}$"—1" sizes labour $4\frac{1}{2}$ Nos. @ Tk. 25·00	Tk.	112·50

Abstract of cost

(a) For 2½"—1½" sizes.		
(i) Cost of materials	Tk.	1020·00
(ii) Breaking charge	Tk.	87·50
	Tk.	1107·50
Contractor's Profit 10%	Tk.	110·75
	Tk.	1218·25

Say, rate per hundred cubic foot = Tk. 1218·00

(b) For 1½"—1" sizes.		
(i) Cost of materials	Tk.	1020·00
(ii) Breaking charge	Tk.	112·50
	Tk.	1132·50
Contractor's Profit 10%	Tk.	113·25
	Tk.	1245·75

Say, rate per hundred cubic foot = Tk. 1246·00

Analysis for item No. 9

Labour of compacted water bound Macadam base course. For 100 cft.
(Taking 20' × 10' × 6") of work.

(a) Labour for spreading in/c. local carriage 1½ No. @ Tk. 25·00 each	Tk.	37·50
(b) Labour for hand packing ¼ No. @ Tk. 25·00 each	Tk.	6·25
(c) Labour for watering ½ No. @ Tk. 25·00 each	Tk.	12·50
(d) Cost of sand for blinding 8 cft. @ Tk. 90·00 per % cft.	Tk.	7·20
(e) Labour for blinding ¼ No. @ Tk. 25·00 each	Tk.	6·25
(f) Hire charge of roller for compaction 1/10 day @ Tk. 400·00 per day.	Tk.	40·00
	Tk.	109·70
Contractor's Profit 10%	Tk.	10·97
	Tk.	120·67

Say, rate per hundred cubic foot = Tk. 121·00

Analysis for item No. 10 (a)

2" Compacted bitumenous carpeting. For 100 sft. of work.

A. Cost of materials.		
(i) Cost of shingles 21 cft. @ Tk. 1400·00 per % cft.	Tk.	294·00
(ii) Cost of bitumen 84 lbs. @ Tk. 9000·00 per ton.	Tk.	336·84
(iii) Cost of sand 4 cft. @ Tk. 400·00 per % cft.	Tk.	16·00
(iv) Fire wood L. S.	Tk.	70·00
	Tk.	716·84
Contractor's Profit 10%	Tk.	71·68
	Tk.	788·52
B. Labour charge.		
(i) Labour for heating & mixing of 21 cft. of shingle & 84 lbs. of bitumen 2 Nos. @ Tk. 25·00 each.	Tk.	50·00
(ii) Labour for brooming & cleaning the base ½ No. @ Tk. 25·00 each.	Tk.	12·50
	Tk.	62·50

Contd. item No. 10 (a) B. F. =	Tk.	62·50
(iii) Labour for spreading $\frac{1}{3}$ No. @ Tk. 25·00 each.	Tk.	12·50
(iv) Skilled labour for levelling & hand packing $\frac{1}{3}$ No. @ Tk. 30·00 each	Tk.	15·00
(v) Labour for sand blinding $\frac{1}{4}$ No. @ Tk. 25·00 each.	Tk.	6·25
(vi) Sundries T & P, L. S.	Tk.	9·00
	Tk.	105·25
Contractor's Profit 10%	Tk.	10·52
	Tk.	115·77

C. Hiring of roller 1/7 day @ Tk. 400·00 per day. = Tk. 57·14

Abstract of cost

A. Cost of materials	Tk.	788·52
B. Cost of Labour	Tk.	115·77
C. Hire charge of roller.	Tk.	57·14
	Tk.	961·43

Say, rate per hundred square foot = Tk. 961·00

Analysis for item No. 10 (b)

$1\frac{1}{2}$" Compacted bitumenous carpeting. For 100 sft. of work.

A. Cost of materials.			
(i) Cost of shingles 15·7 cft. @ Tk. 1400·00 per % cft.	Tk.	219·80
(ii) Cost of bitumen 63 lbs. @ Tk. 9000·00 per ton.	Tk.	252·63
(iii) Cost of sand 4 cft. @ Tk. 400·00 per % cft.	Tk.	16·00
(iv) Fire wood L. S.	Tk.	50·00
	Tk.	538·43
Contractor's Profit 10%	Tk.	53·84
	Tk.	592·27

B. Same as item No. 10 (a) Tk. 115·77

C. Same as item No. 10 (a) Tk. 57·14

Abstract of cost

A. Cost of materials	Tk.	592·27
B. Cost of labour	Tk.	115.77
C. Hire charge of roller	Tk.	57·14
	Tk.	765·18

Say, rate per hundred square foot = Tk. 765·00

Analysis for item No. 10 (c)

Cosidering 100 sft. of work.

A. Cost of materials.		
(i) Single 10·50 cft. @ Tk. 1400·00 per % cft.	Tk.	147·00
(ii) Cost of bitumen 10·50 × 4 = 42 lbs. @ Tk. 9000·00 per ton = Tk. 4·01 per lbs.	Tk.	168·42
	Tk.	315·42

Contd. item No. 10 (c)	B. F. =	Tk.	315·42
(iii) Cost of sand = 4·00 cft. @ 400·00 per % cft.		Tk.	16·00
(iv) Fire wood ... L. S.		Tk.	35·00
		Tk.	366·42
Contractor's Profit 10%		Tk.	36·64
		Tk.	403·06
B. Labour charge :—			
(i) Labour for heating and mixing of 10·50 cft. shingle & 42 lbs. of bitumen. Labour 1 No. @ Tk. 25·00 each.		Tk.	25·00
(ii) Labour for brooming & cleaning the base Labour ¼ No. @ Tk. 25·00 each.		Tk.	6·25
(iii) Labour for spreading Labour ¼ No. @ Tk. 25·00 each.		Tk.	6·25
(iv) Skilled labour for levelling & hand packing— Labour ⅕ No. @ Tk. 30·00 each.		Tk.	15·00
(v) Labour for sand blinding— Labour ¼ No. @ Tk. 25·00 each.		Tk.	6·25
(vi) Sundries and T & P. L. S.		Tk.	6·50
		Tk.	65·25
Contractor's Profit 10%		Tk.	6·52
		Tk.	71·77
C. Hire charge of Roller 1/7 th day per day. @ Tk. 400·00 = Tk. 57·14			

Abstract of cost

A. Cost of materials		Tk.	403·06
B. Labour charge		Tk.	71·77
C. Hire charge of roller		Tk.	57·14
		kT.	531·97

Say, rate per hundred square foot = Tk. 532·00

Analysis for item No. 11

Providing Tack cost @ 15 lbs. per 100 per sft. For 100 sft. of work.

A. Cost of materials.			
(i) Cost of 15 lbs. of bitumen @ Tk. 9000·00 per ton.		Tk.	60·15
(ii) Cost of fire wood L. S.		Tk.	9·00
		Tk.	69·15
Contractor's Profit 10%		Tk.	61·91
		Tk.	76·06
B. Labour :			
(i) Labour for heating & laying L. S.		Tk.	12·00
(ii) Sundries, T & P etc.		Tk.	3·50
		Tk.	15·50
Contractor's Profit 10%		Tk.	1.55
		Tk.	17·05

Contd. item No. 11

Abstract of cost

A. Cost of materials	Tk.	76·06
B. Labour	Tk.	17·05
	Tk.	93·11

Say, rate per hundred square foot = Tk. 93·00

Analysis for item No. 12

Providing seal coat & 15 lbs. of bitumen % sft. For 100 sft. of work.

A. Cost of materials.		
(i) Cost of bitumen 15 lbs. @ Tk. 9000·00 per ton.	Tk.	60·15
(ii) Cost of sand 3 cft. @ 400·00 per % cft.	Tk.	12·00
(iii) Cost of fire wood L. S.	Tk.	10·00
	Tk.	82·15
Contractor's Profit 10%	Tk.	8·21
	Tk.	90·36
B. Cost of labour :		
(i) Labour for heating laying L. S.	Tk.	12·00
(ii) Labour for spreading sand L. S.	Tk.	5·50
(iii) Sundries, T & P etc.	Tk.	4·50
	Tk.	22·00
Contractor's Profit 10%	Tk.	2·20
	Tk.	24·20

Abstract of cost

A. Cost of materials	Tk.	90·36
B. Cost of labour	Tk.	24·20
	Tk.	114·56

Say, rate per hundred square foot = Tk. 114·50

Analysis for item No. 13

Premixed bitumenous seal coat with 4 cft. of per gravel's % sft. For 100 sft. of work.

A. Cost of materials.		
(i) Cost of per gravels 4 cft. @ Tk. 1000·00 per % cft.	Tk.	40·00
(ii) Cost of bitumens 20 lbs. @ Tk. 9000·00 per ton.	Tk.	80·20
(iii) Cost of sand 3 cft. (F. M. -2·5) @ Tk. 900·00 per % cft.	Tk.	27·00
(iv) Cost of fire wood L. S.	Tk.	15·00
	Tk.	162·20
Contractor's Profit 10%	Tk.	16·22
	Tk.	178·42

Contd. item No. 13

B. Labour charge:—

(i) Labour for heating & mixing of 4 cft. of pea gravels with 20 lbs. of bitumen $\frac{1}{2}$ No. of labour @ Tk. 25·00 each.	Tk.	12·50
(ii) Labour for spreading $\frac{1}{4}$ No. @ Tk. 25·00 each.	Tk.	6·25
(iii) Mason for levelling & hand packing $\frac{1}{2}$ No. @ Tk. 50 00 each	Tk.	12·50
(iv) Labour for sand blinding L. S.	Tk.	3·00
(v) Sundries, T. & P. etc.	Tk.	5·00
	Tk.	39·25
Contractor's Profit 10%	Tk.	3·92
	Tk.	43·17

C. Hiring of roller 1/16 day @ Tk. 400·00 per day. Tk. 25·00

Abstract of cost

(i) Cost of materials.	Tk.	178·42
(ii) Cost of labour	Tk.	43·17
(iii) Hire charge of roller.	Tk.	25·00
	Tk.	246·59

Say, rate per hundred square foot = Tk. 246·00

MISCELLANEOUS ITEMS

Analysis for item No. 1

Earth work in excavation of tanks of any dimension.
For 1000 cft. of E/W.

(a) For initial lead of 100' and lift of 5'—0"

Ordinary labour 12½ Nos. @ Tk. 25·00 each.	Tk.	312·50
Contractor's Profit 10%	Tk.	31·25
	Tk.	343·75

Say, rate per thousand cubic foot = Tk. 344·00

(b) For each additional lift of one foot beyond 5'—0" and upto 10'—0". For 1000 cft. of E/W.

(i) Extra labour $\frac{1}{2}$ No. @ Tk. 25·00	Tk.	12·50
(ii) Add for possible bailing out of water.	Tk.	3·00
	Tk.	15·50
Contractor's Profit 10%	Tk.	1·55
	Tk.	17·05

Say, rate per thousand cubic foot = Tk. 17·00

Contd. item No. 1

(c) For each additional lift of one foot beyond 10'—0" and upto 15'—0". For 1000 cft. of E/W.

(i) Extra labour ¾ No. @ Tk. 25·00 each.	Tk.	18·75
(ii) Add for frequent bailing out of water which will be necessary.	Tk.	4·00
	Tk.	22·75
Contractor's Profit 10%	Tk.	2·27
	Tk.	25·02

Say. rate per thousand cubic foot = Tk. 25·00

(d) For each additional lift of one foot beyond 15'—0" and upto 20'—0". For 1000 cft. of earth work.

(i) Extra labour 1 No. @ Tk. 25·00	Tk.	25·00
(ii) Add for heavy bailing out of water which will be necessary.	Tk.	4·75
	Tk.	29·75
Contractor's Profit 10%	Tk.	2·97
	Tk.	32·72

Say, rate per thousand cubic foot = Tk. 33·00

(e) Extra each additional lead of 100'—0".
For 1000 cft. of earth work.

(i) Extra labonr 2 Nos. @ Tk. 25·00	Tk.	50·00
Contractor's Profit 10%	Tk.	5·00
	Tk.	55·00

Say, rate per thousand cubic foot = Tk. 55·00

E N D

ANALYSIS OF RATES FOR ITEMS OF SANITARY & WATER SUPPLY WORKS

Analysis for item No. 1 (a)

Supplying, fitting & fixing (Bangladeshi made) "SUPER" quality commode (white) "P" or "S" type (size 525 × 370 × 420mm)

(1) Cost of set (Super) white commode 3 gallon capacity low-down cistern with lid and black plastic seat with cover. (Tk. 1151·15 commode + Tk. 1337·10 cistern + Tk. 250·00 Black abonite seat with cover. heavy type.)	Tk.	2738·25
(2) Cost of internal fittings of low-down with bracket. such as ball cock, syphone, coupling and handle, washer etc.	Tk.	200·00
(3) ½" dia plastic connection pipe with nipple. 1 No. @ Tk. 22·00 each.	Tk.	22·00
(4) ½" dia best quality C. P. stop cock 1 No. @ Tk. 40·00 each.	Tk.	40·00
(5) Cost of cement, blocks, wirenet, screws etc. L. S.	Tk.	31·00
(6) Labour charge :—		
(i) Plumber 1 No. @ Tk. 60·00 each.	Tk.	60·00
(ii) Labour 1 No. @ Tk. 25·00 each.	Tk.	25·00
	Tk.	3116·25
Contractor's Profit 10%	Tk.	311·62
	Tk.	3427·87

Say, rate = Tk. 3428·00 each.

Analysis for item No. 1 (b)

Supplying, fitting & fixing (Bangladeshi made) "SUPER" quality commode (Coloured) 'P' or 'S' type (size 525 × 370 × 420 mm)

(1) Cost of set (Super) coloured commode 3 gallan capacity low-down cistern with lid and coloured plastic seat with cover. (Tk. 1381·40 commode + Tk. 1604·55 cistern + Tk. 259·00 Coloured abonite seat with cover heavy type)	Tk.	3244·95
(2) Same as item No. 1 (a) except (1)	Tk.	378·00
	Tk.	3622·95
Contractor's Profit 10%	Tk.	362·29
	Tk.	3985·24

Say, rate = Tk. 3985·00 each.

Analysis for item No. 2 (a)

Supplying, fitting & fixing (Bangladeshi made) "SUPER" quality Orissa type pan (white) with porcelain foot rest & syphone.

(1) Cost of pan (white) with procelain foot rest and syphone 1 No. @ Tk. 974·00 each.	Tk.	974·00
(2) Cost of wire net 4·25 sft. @ Tk. 6·00 per sft.	Tk.	25·50
(3) Cost of C. I. cistern, heavy type (3 gallon) with C. I. bracket (Tk. 315·00 + Tk. 35·00 bracket)	Tk.	350·00
(4) ½" Ball cock with plastic ball in/c. long thread brass cock and pulling chain (Tk. 25·00 + Tk. 5·00 chain.)	Tk.	30·00
	Tk.	1379·50

Contd. item No. 2 (a) B. F. =	Tk.	1379·50
(5) 1¼" dia PVC flush pipe with brass coupling (6'—0" long) 1 No. @ Tk. 35·00 each.	Tk.	35·00
(6) ½" dia plastic connection pipe with nipple 1 No. @ Tk. 20·00 each	Tk.	20·00
(7) ½" dia heavy type brass stop cock 1 No. @ Tk. 25·00 each.	Tk.	25·00
(8) Cost of cement ¼ bag @ Tk. 115·00 per bag	Tk.	28·75
(9) Cost of bricks = 25 Nos. @ Tk. 1·20 each.	Tk.	30·00
(10) Cost of sand, putty and jointing materials etc. L. S.	Tk.	10·00
(11) Labour charge :—		
(i) Plumber 1 No. @ Tk. 60·00 each.	Tk.	60·00
(ii) Labour 2 No. @ Tk. 25·00 each.	Tk.	50·00
	Tk.	1638·25
Contractor's Profit 10%	Tk.	163·82
	Tk.	1802·07

Say, rate = Tk. 1802·00 each.

Analysis for item No. 2 (b)

Supplying, fitting & fixing (Bangladeshi made) "SUPER" quality Orissa type pan (coloured) with porcelain foot rest & syphone.

(1) Cost of pan (coloured) with porcelain foot rest and syphone. 1 No. @ Tk. 1168·85 each.	Tk.	1168·85
(2) Same as item No. 2 (a) except (1)	Tk.	664·25
	Tk.	1833·10
Contractor's Profit 10%	Tk.	183·31
	Tk.	2016·41

Say, rate = Tk. 2016·00 each.

Analysis for item No. 3 (a)

Supplying, fitting & fixing (Bangladeshi made) "SUPER" quality (white) simple long pan "Tappered" (size 530 × 302 mm)

(1) Cost of porcelain (white) simple long pan "Tappered" 1 No. @ Tk. 379·50 each.	Tk.	379·50
(2) Cost of porcelain syphone ('P' or 'S' type) 1 No. @ Tk. 151·80 each.	Tk.	151·80
(3) Same as item No. 2 (a) except (1)	Tk.	664·25
	Tk.	1195·35
Contractor's Profit 10%	Tk.	119·55
	Tk.	1315·10

Say, rate = Tk. 1315·00 each.

Analysis for item No. 3 (b)

Supplying, fitting & fixing (Bangladeshi made) "Super" quality (coloured) simple long pan "Tappered" (size 530 × 302 mm)

(1) Cost of porcelain (coloured) simple long pan "Tappered" 1 No. @ Tk. 455·40 each.	Tk.	455·40
(2) Same as item No. 3 (a) except (1)	Tk.	816·05
	Tk.	1271·45

Contd. item No. 3 (b)	B. F. =	Tk.	1271·45
	Contractor's Profit 10%	Tk.	127·14
		Tk.	1398·59

Say, rate = Tk. 1399·00 each.

Analysis for item No. 3 (c)

Supplying, fitting & fixing (Bangladeshi made) "SUPER" quality (white) simple long pan (size 580 x 265 mm)

(1)	Cost of porcelain (white) simple long pan. 1 No. @ Tk. 346·50 each.	Tk.	346·50
(2)	Same as item No. 3 (a) except (1)	Tk.	816·05
		Tk.	1162·55
	Contractor's Profit 10%	Tk.	116·25
		Tk.	1278·80

Say, rate = Tk. 1279·00 each.

Analysis for item No. 3 (d)

Supplying, fitting & fixing (Bangladeshi made) "SUPER" quality (coloured) simple long pan (size 580 x 265 mm)

(1)	Cost of porcelain (coloured) simple long pan. 1 No. @ Tk. 415·80 each.	Tk.	415·80
(2)	Same as item No. 3 (a) except (1)	Tk.	816·05
		Tk.	1231·85
	Contractor's Profit 10%	Tk.	123·18
		Tk.	1355·03

Say, rate = Tk. 1355·00 each.

Analysis for item No. 4 (a)

Supplying, fitting & fixing (Bangladeshi made) "SUPER" quality (white) porcelain foot. rest (size 265 x 135 x 30 mm each pair)

(1)	Cost of porcelain foot rest (white) 1 No. @ Tk. 107·55 each.	Tk	107·55
(2)	Cost of coment, sand etc. for setting foot rest L. S.	Tk.	5·00
(3)	Labour chaye for fitting fixing L. S.	Tk.	7·00
		Tk.	119·55
	Contractor's Profit 10%	Tk.	11·95
		Tk.	131·50

Say, rate = Tk. 131·50 per pair.

Analysis for item No. 4 (b)

Supplying, fitting & fixing (Bangladeshi made) "SUPER" quality (coloured) porcelain foot rest (size 265 x 135 x 30 mm each pair)

(1)	Cost of porcelain foot rest (coloured) 1 No. @ Tk. 129·05 each.	Tk.	129·05
(2)	Same as item No. 4 (a) except (1)	Tk.	12·00
		Tk.	141·05

Contd. item No. 4	B. F. =	Tk.	141·05
	Contractor's Profit 10%	Tk.	14·10
		Tk.	155·15

Say, rate = Tk. 155·00 per pair

Analysis for item No. 5 (a)

Supplying, fitting & fixing (Bangladeshi made) "SUPER" quality W. H. Basin (white) (size 565×410 mm)

(1)	Cost of W. H. Basin (white) 1 No. @ Tk. 740·00 each.	Tk.	740·00
(2)	½" dia. C. P. pillar cock 1 No. @ Tk. 45·00 each.	Tk.	45·00
(3)	Cost of C. I. bracket 1 pair @ Tk. 35·00 per pair.	Tk.	35·00
(4)	1¼" dia. PVC waste water pipe with brass coupling (2'—6" long) 1 No. @ Tk. 25·00 each.	Tk.	25·00
(5)	½" dia. brass stop cock with nipple 1 No. @ Tk. 25·00 each	Tk.	25·00
(6)	½" dia. plastic connection pipe with nipple 1 No. @ Tk. 20·00 each.	Tk.	20·00
(7)	C. P. chain with plug 1 No. @ Tk. 10·00 each.	Tk.	10·00
(8)	C. P. Basin waste with brass coupling 1 No. @ Tk. 35·00 each.	Tk.	35·00
(9)	Cost of cement, sand, block, screw, nails, leather and putty etc. L. S.	Tk.	15·00
(10)	Labour charge :—		
	(i) Plumber 1 No. @ Tk. 60·00 each.	Tk.	60·00
	(ii) Labour 1 No. @ Tk. 25·00 each.	Tk.	25·00
		Tk.	1035·00
	Contractor's Profit 10%	Tk.	103·50
		Tk.	1138·50

Say, rate = Tk. 1138·00 each.

Analysis for item No. 5 (b)

Supplying, fitting & fixing (Bangladeshi made) "SUPER" quality W. H. Basin (coloured) (size 565 × 410 mm)

(1)	Cost of W. H. Basin (coloured) 1 No. @ Tk. 888·00 each.	Tk.	888·00
(2)	Same as item No. 5 (a) except (1)	Tk.	295·00
		Tk.	1183·00
	Contractor's Profit 10%	Tk.	118·30
		Tk.	1301·30

Say, rate = Tk. 1301·00 each.

Analysis for item No. 6 (a)

Supplying, fitting & fixing (Bangladeshi made) "SUPER" quality pedestal (white) (size 600 × 220 × 210 mm)

(1)	Cost of porcelain pedestal (white) 1 No. @ Tk. 814·05 each	Tk.	814·05
(2)	Labour charge for fitting fixing L. S.	Tk.	5·00
		Tk.	819·05
	Contractor's Profit 10%	Tk.	81·90
		Tk.	900.95

Say, rate = Tk. 901·00 each.

Analysis for item No. 6 (b)

Supplying, fitting & fixing (Bangladeshi made) "SUPER" quality pedestal (coloured) (size 600×220×210 mm)

(1)	Cost of porcelain pedestal (coloured) 1 No. @ Tk. 976·80 each	Tk.	976·80
(2)	Labour charge for fitting fixing L. S.	Tk.	5·00
		Tk.	981·80
	Contractor's Profit 10%	Tk.	98·18
		Tk.	1079·98

Say, rate = Tk. 1080·00 each.

Analysis for item No. 7 (a)

Supplying, fitting & fixing (Bangladeshi made) "SUPER" quality standing Urinal (white) (size 497×384 mm)

(1)	Cost of porcelain standing urinal (white) 1 No. @ Tk. 607·20 each.	Tk.	607·20
(2)	$\frac{1}{2}$" dia plastic connection pipe with nipple 1 No. @ Tk. 20·00 each.	Tk.	20·00
(3)	$\frac{1}{2}$" dia brass stop cock 1 No. @ Tk. 25·00 each.	Tk.	25·00
(4)	$1\frac{1}{4}$" dia PVC waste water pipe with brass coupling (2'—6" long) 1 No. @ Tk. 25·00 each.	Tk.	25·00
(5)	Cost of cement, sand, blocks nails, putty, clamp etc L. S.	Tk.	1 5·00
(6)	Labour charge :—		
	(i) Plumber 1 No. @ Tk. 60·00 each.	Tk.	60·00
	(ii) Labour 1 No. @ Tk. 25·00 each.	Tk.	25·00
		Tk.	777·20
	Contractor's Profit 10%	Tk.	77·72
		Tk.	854·92

Say, rate = Tk. 855·00 each.

Analysis for item No. 7 (b)

Supplying, fitting & fixing (Bangladeshi made) "SUPER" quality standing Urinal (coloured) (size 497×384 mm)

(1)	Cost of porcelain stanping urinl (coloured) 1 No. @ Tk. 728·65 each.	Tk.	728·65
(2)	Same as item No. 7 (a) except (1)	Tk.	170·00
		Tk.	898·65
	Contractor's Profit 10%	Tk.	89·86
		Tk.	988·51

Say, rate = Tk. 988·00 each.

Analysis for item No. 8 (a)

Supplying, fitting & fixing (Bangladeshi made) "SUPER" quality flat or squatting Urinal (white) (size 597×355 mm)

(1)	Cost of porbelain flat Urinal (white) 1 No. @ Tk. 904·50 each.	Tk.	904·50

Cond. item No. 8 (a) B. F. =	Tk.	904·50
(2) Cost of C. I. automatic cistern (one gallon capacity) 1 No. @ Tk. 325·00 each.	Tk.	325·00
(3) 1¼" dia PVC flush pipe with brass coupling 1 No. @ Tk. 35·00 each.	Tk.	35·00
(4) ½" dia plastic connection pipe with nipple 1 No. @ Tk. 20·00 each.	Tk.	20·00
(5) ½" dia brass stop cock 1 No. @ Tk. 25·00 each.	Tk.	25·00
(6) Cost of cement, bricks, sand, block, nails, putty and jointing materials etc. L. S.	Tk.	35·00
(7) Labour charge. :—		
(i) Plumber 1 No. @ Tk. 60.00 each.	Tk.	60·00
(ii) Labour 1 No. @ Tk. 25·00 each.	Tk.	25·00
	Tk.	1429·50
Contractor's Profit 10%	Tk.	142·95
	Tk.	1572·45

Say, rate = Tk. 1572·00 each.

Analysis for item No. 8 (b)

Supplying, fiitting & fixing (Bangladeshi made) "SUPER" quality flat or squatting Urinal (coloured) (size 597 × 355 mm)

(1) Cost of porcelain flat urinal (coloured) 1 No. @ Tk. 1085·40 each.	Tk.	1085·40
(2) Same as item No. 8 (a; except (1)	Tk.	525·00
	Tk.	1610·40
Contractor's Profit 10%	Tk.	161·04
	Tk.	1771·44

Say; rate = Tk. 1771·00 each.

Analysis for item No. 9 (a)

Supplying, fitting & fixing (Bangladeshi made) "SUPER" quality porcelain sink (white) (size 508 × 381 × 279 mm)

(1) Cost of porcelain sink (white) 1 No. @ Tk. 1182·80 each.	Tk.	1182·80
(2) Cost of C. I. bracket (heavy type) 1 pair @ Tk. 75·00 per pair	Tk.	75·00
(3) 1½" dia C. P. waste with brass coupling in/c C. P. chain with plug 1 set @ Tk. 85·00 each.	Tk.	85·00
(4) 1½" dia PVC waste water pipe with brass coupling 1 No. @ Tk. 40·00 each.	Tk.	40·00
(5) ½" dia C. P. bib cock 1 No. @ Tk. 35·00 each.	Tk.	35·00
(6) ½" dia G. I. socket, elbow etc L. S.	Tk.	20·00
(7) Cost of cement, sand, block, screws,putty, sundries etc L. S.	Tk.	15·00
(8) Labour charge :—		
(i) Plumber ½ No. @ Tk. 60·00 each.	Tk.	30·00
(ii) Labour ½ No. @ Tk. 25·00 each.	Tk.	12·50
	Tk.	1495·30
Contractor's Profit 10%	Tk.	149·53
	Tk.	1644·83

Say, rate = Tk. 1645·00 each.

Analysis for item No. 9 (b)

Supplying, fitting & fixing (Bangladeshi made) "SUPER" quality porcelain sink (coloured) (size 508×381×279 mm)

(1) Cost of porcelain sink (coloured) 1 No. @ Tk. 1419·35 each.	Tk.	1419·35
(2) Same as item No. 9 (a) except (1)	Tk.	312·50
	Tk.	1731·85
Contractor's Profit 10%	Tk.	173·18
	Tk.	1905·03

Say, rate = Tk. 1905·00 each.

Analysis for item No. 10

Supplying fitting and fixing 24"×5" plate glass shelf.

1. Cost. of glass shelf with frame and brackets 1 No. @ Tk. 60·00 each	Tk.	60·00
2. Labour charge L. S.	Tk.	15·00
3. Screws, cement, blocks etc. L. S.	Tk.	7·00
	Tk.	82·00
Contractor's Profit 10%	Tk.	8·20
	Tk.	90·20

Say, rate = Tk. 90·00 each

Analysis for item No. 11

Supplying, fitting and fixing C. P. towel rail of 24"×$\frac{3}{4}$" size.

1. Towel rail 1 No. @ Tk. 70·00 each	Tk.	70·00
2. Screws, blocks, cement, sand etc. L. S.	Tk.	10·00
3. Labour charge :— $\frac{1}{4}$ No. @ Tk. 25·00 each	Tk.	6·25
	Tk.	86·25
Contractor's Profit 10%	Tk.	8·62
	Tk.	94·87

Say, rate = Tk. 95·00 each

Analysis for item No. 12

Supplying, fitting & fixing Belgium mirror 18"×12"

1. 18"×12" mirror 1 No. @ Tk. 70·00 each.	Tk.	70·00
2. Hard Board L. S.	Tk.	6·00
3. Screws, cement, sand blocks, labour etc. L. S.	Tk.	15·00
	Tk.	91·00
Contractor's Profit 10%	Tk.	9·10
	Tk.	100·10

Say, rate = Tk. 100·00 each.

Analysis for item No. 13 (a)

Supplying, fitting and fixing 4" dia H. C. I. soil pipe.
Taking 18'—0" as 1 unit (Required for one storied building).

1.	Cost of pipe 18'—0" @ Tk. 300·00 per piece of 6'—0"	Tk.	900·00
2.	B. D. junction 1 No @ 110·00 each.	Tk.	110·00
3.	Plain bend 1 No. @ Tk. 90·00 each.	Tk.	90·00
4.	4" dia cowel 1 No. @ Tk. 25·00 each.	Tk.	25·00
5.	Extra B. D. bend 1 No. @ Tk. 105·00 each.	Tk.	105·00
6.	Cost of cement concrete, gaskit, cement mortar, bricks, clamps, scaffolding etc.	Tk.	70·00
7.	Labour charge :—		
	(i) Plumber 1 No. @ Tk. 60·00 each.	Tk.	60·00
	(ii) Labour 2 Nos. @ Tk. 25·00 each.	Tk.	50·00
		Tk.	1410·00
	Contractor's Profit 10%	Tk.	141·00
		Tk.	1551·00

$$\text{Rate per rft} = \text{Tk. } \frac{1551{\cdot}00}{18} = \text{Tk. } 86{\cdot}16$$

Say, rate per running foot = Tk. 86·00

Analysis for item No. 13 (b)

Supplying, fitting and fixing 2" dia H. C. I. Ventilation pipe.
Taking 12 rft.

1.	Cost of pipe 12'—0" @ Tk. 170·00 per piece of 6'—0"	Tk.	340·00
2.	2" dia cowel 1 Nos. @ Tk. 20·00 each.	Tk.	20·00
3.	2" qend 2 Nos. @ Tk. 30·00 each.	Tk.	30·00
4.	Cement concrete, cost of gaskit, cement, sand, blocks, clamps, scaffolding etc.	Tk.	60·00
5.	Labour charge :— (i) Plumber $\frac{3}{4}$ No. @ Tk. 60·00 each	Tk.	45·00
	(ii) Labour $\frac{1}{2}$ No. @ Tk. 25·00	Tk.	12·50
		Tk.	507·50
	Contractor's rofit 10%	Tk.	50·75
		Tk.	558·25

$$\text{Rate per rft.} = \text{Tk. } \frac{558{\cdot}25}{12} = \text{Tk. } 46{\cdot}52$$

Say, rate per running foot = Tk. 46·50

Analysis for item No. 14 (a)

Supplying, fitting fixing 4" dia Asbestos soil pipe.
Taking 12·00 rft. as 1 unit (required for one storied Building)

1.	Cost of pipe IPC of 12 rft. @ Tk. 310·00 per P. C.	Tk.	310·00
2.	B. D. junction 1 No. @ Tk. 74·00 each.	Tk.	74·00
3.	Bend 2 PC @ Tk. 45·00 each.	Tk.	90·00
4.	Cowel (C. I.) 1 No. @ Tk. 30·00 each.	Tk.	30·00
5.	Cost of gaskit, cement, block, clamp, cement concrete. L. S.	Tk.	65·00
		Tk.	569·00

Contd. item No. 13 (b)	B. F. =	Tk.	569·00
6. Labour charge :— (i) Plumber 1 No. @ Tk. 60·00 each.		Tk.	60·00
(ii) Helper 1 No. @ Tk. 25·00 each.		Tk.	25·00
		Tk	654·00
Contractor's Profit 10%		Tk.	65·40
		Tk.	719·40

$$\text{Cost per rft.} = \frac{719{\cdot}40}{12} = 59{\cdot}95$$

Say, rate per running foot = Tk. 60·00

Analysis for item No. 14 (b)

Supplying, fitting & fixing 3" dia Asbestos Ventilation pipe.
Taking 9 rft.

1. Cost of pipe IPC of 9 rft. @ Tk. 210·00 per piece.	Tk.	210·00
2. 3" dia cowel (C. I.) 1 No. @ Tk. 20·00 each.	Tk.	20·00
3. 3" dia bend 2 Nos. @ Tk. 30·00 each.	Tk.	60·00
4. Cost of cement, gaskit, blocks, clamps, cement concrete, scaffolding etc, L. S.	Tk.	50·00
5. Labour charge :— (i) Plumber $\frac{3}{4}$ No. @ Tk. 60·00 each.	Tk.	45·00
(ii) Labour $\frac{1}{2}$ No. @ Tk. 25·00 each.	Tk.	12·50
	Tk.	397·50
Contractor's Profit 10%	Tk.	39·75
	Tk.	437·25

$$\text{Cost per rft.} = \text{Tk. } \frac{437{\cdot}25}{9} = \text{Tk. } 48{\cdot}58$$

Say, rate per running foot = Tk. 49·00

Analysis for item No. 15

Supplying, fitting and fixing and laying 6" dia R.C.C. pipe. For 1 rft.

1. Cost of pipe 1 rft. @ Tk. 14·00 per rft.	Tk.	14·00
2. Cost of cement concrete 1'—3" × 1'—0" × 0'—4" = 0·42 cft. @ Tk. 3400·00 per % cft.	Tk.	14·28
3. Cost of Labour for earth cutting 1'—3" × 1'—0" × 2' 6" = 3·12 cft. @ Tk. 371·00 per % cft.	Tk.	1·15
4. Labour for fitting and fixing including cost of gaskit, cement mortar etc.	Tk.	3·60
5. Soling 1'—3" × 1'— 0" = 1·25 sft. @ Tk. 457·00 per % sft.	Tk.	5·71
	Tk.	38·74
Contractor's Profit 10% except item No. 2, 3 & 5.	Tk.	1·76
	Tk.	40·50

Say, rate per running foot = Tk. 40·50

Analysis for item No. 16

Supplying, fitting and fixing 5" dia C. I. grating in traps or in drains.

1. Cost of grating 1 No. @ Tk. 7·00 each.	Tk.	7·00
2. Labour for fitting including cement and sand etc.	Tk.	3·50
	Tk.	10·50

Contd. item No. 16	B. F. =	Tk.	10·50
	Contractor's Profit 10%	Tk.	1·05
		Tk.	11·55

Say, rate = Tk. 12·00 each.

Analysis for item No. 17

Supplying, fitting & fixing 4" dia traps.

1. Cost of C. I. trap 1 No. @ Tk. 120·00 each.	Tk.	120·00
2. Cost of cement, chips, sand, gaskit etc.	Tk	20·00
3. Cost of labour, plumber ½ No. @ Tk. 35·00 each.	Tk.	17·50
	Tk.	157·50
Contractor's Profit 10%	Tk.	15·75
	Tk.	173·25

Say, rate = Tk. 173·00

Analysis for item No 18

Supplying, fitting and fixing of G. I. pipe.

(a) For 2" dia G. I. pipe. Taking 1 rft.

1. Cost of 2" dia pipe 1 rft. @ Tk. 39·00 per rft.	Tk.	39·00
2. Cost of fittings L. S.	Tk.	3·00
3. Cost of labour including earth cutting, floor cutting and mending good the damages etc L. S.	Tk.	3·50
	Tk.	45·50
Contractor's Profit 10%	Tk.	4·55
	Tk.	50·05

Say, rate per running foot = Tk. 50·00

(b) For 1½" dia G. I. pipe. Taking 1 rft.

1. Cost of 1½" dia pipe 1 rft. @ Tk. 29·00 per rft.	Tk.	29·00
2. Cost of fitting L. S.	Tk.	3·00
3. Labour including cost of earth cutting, floor cutting, mending good the damages etc. L. S.	Tk.	3·25
	Tk.	35·25
Contractor's Profit 10%	Tk.	3·52
	Tk.	38·77

Say, rate per running foot = Tk. 38·80

(c) For 1¼" dia G. I. pipe. Taking 1 rft.

1. Cost of 1 rft. @ Tk. 27·00 per rft.	Tk.	27·00
2. Cost of fitting L. S.	Tk.	3·25
3. Labour including cost of cutting trenches, walls, floors and mending good the damages. etc. L. S.	Tk.	3·00
	Tk.	33·25
Contractor's Profit 10%	Tk.	3·32
	Tk.	36·57

Say, rate per running foot = Tk. 36·60

(d) For 1" dia G. I. pipe. Taking 1 rft.

1. Cost of pipe 1 rft.	@ Tk. 21·25 per rft.	Tk.	21·25
2. Cost of fittings etc. L. S.		Tk.	2·50
3. Labour including cost of cutting trenches, walls, floors & mending good the damages etc. L. S.		Tk.	2·50
		Tk.	26·25
	Contractor's Profit 10%	Tk.	2·62
		Tk.	28·87

Say, rate per running foot = Tk. 28·90

(e) For ¾" dia G. I. pipe—Taking 1 rft.

1. Cost of pipe 1 rft.	@ Tk. 15·75 per rft.	Tk.	15·75
2. Cost of fittings L. S.		Tk.	3·50
3. Labour including cost of cutting trenches, walls, floors & mending good the damages etc. L. S.		Tk.	2·50
		Tk.	21·75
	Contractor's Profit 10%	Tk.	2·17
		Tk.	23·92

Say, rate per running foot = Tk. 23·90

(f) For ½" dia G. I. pipe. Taking 1 rft.

1. Cost of pipe 1 rft.	@ Tk. 10·50 per rft.	Tk.	10·50
2. Cost of fittings L. S.		Tk.	4·50
3. Cost of labour including cutting trenches, walls, floors & mending good the damages etc. L. S.		Tk.	2·50
		Tk.	17·50
	Contractor's Profit 10%	Tk.	1·75
		Tk.	19·25

Say, rate per running foot = Tk. 19·25

Analysis for item No. 19

Supplying, fitting and fixing best quality and heavy type ½" dia Bib cock.

(a) Brass bib cock.

1. Cost of cock 1 No.	@ Tk. 25·00 each.	Tk.	25·00
2. Cost of fitting L. S.		Tk.	2·25
		Tk.	27·25
	Contractor's Profit 10%	Tk.	2·72
		Tk.	29·97

Say, rate = Tk. 30·00 each.

(b) C. P. Bib cock.

1. Cost of cock 1 No.	@ Tk. 35·00 each.	Tk.	35·00
2. Cost of Labour L. S.		Tk.	2·25
		Tk.	37·25
	Contractor's Profit 10%	Tk.	3·72
		Tk.	40·97

Say, rate = Tk. 41·00 each.

(c) (i) Cost of ½" dia plastic bib cock special type with heavy iron thread 1 No. @ Tk. 10·00 each.	Tk.	10·00
(ii) Cost of labour for fittings L. S.	Tk.	1·50
	Tk.	11·50
Contractor's Profit 10%	Tk.	1·15
	Tk.	12·65
Say, rate = Tk. 13·00 each.		
(d) (i) Cost of ¾" dia plastic bib cock special type with heavy iron thread 1 No. @ Tk. 14·00 each.	Tk.	14·00
(ii) Cost of labour for fitting L. S.	Tk.	1·50
	Tk.	15·50
Contractor's Profit 10%	Tk.	1·55
	Tk.	17·05
Say, rate = Tk. 17·00 each.		
(e) (i) Cost of plastic pillar cock special type with heavy iron thread 1 No. @ Tk. 18·00 each.	Tk.	18·00
(ii) Cost of labour for fitting L. S.	TT	2·00
	Tk.	20·00
Contractor's Profit 10%	Tk.	2·00
	Tk.	22·00
Say, rate = Tk. 22·00 each.		

Analysis for item No. 20

Supplying, fitting and fixing best quality stop cock.

(a) (i) For ¾" dia brass stop cock.		
1. Cost of cock 1 No. @ Tk. 35·00 each.	Tk.	35·00
2. Cost of labour for fitting L. S.	Tk.	2·50
	Tk.	37·50
Contractor's Profit 10%	Tk.	3·75
	Tk.	41·25
Say, rate = Tk. 41·00 each.		
(b) (ii) For ½" dia brass stop cock.		
1. Cost of cock 1 No. @ Tk. 25·00 each.	Tk.	25·00
2. Cost of labour for fitting L. S.	Tk.	2·50
	Tk.	27·50
Contractor's Profit 10%	Tk.	2·75
	Tk.	30·25
Say rate = Tk. 30·00 each.		
(c) (i) For ¾" dia C. P. stop cock.		
1. Cost of cock 1 No. @ Tk. 50·00 each.	Tk.	50·00
2. Cost of labour L. S.	Tk.	2·50
	Tk.	52·50
Contractor's Profit 10%	Tk.	5·25
	Tk.	57·75
Say, rate = Tk. 58·00		

(d) (ii) For ½" dia C. P. stop cock:

1. Cost of cock. 1 No.	@ Tk. 40·00 each.	Tk.	40·00
2. Cost of labour	L. S.	Tk.	2·50
		Tk.	42·50
	Contractor's Profit 10%	Tk.	4·25
		Tk.	46·75

Say, rate = Tk. 47·00

(e) (i) For ½" dia C. P. pillar cock.

1. Cost of pillar cock 1 No.	@ Tk. 45·00	Tk.	45·00
2. Cost of labour	L. S.	Tk.	2·00
		Tk.	47·00
	Contractor's Profit 10%	Tk.	4·70
		Tk.	51·70

Say, rate = Tk. 51·50 each.

Analysis for item No. 21

Supplying, fitting & fixing best quality G. M. Peet valve.

(a) For 2" dia valve.

1. Cost of valve 1 No.	@ Tk. 140·00 each.	Tk.	140·00
2. Cost of labour	L. S.	Tk.	12·00
		Tk.	152·00
	Contractor's Profit 10%	Tk.	15·20
		Tk.	167·20

Say, rate = Tk. 167·00 each.

(b) For 1½" dia valve.

1. Cost of valve 1 No.	@ Tk. 75·00 each.	Tk.	75·00
2. Cost of labour	L. S.	Tk.	12·00
		Tk.	87·00
	Contractor's Profit 10%	Tk.	8·70
		Tk.	95·70

Say, rate = Tk. 96·00 each.

(c) For 1¼" dia valve.

1. Cost of valve 1 No.	@ Tk. 65·00 each.	Tk.	65·00
2. Cost of labour	L. S.	Tk.	12·00
		Tk.	77·00
	Contractor's Profit 10%	Tk.	7·70
		Tk.	84·70

Say, rate = Tk. 85·00 each.

(d) For 1" dia valve.

1. Cost of valve 1 No.	@ Tk. 45·00 each.	Tk.	45·00
2. Cost of labour	L. S.	Tk.	12·00
		Tk.	57·00
	Contractor's Profit 10%	Tk.	5·70
		Tk.	62·70

Say, rate = Tk. 63·00 each.

(e) For ¾" dia valve.

1. Cost of valve 1 No.	@ Tk. 40·00 each.	Tk.	40·00
2. Cost of labour	L. S.	Tk.	12·00
		Tk.	52·00
	Contractor's Profit 10%	Tk.	5·20
		Tk.	57·20

Say, rate = Tk. 57·00 each

(f) For ½" dia valve.

1. Cost of valve 1 No.	@ Tk. 27·00 each.	Tk.	27·00
2. Cost of labour	L. S.	Tk.	12·00
		Tk.	39·00
	Contractor's Profit 10%	Tk.	3·90
		Tk.	42·90

Say, rate = Tk. 43·00 each

Analysis for item No. 22

(a) Supplying, fitting & fixing 5" dia C. P. shower rose.

1. Cost of shower 1 No.	@ Tk. 45·00 each.	Tk.	45·00
2. Cost of labour	L. S.	Tk.	2·00
		Tk.	47·00
	Contractor's Profit 10%	Tk.	4·70
		Tk.	51·70

Say, rate = Tk. 52·00 each.

Analysis for item No. 23 (a)

(a) Supplying, fitting and fixing 4' × 4' × 4' size 16 B. W. G. G. I. over head tank of 400 gallon capacity.

1. Cost of tank 1 No.	@ Tk. 3000·00 each.	Tk.	3000·00
2. Cost of painting 6 × 16 sft. = 96 sft.	@ Tk. 255·00 per % sft.	Tk.	244·80
3. Cost of 1½" dia ball cock 1 No.	@ Tk. 95·00 each.	Tk.	95·00
4. Cost of over flow pipe ½" dia with jamnuts	L. S.	Tk.	52·00
5. Labour for lifting	L. S.	Tk.	56·00
6. Labour for fitting & fixing	L. S.	Tk.	55·00
7. Cost of other small fittings including outlet pipe and flanges	L. S.	Tk.	65·00
		Tk.	3567·80
	Contractor's Profit 10% except (2)	Tk.	332·30
		Tk.	3900·10

Say, rate = Tk. 3900·00 each.

Analysis for item No. 23 (b)

Supplying, fitting & fixing 4′ × 4′ × 4′ size 18 BWG G. I. over head tank of 400 gallon capacity.

1.	Cost of 18 BWG G. I. tank 1 No. @ Tk. 2500·00 each	Tk.	2500·00
2.	Cost of painting 96 sft. @ Tk. 255·00 per % sft.	Tk.	244·80
3.	Cost of 1½″ dia ball cock 1 No. @ Tk. 95·00 each.	Tk.	95·00
4.	Cost of ½″ dia over flow pipe with junouts L. S.	Tk.	52·00
5.	Labour for lifting L. S.	Tk.	56·00
6.	Labour for fitting & fixing L. S.	Tk.	55·00
7.	Cost of other small fittings including flanges L. S.	Tk.	65·00
		Tk.	3067·80
	Contractor's Profit 10% except (2)	Tk.	282·30
		Tk.	3,350·10

Say, rate = Tk. 3350·00

Analysis for item No. 24 (a)

(a) Construction of Masonry Inspection pits.

1.	Earth works 4′—0″ × 4′—0″ × 2′—5″ = 40 cft. @ Tk. 371·00 per % cft.	Tk.	14·84
2.	Soling 3′—8″ × 3′—8″ = 13·39 sft. @ Tk. 457·00 per % sft.	Tk.	61·19
3.	Base concrete 0′—4″ × 3′—8″ × 3′—8″ = 4·42 cft. Add for invert 2 × 2′—0″ × 0′—9″ × 0′—3″ av.—0·75 cft. 5·17 cft. @ Tk. 34·00 per cft.	Tk.	175·78
4.	Brick work 2 (3′—8″ × 1′- 9″ × 0′—10″) +2 (2′—0″ × 1′—9″ (av.) × 0′— 10″) = 16·50 cft. @ Tk. 25·83 per cft.	Tk.	426·19
5.	Top slab. 3′—8″ × 3′—8″ × 0′—4″ = 4·42 cft. @ Tk. 59·30 per cft.	Tk.	262.10
6.	¼″ dia reinforcement 2 × 7 × 3′—9″ = 52·50 rft. = 8·76 lbs. @ Tk. 790·00 per cwt.	Tk.	61·02
7.	Plastering and N. C. F. 4 × 1′—9″ × 2′—0″ + 2′—0″ × 2′—0″ = 18 sft. @ Tk. 4·22 per cft.	Tk.	75·96
8.	Extra labour for making invert channel L. S.	Tk.	20·00
		Tk.	1097·68

Say, rate = Tk. 1098·00 each.

Analysis for item No. 24 (b)

Construction of masonry Inspection pit with C. I. Man Hole cover.

1.	Earth work 4′ × 4′ × 2½″ = 40 cft. @ Tk. 371·00 per % cft.	Tk.	14·84
2.	Soling 3′—8″ × 3′—8″ = 13·39 sft. @ Tk. 457·00 per % sft.	Tk.	61·19
3.	Base concrete 0′—4″ × 3′—8″ × 3′—8″ = 4·42 cft. Add invert 2 × 2′—0″ × 0′—9″ × 0′—3″ = 0·75 cft. 5·17 cft. @ Tk. 34·00 per cft.	Tk.	175·78
		Tk.	251·81

Contd. item No. 24 (b) B. F. = Tk. 251·81

4. Brick work 2 (3′—8″ × 1′—9″ × 0′—10″) + 2 (2′—0″ × 1′—9″ × 0′—10″) = 16·50 cft.
@ Tk. 25·83 per cft. Tk. 426·19

5. Top slab. 3′—8″ × 3′—8″ × 0′—4″ = 4·42 cft.
@ Tk. 59·30 per cft. Tk. 262·10

6. ½″ dia reinforcement 2 × 7 × 3′—9″ = 52·50 rft. = 8·76 lbs.
@ Tk. 790·00 per cwt. Tk. 61·62

7. Plastering & N. C. F. 4 × 1′—9″ × 2′—0″ = 18 sft.
@ Tk. 4·22 per sft. Tk. 75·95

8. 18″ dia 2½″ thick heavy type locking C. I. Manhole cover 1 No.
@ Tk. 180·00 each. Tk. 180·00

9. Extra labour of making invert channel and fitting, fixing of C. I. Manhole cover. Tk. 25·00

Tk. 1282·68

Say, rate = Tk. 1283·00 each.

Analysis for item No. 25

Painting C. I. Cistern with anticorrosive paint of approved colour. (Av. size 1′—6″ × 1′—0″ × 9″).

Area of painting :—

2 × 1′—6″ × 1′—0″ + 2 × 1′—0′ × 9″ + 2 × 1′—6″ × 9″ = 6·75 sft.
@ Tk. 2·55 per sft. Tk. 17.21

Say, rate = Tk 17·00 each.

Analysis for item No. 26

Painting H. C. I. pipes 2 coats (2″ to 4″ dia av. 3″ dia) with anticorrosive paint of approved colour over a coat of priming. For 1 rft.

Surface area = $\frac{22}{7} \times \frac{3}{12} \times 1 = 0{\cdot}786$ sft. @ Tk. 2·55 per sft. Tk. 2·00

Say, rate per running foot = Tk. 2·00

Analysis for item No. 27

Painting G. I. pipes (3″ to ½″ dia) with approved paint over a coat of priming (av. 2″ dia). For 1 rft.

For 1 rft.

Surface area = $\frac{22}{7} \times \frac{2}{12} \times 1 = 0{\cdot}52$ sft. @ Tk. 2·55 per sft. Tk. 1·32

Say, rate = Tk. 1·30

Analysis for item No. 28

Construction of Septic Tank.

(a) For 200 Users :—

1. Earth work : 26′—1″ × 10′—2″ × 7′—3″ = 1923 cft.
@ Tk. 371·00 per % cft. Tk. 713·43

2. One layer brick flat soling.
26′—1″ × 10′—2″ = 265 sft. @ Tk. 457·00 per % sft. Tk. 1211·05

Tk. 1924·48

		Tk.	1924·48
Contd. item No. 28			
3.	6" c. c. (4 : 2 : 1) flooring. 26'—1" × 10'– 2" × 6" = 133·5 cft. @ Tk. 45·65 per cft.	Tk.	6094·27
4.	Brick work (6 : 1) 7'–2" × 10" × (22'—9" × 6'—10") × 2 + 5'– 4" × 5" (24'—0" + 8'—1") × 2 × 2' – 10" × 5" × (24'—10" + 8'—11") × 2 = 352 + 144 + 80 = 576 cft. @ Tk. 2330·00 per % cft.	Tk.	13420·80
5.	5" thick brick works with holes (6 : 1). 7'—2" × 6' × 2 = 86 sft. @ Tk. 1105·00 per % sft.	Tk.	950·30
6.	¾" plastering (4 : 1) with N. C. F. 7'—2" × (6'—0' × 6 + 6' × 2 + 11'—7" × 2 + 3' – 6" × 2) =560 sft. @ Tk. 4·22 per sft.	Tk.	2363·20
7.	1" thick patent stone flooring with neat cement finishing. 6' × 6' + 11'—7" × 6' + 6' × 3'—6" = 126·5 sft. @ Tk. 511·00 per % sft.	Tk.	646·41
8.	R. C. C. Tees 2 Nos. @ Tk. 40·00 each.	Tk.	80·00
9.	4" thick R. C. C. slab (4 : 2 : 1). 23'—7" × 7' – 8" × 4" = 60·03 cft. @ Tk. 59·30 per cft.	Tk.	3559·77
10.	1% M. S. Rod 0·6003 cft. = 295 lbs. = 2·635 cwt. @ Tk. 790·00 per cwt.	Tk.	2081·65
11.	Providing 18" dia water sealed heavy type C. I. Manhole cover. With locking arrangement including making hole. 3 Nos. @ Tk. 184·00 each.	Tk.	540·00
		Tk.	31660·88
	Say, rate for 200 Users = Tk. 31,661·00		
(b)	For 100 Users :—		
1.	Earth work 21'—7" × 8'—2" × 7'—0" = 1234 cft. @ Tk. 371·00 per %o cft.	Tk.	457·81
2.	One layer brick flat soling. 21'—7" × 8'– 2" = 176·3 sft. @ Tk. 457·00 per % sft.	Tk.	805·69
3.	6" c. c. (4 : 2 : 1) flooring. 21'—7" × 8'—2" × 0'– 6" = 88·15 cft. @ Tk. 45·65 per cft.	Tk.	4024·04
4.	Brick works (6 : 1). 6'—11" × 10" × (18'—3" × 4'—10") × 2 + 5'—1" × 5" × (19'—6" + 6'—1") × 2 + 2'—7" × 5" × (20'—4" + 6'—11") × 2 = 265 + 109 + 59 = 433 cft. @ Tk. 2330·00 per % cft.	Tk.	10,088·90
5.	5" thick brick work (6 : 1). 6'—11" × 4' × 2 = 55·4 sft. @ Tk. 1105·00 per % sft.	Tk.	612·17
6.	¾" thick plastering (4 : 1) with neat cement finishing. 6'—11" × (4'—0" × 6 + 4'—6" × 2 + 9'—1" × 2 + 3'—0"—2) = 397 sft. @ Tk. 4·22 per sft.	Tk.	1675·34
7.	1" thick patent stone flooring neat cement finishing. 4'—6" × 4'—0" + 9'—1" × 4'—0" + 3' × 4' = 66·33 sft. @ Tk. 511·00 per % sft.	Tk.	338·94
8.	R. C. C. Tees 2 Nos. @ Tk. 40·00 each	Tk.	80·00
9.	4" thick R. C. C. slab (4 : 2 : 1) 19'—1" × 5'—8" × 4" = 36·06 cft. @ Tk. 59·30 per cft.	Tk.	2138·35
10.	1% M. S. rod 0·361 cft. = 1·58 cwt. @ Tk. 790·00 per cwt.	Tk.	1248·20
		Tk.	21469·44

Contd. item No. 28	– B. F.	Tk.	21469·44
11. Providing 18" dia water sealed heavy type C. I. manhole cover with locking arrangement including making hole. 3 Nos. @ Tk. 180·00 each		Tk.	540·00
		Tk.	22009·44

Say, rate for 100 Users = Tk. 22,009·00

(c) For 50 users :–

1. Earth work : 15'—2" × 8'—4" × 7'—2" = 906 cft. @ Tk. 371 per %o cft.		Tk	336·12
2. One layer brick flat soling. 15'—2" × 8'—4" = 126·2 sft. @ Tk. 457·00 per % sft.		Tk.	576·73
3. 6" c. c. flooring (4 : 2 : 1). 15'—2" × 8'—4" × 6" = 63·1 cft. @ Tk. 45·65 per cft.		Tk.	2 880·51
4. Brick works (6 : 1). 6'—1" × 10" × (11'—10" + 5'—0") × 2 + 4'—4" × 5" × (13'—1" + 6'—3") × 2 + 2'—3" × 5" × (13'—11" ±7'—1") × 2 =170+70+40 = 280 cft. @ Tk. 2330·00 per % cft.		Tk.	6524·00
5. 5" thick brick works. 2 × 6'—1" × 4 – 2" = 50·71 sft. @ Tk. 1105·00 per % sft.		Tk.	560·34
6. ½" thick plastenig (4 : 1) with neat cement finishing. 6'—1" × (2 × 3'—5" + 2 × 5'—0" + 2 × 1'—9" + 6 × 4'—2") = 275·6 sft. @ Tk. 422·00 per % sft.		Tk.	1163·03
7. 1" thick patent stone flooring with N. C. F. (4 : 2 : 1) 1 × 10'—2" × 4'—2" = 42·4 sft. @ Tk. 511·00 per % sft.		Tk	216·66
8. R. C. C. Tees = 2 Nos. @ Tk. 40·00 each.		Tk.	80·00
9. 4" thick R. C. C. slab (4 : 2 : 1). 1 × 12'—8" × 5'—10" × 4" = 24·60 cft. @ Tk. 59·30 per cft.		Tk.	1458·78
10. 1% M. S. Rod 0·246 cft. = 1·08 cwt. @ Tk. 790·00 per cwt.		Tk.	853·20
11. Providing 18" dia water sealed heavy type C. I. manhole cover with locking arrangement including making hole. 3 Nos. @ Tk. 180·00 each.		Tk.	540·00
		Tk.	15189 37

Say, rate for 50 users = Tk. 15,189·00

(d) For 30 users :–

1. Earth work : 13'—2" × 7'—6" × 6'—2" = 610 cft. @ Tk. 371·00 per %o cft.		Tk.	226·31
2. One layer brick flat soling. 13'—2" × 6'—2" = 81·2 sft. @ Tk. 457·00 per % sft.		Tk.	371·08
3. 6" c. c. (4 : 2 : 1): flooring : 13'—2" × 6'—2" × 0'—6" = 40·6 cft. @ Tk. 45·65 per cft.		Tk.	1853·39
4. Brick work (6 : 1) :– 6' × 10" × (9'—10" + 2'—10") × 2 + 4' × 5" × (11'—1" + 4'—1") × 2 + 2' × 5" × (11'—11" + 4'—11") × 2 = 205·1 cft. @ Tk. 2330·00 per % cft.		Tk.	4778·83
5. 5" thick brick work (6 : 1). 6' × 2' = 12 sft. @ Tk. 1105·00 per % sft.		Tk.	132·60
		Tk.	7362·21

6. ¾" thick plastering (4 : 1) with neat cement finishing.
6'—0" × (2'—0" × 4 + 3'—0" × 2 + 5'—7" × 2) = 151 sft.
@ Tk. 422·00 per % sft. Tk. 637·22

7. 1" thick patent stone flooring with N. C. F.
3" × 2' + 5"—7" × 2' = 17·16 sft. @Tk. 511·00 per % sft. Tk. 87·68

8. R. C. C. Tees 2 Nos. @ Tk. 40·00 each. Tk. 80·00

9. 4" thick R. C. C. slab (4 : 2 : 1).
10'—8" × 3'—8" × 4" = 13·00 cft. @ Tk. 59·30 per cft. Tk. 770·90

10. 1% M. S. steel rod 0·13 cft.
= 0·568 cwt. @ Tk. 790·00 per cwt. Tk. 448·72

11. Providing 18" dia water sealed heavy type C. I. manhole cover with locking arrangement including making hole. 2 Nos.
@ Tk. 180·00 each. Tk. 360·00

Tk. 9,746·73

Say, rate for 30 users = Tk. 9,747·00

(e) For 20 Users :—

1. Earth work :— 11'—4" × 7'—0" × 6'—0" = 476 cft.
@ Tk. 371·00 per % cft. Tk. 176·59

2. One layer brick flat soling :—
11'—4" × 6'—0" = 68 sft. @ Tk. 457·00 per % sft. Tk. 310·76

3. 6" C. C. (4 : 2 : 1) flooring :—
11'—4" × 6'—0" × 0'—6" = 34 cft. @ Tk. 45·65 per cft. Tk. 1552·10

4. Brick work (6 : 1) :—
2 × 9'—3" × 4'—0" × 1'—3" = 92·50 cft.
2 × 2'—0" × 4'—0" × 1'—3" = 20·00 cft.
2 × 9'—3" × 1'—6" × 0'—10" = 23·03 cft.
2 × 2'—0" × 1'—6" × 0'—10" = 4·98 cft.
140·51 cft.
@ Tk. 2330·00 per % cft. Tk. 3273·88

5. 5'—9" × 2'—0" = 11·50 sft. @ Tk. 1105·00 per % sft. Tk. 127·07

6. 3/4" thick plaster (4 : 1) with neat cement finishing :—
2 × 8'—0" × 5'—6" = 88·00 sft.
2 × 2'—0" × 5'—6" = 22·00 sft.
2 × 2'—0" × 5'—0" = 20·00 sft.
130·00 sft.
@ Tk. 422·00 per % sft. Tk. 548·60

7. 1" thick patent stone flooring with N. C. F. :—
2 × 7'—7" = 15·16 sft. @ Tk. 511·00 per % sft. Tk. 77·46

8. R. C. C. Tees = 2 Nos. @ Tk. 40·00 each. Tk. 80·00

9. 4" thick R. C. C. slab (4 : 2 : 1).
9'—8" × 3'—8" × 0'—4" = 11·66 cft. @ Tk. 59·30 per cft. Tk. 691·43

10. 1% Mild steel rod :—
0·116 cft. = 0·507 cwt. @ Tk. 790·00 per cwt. Tk. 400·53

11. Providing 18" dia water sealed type C. I. manhole cover with locking arrangement in/c. making hole.
= 2 Nos. @ Tk. 180·00 each. Tk. 360·00

Tk. 7,598·42

Say, rate for 20 Users Tk. 7,598·00

Contd. item No. 28.

(f) For 10 users :—

1. Earth work :— 9'—4" × 6' × 5'—4" = 298 cft.	@ Tk. 371·00 per % cft.	Tk.	110·55
2. One layer brick flat soling 9'—4" × 5'—4" = 49·6 sft.	@ Tk. 457·00 per % sft.	Tk.	226·67
3. 6" c. c. (4 : 2 : 1) work :— 9'—4" × 5'—4" × 6" = 24·8 cft.	@ Tk. 45·65 per cft.	Tk.	1132·12
4. Brick works : 4'—7½" × 1'—3" × (7'—3" × 2 + 3'—3" × 2) = 121 cft.	@ Tk. 2330·00 per % cft.	Tk.	2819·30
5. 5" thick brick work :— 4'—7½" × 2'—0" = 9 sft.	@ Tk. 1105·00 per % sft.	Tk.	99·45
6. ¾" thick plastering (4 : 1) with N. C. F. 4'—7½" × (2'—0" × 4 + 5'—7" × 2) = 88 sft.	@ Tk. 422·00 per % sft.	Tk.	371·36
7. 1" thick patent stone flooring with N. C. F. 5'—7" × 2'—0" = 11·2 sft.	@ Tk. 511·00 per % sft.	Tk.	57·23
8. R. C. C. Tees = 2 Nos.	@ Tk. 40·00 each.	Tk.	80·00
9. 4" thick R. C. C. slab (4 : 2 : 1). 8'—6" × 4'—6" × 4" = 12·9 cft.	@ Tk. 59·30 per cft.	Tk.	764·97
10. 1% Mild steel rod. 0·129 cft. = 0·565 cwt.	@ Tk. 790·00 per cwt.	Tk.	446·35
11. Providing 18" dia water sealed heavy type C. I. manhole cover with locking arrangement including making hole.	2 Nos. @ Tk. 180·00 each.	Tk.	360·00
		Tk.	6468·00

Say, rate for 10 users = Tk. 6,468·00 each.

Varying sizes of soak well connected from septic tanks

Description of items	Rate in Taka	Unit	200 Users		100 Users		50 Users	
			Qnty.	Amount in Taka	Qnty.	Amount in Taka	Qnty.	Amount in Taka
1. Earth work :	371·00	%o cft.	772 cft.	286·41	394 cft.	146·17	225 cft.	83·47
2. R.C.C. (4 : 2 : 1) curb well with 1·5% reinforcement (excluding cost of rod)	59·30	per cft.	14·20 cft.	842·06	11 cft.	652·30	9·70 cft.	575·21
3. 10" Honey comb brick work in cement (6 : 1)	2100·00	% cft.	163 cft.	3423·00	142 cft.	2982·00	105 cft.	2205·00
4. 10" solid brick in cement (6 : 1)	2330·00	% cft.	92 cft.	2143·60	67 cft.	1561·10	35 cft.	815·50
5. 4" R. C. C. (4 : 2 : 1) slab with 1% reinforcement (excluding cost of rod)	59·30	per cft.	13 cft.	770·90	6·6 cft.	391·38	5·4 cft.	320·22
6. Supplyinn & fabricating rod reinforcement.	790·00	per cwt.	1·17 cwt.	1350·90	1·05 cwt.	829·50	·86 cwt.	679·40
7. Supplying, fitting & fixing 18" manhole cover.	180·00	each.	1 No.	180·00	1 No.	180·00	1 No.	180·00
8. Supplying & filling graded khoa & sand.	1500·00	% cft.	295 cft.	4425·00	107 cft.	1605·00	52 cft.	780·00
				Total— 13,421·80		8,347·45		5,638·80

Say, rate for 200 Users Tk. 13,422·00 each only.
Say, rate for 100 Users Tk. 8,347·00 each only.
Say, rate for 50 Users Tk. 5,639·00 each only.

Description of items	Rate in Taka	Unit	30 Users		20 Users		10 Users	
			Qnty.	Amount in Taka	Qnty.	Amount in Taka	Qnty.	Amount in Taka
1. Earth work :	371·00	%o cft.	225 cft.	83·47	202 cft.	74·94	202 cft.	74·94
2. R. C.C. (4 : 2 : 1) curb well with 1·5% reinforcement (excluding cost of rod)	59·30	per cft.	9·70 cft.	575·21	8·5 cft.	504·05	8·5 cft.	504·05
3. 10" Honey comb brick work in cement (6 : 1)	2100·00	% cft.	105 cft.	2205·00	90 cft.	1890·00	90 cft.	1,890·00
4. 10" solid brick cement (6 : 1)	2330·00	% cft.	35 cft.	815·50	30 cft.	699·00	30 cft.	699·00
5. 4" R. C. C. (4 : 2 : 1) slab with 1% reinforcement (excluding cost of rod)	59·30	per cft.	5·4 cft.	320·22	2·4 cft.	142·32	2·4 cft.	142·32
6. Supplying & fabricating rod reinforcement.	790·00	per cwt.	0·86 cwt.	679·40	0·75 cwt.	592·50	0·75 cwt.	592·50
7. Supplying, fitting & fixing 18" manhole cover.	180·00	each.	1 No.	180·00	1 No.	180·00	1 No.	180·00
8. Supplying & filling graded khoa & sand.	1500·00	% cft.	52 cft.	780·00	42 cft.	630·00	42 cft.	630·00
				Total— 5,638·80		4,712·81		4,712·81

Say, rate for 30 Users Tk. 5,639·00 each only.
Say, rate for 20 Users Tk. 4,713·00 each only.
Say, rate for 10 Users Tk. 4,713·00 each only.

Analysis for item No. 30

(a) Supplying and sinking 1½" dia G. I. tube well.

(i) Upto 200'—0"

1. Cost of 1½" dia pipe @ Tk. 29·00 per rft.	Tk.	29·00
2. Cost of labour.	Tk.	9·50
	Tk.	38·50
Contractor's Profit 10%	Tk.	3·85
	Tk.	42·35

Say, rate per running foot = Tk. 42·00

(ii) From 200'—0" upto 450'—0"

1. Cost of 1½" dia pipe @ Tk. 29·00 per rft.	Tk.	29·00
2. Cost of labour	Tk.	19·50
	Tk.	48·50
Contractor's Profit 10%	Tk.	4·85
	Tk.	53·35

Say, rate per running foot = 53·00

(b) Supplying, fitting and fixiug 1½" dia Brass strainer 6'—0" long.

1. Cost of strainer (6'—0" long)	Tk.	245·00
2. Cost of socket & plug	Tk.	20·00
	Tk.	265·00
Contractor's Profit 10%	Tk.	26·50
	Tk.	291·20

Say, rate = Tk. 292·00 each.

(c) Supplying, fitting and fixing Maya/Hydari or such other No. 6 pump for 1½" dia tube well.

1. Cost of pump	Tk.	400·00
2. Cost of nuts and bolts	Tk.	45·00
3. Cost of labour	Tk.	35·00
	Tk.	480·00
Contractor's Profit 10%	Tk.	48·00
	Tk.	528·00

Say, rate = Tk. 528·00 each.

(d) Construction of platform.

Taking 30 sft. (5'×6') size.

Platform. :—

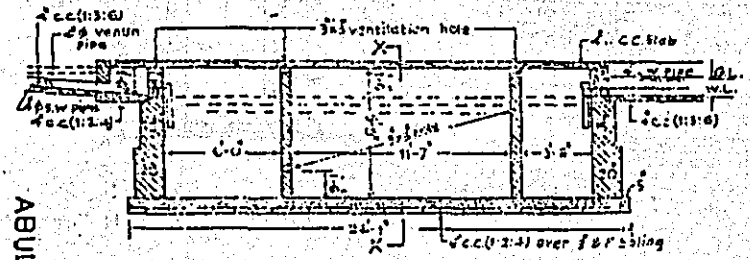
1. Soling 5'×6' = 30 sft. @ Tk. 457·00 per % sft.	Tk.	137·10
2. 3" thick (6 : 3 : 1) casting 5'×6' = 30 sft. @ Tk. 878·00 per % sft.	Tk.	263·40
3. Brick work band (2×5'—0" + 2×5'—2")×5"×3" = 2·14 cft. @ Tk. 2330·00 per % cft.	Tk.	49·86
4. Plaster (2 : 1) with N. C. F. 5×6' + (2×4'—2" + 2×5'—2")×3" + (2×5' + 2×6)×6" = 45·7 sft. @ Tk. 422·00 per % sft.	Tk.	192·85
	Tk.	643·21

Contd item No. 30		B. F. =	Tk.	643·21
Drain :—				
1. Soling 1·33′×10′ = 13·3 sft.	@ Tk. 457·00 per % sft.		Tk.	60·78
2. 3″ thick (6 : 3 : 1) casting. 1·33′×10′ = 13·3 sft.	@ Tk. 878·00 per % sft.		Tk.	116·77
3. Brick work in band (6 : 1) 2×10′—0″×0′—5″ (av.) = 3·52 cft.	@ Tk. 2330·00 per % cft.		Tk.	82·01
4. Plaster with N. C. F. 3·33′×10′ = 33·3 sft.	@ Tk. 422·00 per % sft.		Tk.	140·52
			Tk.	1043·29

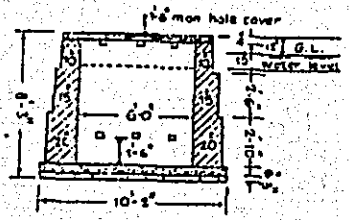
Rate per sft. = Tk. $\frac{1043·29}{30}$ = Tk. 34·47

Say, rate per square foot = Tk. 35·00

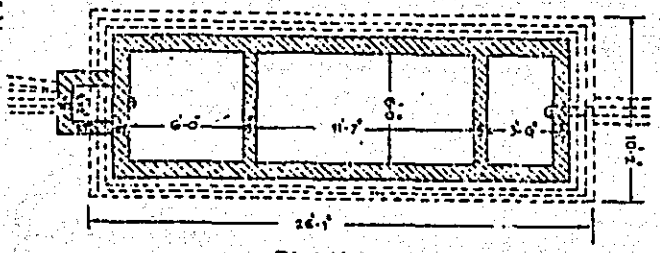
200 USERS SEPTIC TANK



LONG SECTION



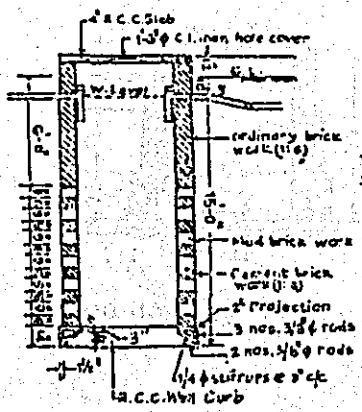
CROSS SECTION ON X-X



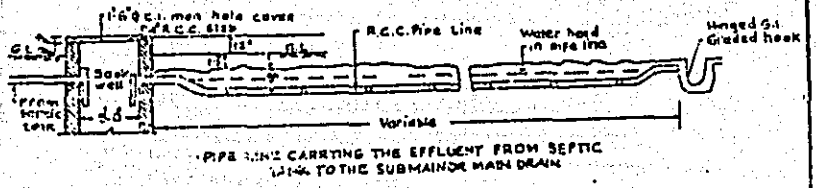
PLAN

ABUL FARAZ KHAN
S. E. (DEV)

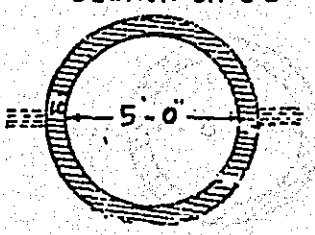
DETAILS OF SOAK WELL



SECTION ON C-D



PIPE LINE CARRYING THE EFFLUENT FROM SEPTIC TANK TO THE SUBMAINOR MAIN DRAIN

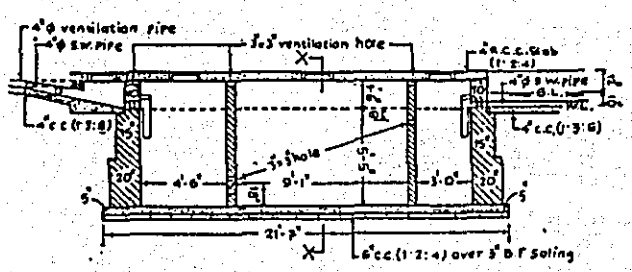


OFFICE OF THE CHIEF ENGINEER (PWD)

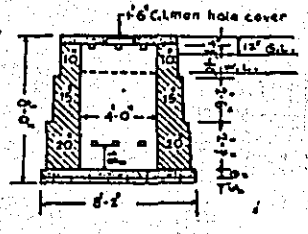
DETAILS OF STANDARD SEPTIC TANK & SOAK WELL TO BE CONSTRUCTED UNDER PUBLIC WORKS DEPT.

M.A. ALI
CHIEF ENGINEER

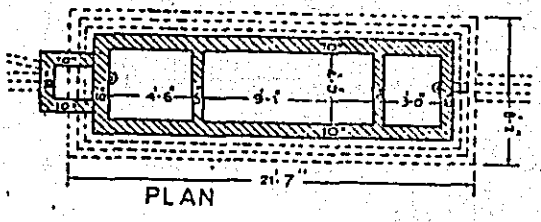
100 USERS SEPTIC TANK



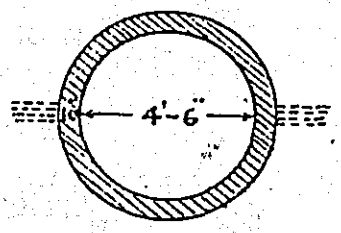
LONG SECTION



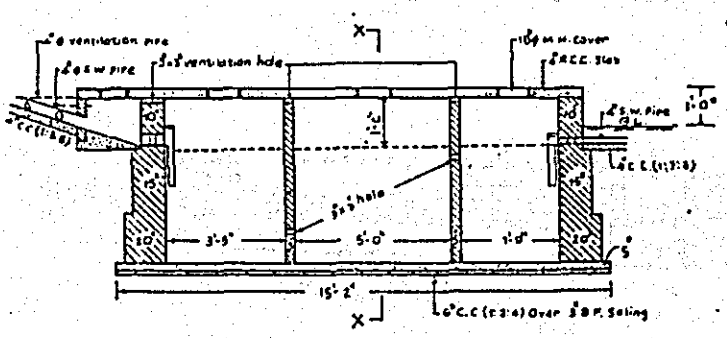
CROSS SECTION ON X-X



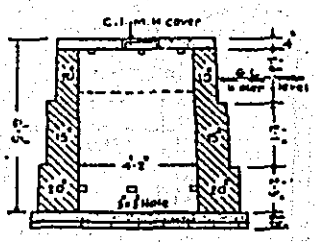
PLAN



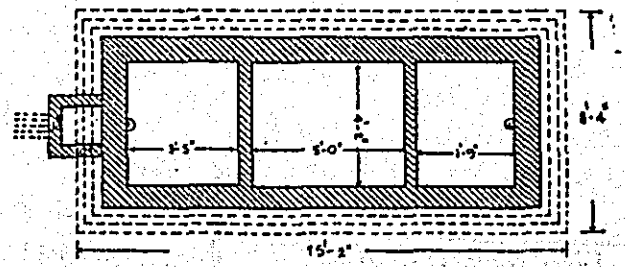
50 USERS SEPTIC TANK



LONG SECTION



CROSS SECTION ON X-X



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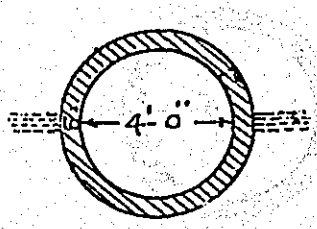
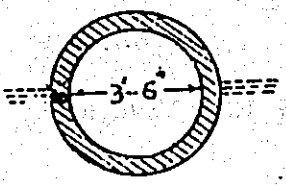
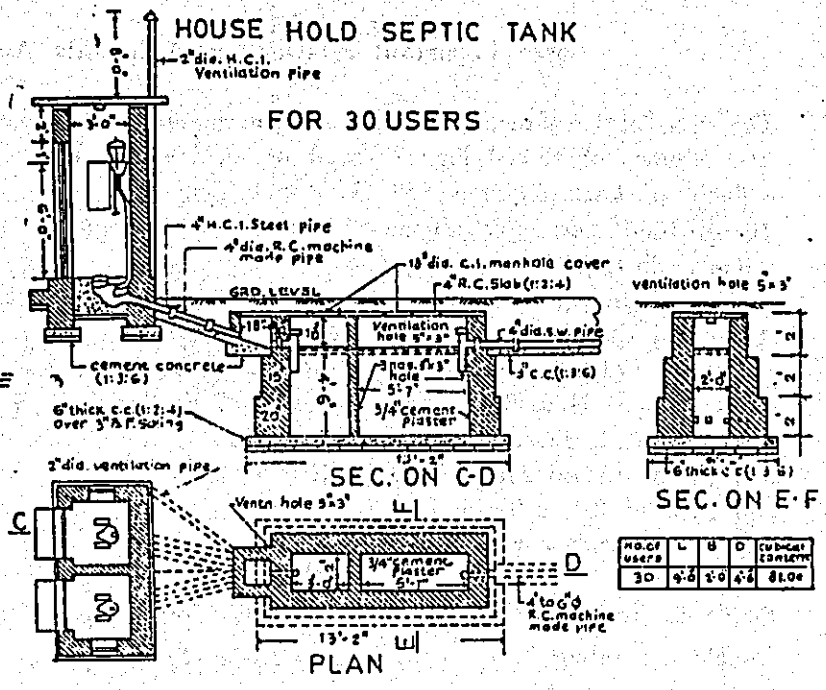


ABUL FARAZ KHAN
S.E. (DEV).

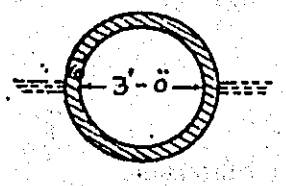
HOUSE HOLD SEPTIC TANK

FOR 30 USERS





No. of users	L	B	D	cubical content
30	9'-6	2'-0	4'-6	81.00



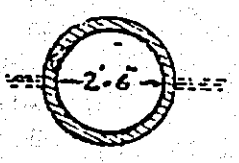
FOR 20 USERS

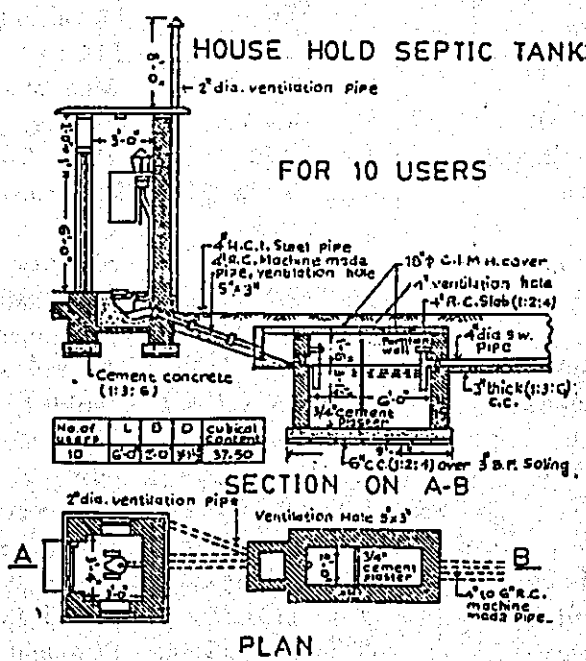
No. of Users	L	B	D	cubical content
20	8'-0"	2'-0"	4'-0"	64'-0"

DIAGRAM SAME AS ABOVE

HOUSE HOLD SEPTIC TANK

FOR 10 USERS





No. of users	L	B	D	cubical content
10	6'-0	2'-0	3'-6	37.50

APPENDIX—I

Some important relations used in this Analysis.

Dry Vol. of constituents of concrete, mortar etc. = 1·5 × wet Vol.
100 Maunds of slaked lime or sand or surki = 225 cft.
100 cft. of khoa required 850 Nos. of bricks.
Bricks 1000 Nos. = 3·5 Tons.
Lime (Sylhet) 2·25 cft. = 1 md.
1 Bag of cement (British) = 1·25 cft. = 112 lbs = 1 cwt.
1 Ton of C. I. sheet (24 B. W. G.) = 10 bundles.
1 Bundle = 12 Nos. 6 ft. long = 10 Nos. 7 ft. long.
= 9 Nos. 8 ft. long = 8 Nos. 9 ft. long. = 7 Nos. 10 ft. long.
Width of C. I. sheet (24 B. W. G.) = 32"
950 rft. of barbed wire (16 B. W. G.) = 1 cwt.
200 Nos. of $2\frac{1}{2}$" nails = 1 seer.
1 gallon of paint covers 300 sft. of new surface.
Brick soling :

Single flat soling.	= 300 Nos.	per	100	sft.
Double flat soling.	= 600 Nos.	per	100	sft.
Herring bone bond.	= 500 Nos.	per	100	sft.
Brick on end edging.	= 250 Nos.	per	100	rft.

APPENDIX—II

Weight in lbs. per cft. of different Engineering Materials.

Materials	Weight	Materials	Weight
Asphalt	66	Macadam (Tar)	140
Bamboo	25	Marble	169
Brick	116	Mild Steel	490
Brick ballast	60—70	Pebbles.	90
Brick works.	120	R. C. Concrete	150
Cast Iron.	450	Sal wood.	60—65
Cement	90	Sand	110—120
Cement concrete	140	Shingles	90
Charcoal	16	Stone ballast	90—120
Clay	115—130	Stone masonry	160
Coal (loose)	50	Sundari wood	55—65
Colour oxide	75	Surki	80
Earth	100	Surki mortar	85—120
Gorjan wood	45—50	Tar	90
Gravels	90	Teak wood	45—55
Lime	40	Tiles (per sft.)	8
Lime concrete	115—135	Water	62·45
Lime mortar.	110	Wood fuel	22
Lime plaster	110	Wrought Iron	480
Asbestos sheet	3 lb per sft.	C. I. sheet	1·8 - 3·5 lb per sft.

APPENDIX—III

British Standard Areas. Perimeter and Weights per rft. of M. S. Rods.

Size (dia)	Area (sq. in)	Perimeter (inch)	Weight (lbs)	Size (dia)	Area (sq. in)	Perimeter (inch)	Weight (lbs)
$\frac{1}{4}$"	0.049	0·786	0·167	$\frac{7}{8}$"	0·601	2·749	2·044
$\frac{3}{8}$"	0·110	1·178	0·376	1"	0·785	3·142	2·670
$\frac{1}{2}$"	0·196	1·571	0·668	$1\frac{1}{8}$"	0·994	3·540	3·380
$\frac{5}{8}$"	0·306	1·963	1·043	$1\frac{1}{4}$"	1·227	3·930	4·172
$\frac{3}{4}$"	0·442	2·356	1·502	$1\frac{1}{2}$"	1·767	4·710	6·008

APPENDIX—IV

Weight of M. S. Flat bars in lb. per rft.

Width	Thickness				
	$\frac{3}{16}$"	$\frac{1}{4}$"	$\frac{5}{16}$"	$\frac{3}{8}$	$\frac{1}{2}$"
1"	—	0·85	—	1·28	1·70
$1\frac{1}{4}$"	0·797	1·06	—	1·59	2·13
$1\frac{1}{2}$"	0·956	1·28	—	1·91	2·55
$1\frac{3}{4}$"	1·28	1·49	—	2·23	2·98
2"	—	1·70	2·13	2·55	3·40
$2\frac{1}{4}$"	—	1·91	2·39	2·87	3·83
$2\frac{1}{2}$"	—	2·13	2·66	3·19	4·25
3"	—	2·55	3·19	3·83	5·10

APPENDIX—V

Weight of M. S. Angles (Equal) per rft.

Size (inch)	Weight (lbs.)	Size (inch)	Weight (lbs.)	Size (inch)	Weight (lbs.)	Size (inch)	Weight (lbs.)
$1\times1\times\frac{1}{8}$	0·80	$1\frac{1}{2}\times1\frac{1}{2}\times\frac{3}{8}$	3·33	$2\frac{1}{4}\times2\frac{1}{4}\times\frac{1}{4}$	3·61	$3\times3\times\frac{1}{4}$	4·89
$1\times1\times\frac{3}{16}$	1·16	$1\frac{3}{4}\times1\frac{3}{4}\times\frac{3}{16}$	2·11	$2\frac{1}{4}\times2\frac{1}{4}\times\frac{5}{16}$	4·45	$3\times3\times\frac{5}{16}$	6·05
$1\times1\times\frac{1}{4}$	1·49	$1\frac{3}{4}\times1\frac{3}{4}\times\frac{1}{4}$	2·77	$2\frac{1}{4}\times2\frac{1}{4}\times\frac{3}{8}$	5·26	$3\times3\times\frac{3}{8}$	7·17
$1\frac{1}{4}\times1\frac{1}{4}\times\frac{3}{16}$	1·48	$1\frac{3}{4}\times1\frac{3}{4}\times\frac{3}{8}$	3·98	$2\frac{1}{2}\times2\frac{1}{2}\times\frac{1}{4}$	4·04	$3\times3\times\frac{1}{2}$	9·35
$1\frac{1}{4}\times1\frac{1}{4}\times\frac{1}{4}$	1·91	$2\times2\times\frac{3}{16}$	2·43	$2\frac{1}{2}\times2\frac{1}{2}\times\frac{5}{16}$	4·98	$3\frac{1}{2}\times3\frac{1}{2}\times\frac{3}{8}$	8·45
$1\frac{1}{2}\times1\frac{1}{2}\times\frac{3}{16}$	1·79	$2\times2\times\frac{1}{4}$	3·19	$2\frac{1}{2}\times2\frac{1}{2}\times\frac{3}{4}$	5·90	$3\frac{1}{2}\times3\frac{1}{2}\times\frac{1}{2}$	11·05
$1\frac{1}{2}\times1\frac{1}{2}\times\frac{1}{4}$	2·34	$2\times2\times\frac{5}{16}$	4·62	$2\frac{1}{2}\times2\frac{1}{2}\times\frac{1}{2}$	7·65		

APPENDIX—VI

Weight of M. S. Angles (Unequal) per rft.

Size (inch)	Weight (lbs.)	Size (inch)	Weight (lbs.)	Size (inch)	Weight (lbs)	Size (inch)	Weight (lbs.)
$2\times1\frac{1}{2}\times\frac{1}{4}$	2·76	$3\times2\times\frac{1}{4}$	4·04	$3\times2\frac{1}{2}\times\frac{1}{4}$	4·46	$3\frac{1}{2}\times2\frac{1}{2}\times\frac{1}{4}$	4·89
$2\frac{1}{2}\times2\times\frac{1}{4}$	3·61	$3\times2\times\frac{5}{16}$	4·98	$3\times2\frac{1}{2}\times\frac{5}{16}$	5·51	$3\frac{1}{2}\times2\frac{1}{2}\times\frac{5}{16}$	6·05
$2\frac{1}{2}\times2\frac{1}{2}\times\frac{5}{16}$	4·45	$3\times2\times\frac{3}{8}$	5·90	$3\times2\frac{1}{2}\times\frac{3}{8}$	6·54	$3\frac{1}{2}\times2\frac{1}{2}\times\frac{3}{8}$	7·18

APPENDIX—VII

Weight of M. S. Tees per rft.

Size (inch)	Weight (lbs.)	Size (inch)	Weight (lbs.)	Size (inch)	Weight (lbs.)	Size (inch)	Weight (lbs.)
$1\times1\times\frac{1}{8}$	0·81	$1\frac{1}{2}\times1\frac{1}{2}\times\frac{1}{4}$	2·35	$2\frac{1}{2}\times2\frac{1}{2}\times\frac{1}{4}$	3·64	$3\times3\times\frac{3}{8}$	7·20
$1\times1\times\frac{1}{4}$	1·54	$1\frac{3}{4}\times1\frac{3}{4}\times\frac{1}{4}$	2·79	$2\frac{1}{2}\times2\frac{1}{2}\times\frac{5}{16}$	4·07	$3\times3\times\frac{1}{2}$	9·38
$1\frac{1}{4}\times1\frac{1}{4}\times\frac{3}{16}$	1·50	$1\frac{3}{4}\times1\frac{3}{4}\times\frac{5}{16}$	2·11	$2\frac{1}{2}\times2\frac{1}{2}\times\frac{5}{16}$	5·00	$3\frac{1}{2}\times3\frac{1}{2}\times\frac{3}{8}$	8·49
$1\frac{1}{4}\times1\frac{1}{4}\times\frac{1}{4}$	1·88	$2\times2\times\frac{1}{4}$	3·21	$2\frac{1}{2}\times2\frac{1}{2}\times\frac{3}{8}$	5·92	$3\frac{1}{2}\times3\frac{1}{2}\times\frac{1}{2}$	11·08
$1\frac{1}{2}\times1\frac{1}{2}\times\frac{3}{16}$	1·81	$2\times2\times\frac{3}{8}$	4·64	$3\times3\times\frac{1}{4}$	4·91		

APPENDIX—VIII

Weight of M. S. Sheet per sft.

Thickness (B. W. G.)	Length (foot)	Breadth (foot)	Weight (lbs)	Thickness (inch)	Lenght (foot)	Breadth (foot)	Weight (lbs)
24	6—8	3—4	1·01	$\frac{1}{16}$	6—12	$2\frac{1}{2}$,3,4	2·55
22	do	do	1·27	$\frac{1}{16}$	10—12	5	2·55
20	do	do	1·59	$\frac{1}{8}$	6—12	$2\frac{1}{2}$,3,4	5·10
18	do	do	2·04	$\frac{1}{8}$	10—12	5	5·10

APPENDIX—IX

Weight of M. S. Plates per sft.

Thickness (inch)	Lenght (foot)	Breadth (foot)	Weight (lbs)	Thickness (inch)	Lenght (foot)	Breadth (foot)	Weight (lbs)
$\frac{3}{16}$	6—20	3,3½,4,5	7·65	$\frac{1}{2}$	6—30	3,3½,4,5	20·40
$\frac{1}{4}$	6—24	do	10·20	$\frac{5}{8}$	6—30	do	25·50
$\frac{5}{16}$	6—24	do	12·75	$\frac{3}{4}$	6 · 20	3,4,5	30·60
$\frac{3}{8}$	6—24	do	15·30	$\frac{7}{8}$	6—12	3,4	35·70
$\frac{7}{16}$	6—24	3,4,5	17·85	1	6—12	2,3,4	40·80

PUBLIC WORKS DEPARTMENT

GOVERNMENT OF THE PEOPLE'S REPUBLIC OF BANGLADESH

SCHEDULE OF RATES

(WITH CONTRACTOR'S OWN SUPPLY OF MATERIALS)

FIFTH EDITION

EFFECTIVE FROM

1ST. DECEMBER, 1983

PRICE. : Tk; 100/- only.

INTRODUCTION

As per recent decision of the Government to switch over from the existing system of issuing materials to the contractors to the "General contracting system" which envisages contractor's own supply of materials, it has been felt necessary to revise the existing schedule of rates. Revision is also required due to frequent price escalation of materials and labours.

Attempts have been made to cover general items of construction of buildings and roads with sufficient elaborations as far as possible. Steps have also been taken to make schedule of rates functional and realistic based on detailed analysis. Suggestions for modifications of rates and items were invited from the Superintending Engineers for improvement of the present schedule of rates. Accordingly some of their suggestions have been incorporated in this schedule Present market rates have been verified and some common factors of the price and labours have been evolved in order to prepare this schedule.

Due scrutiny of all items have been made as far as possible in preparing this schedule showing separately the rates for Barisal, Patuakhali and the remaining districts including Dhaka. Some items of rates of materials and labours may vary from place to place and as such Superintending Engineers are requested to modify the rates, if required, with the approval of the Chief Engineer, P. W. D.

While analysing the rates the requirement of materials for different items have been considered as per standard calculations adopted earlier in the P. W. D. schedule of rates of 1975, 1979 and 1980.

As this schedule is based on the contractor's own supply of all materials, so their profit have been allowed @ 10% both over the materials and labours. It may be mentioned here that if the materials are available in the departmental stock, provisions are to be made for issuing these materials in the tenders as per issue rates shown in this schedule and contractor's profits are to be deducted for the entire amount of the items which are to be issued and rates are to be modified accordingly by correcting with the analysis of rates.

In preparation of mosaic items, thickness of 3/8" ' finished) has been shown to use bigger sizes of chips as well as to stand more wear and tear for future use where required.

The import of some sanitary items have been banned by the Government. So, provisions have been made for supply of best quality locally available sanitary materials, fittings etc.

In no case the issue rates of materials is to be altered in this schedule without the prior approval of the Chief Engineer The rates include all operations from the beginning to the end which are directly connected with the items of the works. In other words, rates are meant for the finished and completed works in all respects to the satisfaction of the department in accordance of the specifications, practices and convention.

It is the responsibility of the Engineer-in-charge of works to see during execution that the items as per schedule of rates are strictly followed with all its specifications in minutest detail. Field tests are to be made from random samples of cement, bricks, sand and M. S. Rods as per standard specifications. Random Cylindrical tests are to be made for concrete works of structural elements No deviation of any items is allowed without the prior approval of the Superinter ding Engineer who in exceptional circumstances may allow certain additions and alterations to a limited scale. All corcrete works of roofs, slabs, beams and columns should be done with mixer machines.

All materials supplied by the contractors should be of approved quality and kind. No materials should be used in works unless certified by the concerned Sub-Divisional Engineer. It is the overall responsibility of field staff to see that all materials as per specifications are procured by the contractor's for works which reach the site in time and in full quantity and properly used in the works for which they are meant. Under-specified materials should be removed from the sites within 24 hours at contractor's own cost The items involving use of cement such as bricks-works, concrete work, plaster etc should be properly cured.

All tools and plants will be supplied by the contractors or hired from this Department, if available on hire charges prevailing at that time. Contractor's will also make arrangement for lighting, water supply required for works and other incidental items during the execution of works at his own cost.

The field staff shall maintain site order book which will contain instructions, decisions, sketches or suggestions given during inspections of the work in progress.

M. H. Khan.
Superintending Engineer (OSD),
Public Works Department.

They should also maintain a Job Diary at each site which will contain accounts of receipts and use of materials at the site and other necessary details regarding day to day activity at site. Any delay, shortage of materials or suspension of works etc, should also be recorded in the job Diary Book. All other important records such as drawing, schedule of items, estimate etc. should also be kept at site in the bound book for guidance of the field staff and also for the inspecting officers.

Public works Department will have to switch over from the existing F. P. S. system to Metric System shortly Tables of conversions have been reproduced in this schedule of rates to get acquainted with the metric system which is simple and time saving. In the meantime every body should take all preparations to work with the help of Metric system.

The schedule of rates will come into force with effect from 1st. December, 1983.

A. H. M. A. Hai.
Chief Engineer,
Public Works Department.

COMPLETE CONVERSION TABLES
F P S INTO METRIC SYSTEM.

Conversion of current F P S unit into Metric system units.			Conversion of Metric system unit into F P S units.		
1 inch	=	2·54 cm.	1 cm.	=	0·3937 inch
1 foot	=	30·48 cm.	1 metre	=	39·37 in.
1 Mile	=	1·609 km.	1 km.	=	0·6214 mile
1 in.^{2}	=	6·452 cm.^{2}	1 cm.^{2}	=	0·155 in.^{2}
1 Ft.^{2}	=	929 cm.^{2}	1 metre^2	=	10·76 ft.^{2}
1 lb.	=	0·4536 kg.	1 kg.	=	2·205 lb.
1 lb. /ft.	=	1·488 kg. /m.	1 kg./m.	=	0·672 lb./ft.
1 lb. /ft.^{2}	=	4·883 kg. /m.^{2}	1 kg./m^2	=	0·205 lb./ft.^{2}
1 lb./in.^{2}	=	0·07 kg. /cm.^{2}	1 kg./cm.^{2}	=	14·22 lb./in.^{2}
1 lb./ft.^{3}	=	16 kg. /m.^{3}	1 kg./m.^{3}	=	6·26 lb/ft.^{3}
1 ton	=	1·016 tonne	1 Tonne	=	0·984 ton
1 ton/ft.	=	3·333 tonnes/m.	1 Tonne/m.	=	0·300 ton/ft.
1 ton/ft.^{2}	=	10·937 tonnes/m.^{2}	1 Tonne/m.^{2}	=	0·0914 ton/ft.^{2}
1 ton/in.^{2}	=	0·1575 tonnes/cm.^{2}	1 Tonne/cm.^{2}	=	6·349 ton/in.^{2}
1 ft. lb.	=	0·138 kg. m.	1 kg. m.	=	7·23 ft. lb.
1 in. lb.	=	1·15 kg. cm.	1 kg./cm.	=	0·87 in. lb.

Steel Reinforcement.

1 $in.^2$ = 6·45 $cm.^2$: 1 $cm.^2$ = 0·155 $in.^2$

Allowablestresses in reinforced concrete works.

Compressive & Tensile Stresses.

600	lb./$in.^2$	=	42·2 kg./$cm.^2$
750	lb./$in.^2$	=	52·7 kg./$cm.^2$
950	lb./$in.^2$	=	66·8 kg./$cm.^2$
1150	lb./$in.^2$	=	80·8 kg./$cm.^2$
13,500	lb./$in.^2$	=	945 kg./$cm.^2$
18,000	lb./$in.^2$	=	1260 kg./$cm.^2$
20,000	lb./$in.^2$	=	1400 kg./$cm.^2$

Shear stresses.

75	lb./$in.^2$	=	5·3 kg./$cm.^2$
95	lb./$in.^2$	=	6·6 kg./$cm.^2$
115	lb./$in.^2$	=	8·1 kg./$cm.^2$

Bond stresses.

100	lb./$in.^2$	=	7· kg./$cm.^2$
112	lb./$in.^2$	=	7·9 kg./$cm.^2$
175	lb./$in.^2$	=	12·25 kg./$cm.^2$

A few common weights F·S to CGS units.

Concrete	144 lb./$ft.^3$	=	2308 kg./$m.^3$
Water	62 lb./$ft.^3$	=	1000 kg./$m.^3$
Steel	0·28 lb./$in.^3$	=	7·8 grams/$cm.^3$
Cement	90 lb./$ft.^3$	=	1540 kg./$cm.^3$
Earth	100 lb./$ft.^3$	=	1600 kg./$cm.^3$
Masonry	160 lb./$ft.^3$	=	2560 kg./$cm.^3$

Concrete slabs materials required per m² for various thickness.

Nominal mix	Materials		100 mm thickness.	125 mm thick.	150 mm. thick.
1 : 3 : 6	Cement	kg.	19·1	23·9	28·7
	Sand	m.³	0·040	0·050	0·060
	Coarse aggregates	m.³	0·080	0·100	0·120
1 : 2 : 4	Cement	kg.	26·4	33·1	39·7
	Sand	m.³	0·037	0·045	0·055
	Coarse aggregates	m.³	0·074	0·092	0·110
1 : 1½ : 3	Cement	kg.	32·2	41·5	49·9
	Sand	m.³	0·035	0·043	0·052
	Coarse aggregates	m.³	0·069	0·086	0·104
1 : 1 : 2	Cement	kg.	44·8	55·9	67·1
	Sand	m.³	0·031	0·039	0·047
	Coarse aggregates	m.³	0·063	0·038	0·09

FEET TO METRTES

Feet	0	1	2	3	4	5	6	7	8	9
Metres	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres.
0	—	0·305	0·610	0·914	1·219	1·524	1·829	2·134	2·438	2·743
10	3·048	3·353	3·658	3·962	4·267	4·572	4·872	5·182	5·486	5·791
20	6·096	6·401	9·706	7·010	7·315	7·620	7·925	8·230	8·534	8·839
30	9·144	9·449	9·754	10·058	10·363	10·668	10·973	11·278	11·582	11·887
40	12·192	12·497	12·802	13·106	13·411	13·716	14·021	14·326	14·630	14·935
50	15·240	15·545	15·850	16·154	16·459	16·764	17·069	17·374	17·678	17·983
60	18·288	18·593	18·898	19·202	19·507	19·812	20·117	20·422	20·726	21·031
70	21·336	21·641	21·946	22·250	22·555	22·860	23·165	23·470	23·774	24·079
80	24·384	24·689	24·994	25·298	25·603	25·908	26·213	26·518	26·822	27·127
90	27·432	27·737	28·042	28·346	28·651	28·956	29·261	29·566	29·870	30·157
100	30·480	30·785	31·090	31·394	31·699	32·004	32·309	32·614	32·918	33·223

SQUARE FEET TO SQUARE METRES

Sq. ft.	0	1	2	3	4	5	6	7	8	9
	sq. metres	sq. metres	sq. metres	sq. metres	sq. metres	sq. metres	sq. metres	sq. metres	sq. metres	sq. metres
0	—	0·0929	0·1858	0·2787	0·3716	0·4645	0·5574	0·6503	0·7432	0·8361
10	0·9290	1·0219	1·1148	1·2077	1·3006	1·3936	1·4865	1·5794	1·6723	1·7652
20	1·8581	1·9510	2·0439	2·1368	2·2297	2·3226	2·4155	2·5084	2·6013	2·6942
30	2·7871	2·8800	2·9729	3·0658	3·1587	3·2516	3·3445	3·4374	3·5303	3·6232
40	3·7161	3·8090	3·9 19	3·9948	4·0877	4·1806	4·2735	4·3664	4·4591	4·5523
50	4·6452	4·7381	4·8310	4·9239	5·0168	5·1097	5·2026	5·2955	5·3884	5·4813
60	5·5742	5·6671	5·7600	5·8529	5·9453	6·0387	6·1316	6·2245	6·3174	6·4103
70	6·5032	6·5961	6·6890	6·7819	6·8748	6·9677	7·0606	7·1535	7·2464	7·3393
80	7·4322	7·5252	7·6181	7·7110	7·8039	7·8968	7·9897	8.0825	8·1755	8·2684
90	8·3613	8·4542	8·5471	8·6400	8·7329	8·8258	8·9187	9·0116	9·1045	9·1974
100	9·2903	9·3832	9·4761	9·5690	9·6619	9·7548	9·8477	9·9406	10·0335	10·1264

Useful tables

METRIC CONVERSION TABLES.

Inches		Milli-metres.	Miles		Kilo-metres.
0·039	1	25·4	0·621	1	1·609
0·079	2	50·8	1·243	2	3·219
0·118	3	76·2	1·864	3	4·828
0·157	4	101·6	2·486	4	6·437
0·197	5	127·0	3·107	5	8·047
0·236	6	152·4	3·728	6	9·656
0·276	7	177·8	4·350	7	11·265
0·315	8	203·2	4·971	8	12·875
0·354	9	228·6	5·592	9	14·484

Feet		Metres	Sq. feet		Sq. metres.
3·281	1	0·305	10·764	1	0·093
6·562	2	0·610	21·528	2	0·186
9·843	3	0·914	32·292	3	0·279
13·123	4	1·219	43·056	4	0·372
16·404	5	1·524	53·820	5	0·465
19·685	6	1·829	64·583	6	0·557
22·966	7	2·134	75·347	7	0·650
26·247	8	2·438	86·111	8	0·743
29·528	9	2·743	96·875	9	0·836

Yards.		Metres.	Sq. Yards.		Sq. metres.
1·094	1	0·914	1·196	1	0·836
2·187	2	1·829	2·392	2	1·672
3·281	3	2·743	3·588	3	2·508
4·375	4	3·658	4·784	4	3·345
5·468	5	4·572	5·980	5	4·181

Gallons.		Litres.	Tons		Tonnes (1,000 kg.)
0·220	1	4·546	0·984	1	1·016
0·440	2	9·092	1·968	2	2·032
0·660	3	13·638	2·953	3	3·048
0·880	4	18·184	3·937	4	4·064
1·100	5	22·731	4·921	5	5·080
1·320	6	27·277	5·905	6	6·096
1·540	7	31·823	6·889	7	7·112
1·760	8	36·369	7·874	8	8·128
1·980	9	40·915	8·858	9	9·144

1000 gram = 1 kg. : 1000 kg. = 1 Tonne

USEFULL TABLES

Cufeet		Cumetres
35·315	1	0·028
70·629	2	0·057
105·944	3	0·085
141·259	4	0·113
176·573	5	0·142
211·888	6	0·170
247·203	7	0·198
282·517	8	0·227
317·832	9	0·255

Pounds		Kilograms
2·205	1	0·454
4·409	2	0·907
6·614	3	1·361
8·818	4	1·814
11·023	5	2·268
13·228	6	2·722
15·432	7	3·175
17·637	8	3·629
19·842	9	4·082

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LABOUR RATES

1. Ordinary Labour	...	Tk. 25/- per day..
2. Skilled Labour	....	Tk. 30/ per day.
3. Head Mason	...	Tk. 60/- per day.
4. Mason	...	Tk. 50/- per day
5. Carpenter/Painter	...	Tk. 55/- per day..
6. Plumber	....	Tk. 60/- per day.
7. Rod Mistry	....	Tk. 60/- per day..
8. Helper to Rod Mistry	...	Tk. 35/- per day..

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ISSUE RATES OF MATERIALS

Sl. No.	Description of Items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
1.	1st Class or picked jhama bricks.	per % Nos.	1200·00	1200·00	1200·00
2.	1st Class or picked jhama bats.	per % cft.	1020·00	1020·00	1020·00
3.	Machine made bricks 10 holes.	per % Nos.	1825·00	1825·00	1825·00
4.	Machine made bricks 17 holes.	per % Nos.	1625·00	1625·00	1625·00
5.	Ceramic facing bricks—8″ × 4″ × 2″	per % Nos.	2075·00	2075·00	2075·00
6.	Cement.	per bag.	115·00	115·00	115·00
7.	M. S. Rod and Structural steel (Angle Iron/F. I. bar) (B. S—15 or B. S. S. 4360 of 1972).	per ton.	13000·00	13000·00	13000·00
8.	M. S. Window section (T/Z section) (B. S. S. 4360 of 1972).	per ton.	17000·00	17000·00	17000·00
9.	C. I. Sheet. (24 B. W. G.)	per ton.	25000·00	25000·00	25000·00
10.	Asbasto sheet.	per sft.	28·50	28·50	28·50
11.	Lime (slaked).	per maund.	85·00	85·00	85·00
12.	Stone lime.	per maund.	140·00	140·00	140·00
	SAND.				
1.	Best local sand (F. M.—1·5)	per % cft.	400·00	700·00	730·00
2.	Best local sand (F. M.—2·00)	per % cft.	500·00	800·00	830·00
3.	Sunamganj sand (Sylhet) (F. M.—2·5)	per % cft.	900·00	1000·00	1050·00
4.	Very fine local sand (F.M.—0·50) (not for casting, brick work & plastering works)	per % cft.	90·00	90·00	90·00

(18) ISSUE RATES OF MATERIALS

Rate in Taka

Sl. No.	Description of Items	Unit of rate	All Districts Except Barisal & Patuakhali	Barsal	Patuakhali
	TIMBER.				
	Supplying of best quality well seasoned Teak Chamble wood plank as per Schedule free from sap, knots, finges, spots, cracks or any other defects to be delivered at the any PWD godown within Bangladesh including loading, unloading, carrying at both ends & stacking measurable position with payment of all incidental charges & taxes now in force etc. complete as per direction of the Engineer-in charge (Both ends shall be cut at right angle and must be free from crack).				
1.	Jam. (Ctg.)	per cft.	170·00	170·00	170·00
2.	Sundari.	per cft.	170·00	170·00	170·00
3.	Garjan. (Ctg.)	per cft.	170·00	170·00	170·00
4.	Kathal.	per cft.	200·00	200·00	200·00
5.	Silkarai. (Ctg.)	per cft.	230·00	230·00	230·00
6.	Jarul.	per cft.	250·00	250·00	250·00
7.	Local Sal wood (Modhupur)	per cft.	250·00	250·00	250·00
8.	Chapalish. (Ctg.)	per cft.	240·00	240·00	240·00
9.	Gammar (Ctg.)	per cft.	230·00	230·00	230·00
10.	Teak Chambal. (Ctg.)	per cft.	280·00	280·00	280·00
11.	Telsu.	per cft.	300·00	300·00	300·00
12.	C. T. wood. (Ctg. Teak Wood)	per cft.	500·00	500·00	500·00
13.	B. T. wood. (Burmah Teak Wood)	per cft.	1000·00	1000·00	1000·00

ISSUE RATES OF MATERIALS

Rate in Taka

Sl. No.	Description of Items	Unit of rate	All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
	PAINT & COLOURING MATERIALS.				
1.	Synthetic enamel paint.	per gallon	400·00	400·00	400·00
2.	Oil bound distemper.	do	230·00	230·00	230·00
3.	Plastic emulsion paint.	do	370·00	370·00	370·00
	MISCELLANEOUS ITEMS.				
1.	Marble chips. (Indian Deradun)	per cwt.	240·00	240·00	240·00
2.	Marble dust.	per cwt.	160·00	160·00	160·00
3.	White cement. (Foreign)	per bag of 40 kg.	460·00	460·00	460·00
4.	Snow ceam. (Foreign)	per drum of 40 kg.	2500·00	2500·00	2500·00
5.	Snow ceam. (Bangladesh made)	per drum of 40 kg.	1400·00	1400·00	1400·00
6.	Distemper.	per gallon	230·00	230·00	230·00
7.	Stone Shingles. (Jaflong/Bholaganj)	per % cft.	1400·00	1400·00	1400·00
8.	Stone Boulders.	per % cft.	1800·00	1800·00	1800·00
9.	Pea gravels.	per % cft.	1000·00	1000·00	1000·00
10.	Bitumen 80/100	per ton.	9000·00	9000·00	9000·00
11.	Coal.	per ton.	1800·00	1800·00	1800·00
12.	Bitumen Emulsion.	per ton.	8400·00	8400·00	8400·00

CARRIAGE OF MATERIALS

Rate in Taka.

Sl. No.	Description of items	Unit of item	Dhaka & Mymn.	Ctg.	Comilla & Noakhali	Rajshahi & Pabna	Rangpur Bogra & Dinajpur	Khulna Jessore Kushtia	Faridpur	Sylhet	C.H.T.	Barisal & Patuakhali
1.	Carriage of materials except bricks & bats by motor trucks, bullock carts or any other means, including loading, unloading at both ends and stacking properly at site as per direction of the Engineer-in charge.											
	(a) upto 1 mile	per ton.	31·50	36·00	36·00	45·00	45·00	45·00	45·00	54·00	54·00	The rates should be based on Analysis duly proposed by the E.E. & approved by the S. E.
	(b) upto 2 miles	do	36·00	45·00	45·00	54·00	54·00	54·00	54·00	67·50	67·50	
	(c) upto 3 miles	do	40·50	54·00	54·00	63·00	63·00	63·00	63·00	72·00	72·00	
	(d) For each additional mile beyond 3 miles & upto 20 miles.	do	4·50	4·50	4·50	4·50	4·50	6·75	6·75	6·75	7·88	
	(e) For each additional mile beyond 20 miles upto 50 miles.	do	3·38	3·38	3·38	3·38	3·38	4·50	4·50	4·50	6·00	
	(f) Beyond 50 miles.	do	1·50	1·50	1·50	1·50	1·50	2·62	2·62	2·62	4·12	
2.	Carriage of materials except bricks and bats by River Transport only including loading, unloading at both ends and stacking properly at site as per direction of the Engineer-in-charge. The rates should be based on analysis duly proposed by the Executive Engineer & approved by Superintending Engineer.											
3.	Weighing at both ends for item No. 1 of Steel materials only @ Tk. 25·00	per ton.										

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CARRIAGE OF MATERIALS

Rate in Taka.

Sl. No.	Description of items	Unit of item	Dhaka & Mymn.	Ctg.	Comilla & Noakhali	Rajshahi & Pabna	Rangpur Bogra & Dinajpur	Khulna Jessore Kushtia	Faridpur	Sylhet	C.H.T.	Barisal & Patuakhali
4.	Carriage of bricks & brick bats by motor truck, bullock carts or any means including loading and unloading at both ends, stacking properly at site as per direction of the Engineer-in-charge.	per % Nos. of Bricks & per % cft. of bats.										
	(a) upto 1 mile	do	88·62	90·57	90·57	118·12	118·12	118·12	118·12	145·70	145·70	The rates should be based on Analysis duly proposed by the F. E. & approved by the S.E.
	(b) upto 2 miles	do	98·45	118·12	118·12	145·70	145·70	145·70	145·70	201·95	201·95	
	(c) upto 3 miles	do	106·32	145·70	145·70	173·25	173·25	173·25	173·25	288·38	288·38	
	(d) For each additional miles beyond 3 miles and upto 20 miles.	do	11·82	11·82	11·82	11·82	11·82	13·77	13·77	13·77	16·07	
	(e) For each additional mile beyond 20 miles, upto 50 miles.	do	7·88	7·88	7·88	7·88	7·88	11·82	11·82	11·82	13·77	
	(f) Beyond 50 miles.	do	2·00	2·00	2·00	2·00	2·00	2·50	2·50	2·50	3·75	

Table 45

BUILDING ITEMS

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
1.	Earth work in excavation of all kinds of soils of foundation trenches including levelling, ramming and preparing the base, bailing out water, if necessary, providing centre line and bench mark pillars, removing the spoils etc. to a lead not exceeding 200'—0".				
	(a) Upto 5'—0" depth.	%o cft. per thousand cubic feet.	371·00	371·00	731·00
	(b) Extra for each additional foot of depth beyond 5'—0".	do	25·00	25·00	25·00
	(c) Extra for each addittonal 100'—0" lead beyond 200'—0".	do	27·00	27·00	27·00
2.	(a) One layer of brick flat soling in foundation or floor with first class or picked jhama bricks, preparation of bed and filling the interstices with local sand.	% sft. per hundred.sft.	457·00	457·00	457·00
	(b) One layer of Herring bone bond soling (Brick on edge).—do—	do	738·00	738·00	738·00
	(c) One layer of brick on end edging. —do— —do—	% rft. per hundred rft.	381·00	381·00	381·00
3.	(a) (6 : 3 : 1) Mass concrete in foundation with cement, sand and picked jhama chips, in/c. breaking chips, screening, mixing, laying, compacting to levels & curing.	% cft. per hundred cft.	3,400·00	3,565·00	3,582·00
	(b) (5 : 2 : 1) Lime concrete in foundation with brick chips, surki and lime in/c. breaking chips, screening, mixing, laying, compacting to levels & curing.	do	2,794·00	2,794·00	2,794·00
4.	1½" Thick damp proof course (4 : 2 : 1) in cement concrete with cement, sand, picked jhama chips, including breaking chips, screening, centering, shuttering, casting and curing finished with a coat of bitumen.	% sft. per hundred sft.	670·00	685·00	690·00

Sl. No.	Description of Items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
5.	Sand filling in foundation trenches & plinth with fine local sand in 6" layers watering & consolidating each layer upto finished level.	per % cft. per hundred cft.	200·00	220·00	220·00
6.	Earth filling in foundation trenches and plinth in 6" layers, with earth available within 300'—0" of the building site, watering and consolidating each layer upto finished level.	per %o cft. per thousand cft.	352·00	352·00	352·00
7.	(a) Earth filling in foundation trenches & plinth in 6" layers, with carted earth to be supplied by the contractors, watering & consotidating each layer upto finished level.	per %o cft. per thousand cft.	For Dhaka, Khulna & Ctg. City. 1,600·00	For all other places. 1,400·00	For Jsr. Myn. & Kushtia. 1,000·00
	(b) Site improvement with carted earth carrid by Truck or any other means & throowing in 6" layers in/c. watering levels and consolidating each layer upto finished level.	per %o cft. per thousand cft.	For Dhaka & Ctg. city. 1,650·00	For all other Towns. 1,450·00	For —do— 1,050·00
8.	(a) Brick work with first class bricks in cement mortar (6 : 1) in foundation and plinth, racking out the joints and curing.	per % cft. per hundred cft.	2,330·00	2,448·00	2,460·00
	(b) Brick work with first class brick in lime mortar (3 : 1) in foundation and plinth, racking out the joints and curing.	per % cft. per hundred cft.	2,360·00	2,360·00	2,360·00

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts except Barisal & Patuakhali	Barisal	Patuakhali
9.	Brick walls of width one brick or one and a half brick lenght with first class bricks in cement mortar (6 : 1) in super-structure, racking out joints, scaffolding and curing : (measurement to be given as 10" width for one brick length and 15" for one and a half brick length).	per % cft.			
	(a) Ground floor :—	per hundred cft.	2,407·00	2,525·00	2,537·00
	(b) —do— —do— First floor.	do	2,432·00	2,550·00	2,562·00
	(c) —do— —do— 2nd floor.	do	2,457·00	2,575·00	2,587·00
	(d) —do— —do— Third floor.	do	2,482·50	2,600·00	2,612·00
9. (A)	For Auditorium, Godown, over-head water tank which does not cover under the above item (item No. 9) Description of the items is same as in item No. 9 above.				
	(a) Below plinth level and in ground floor (upto height 14'—0").	per % cft.	2,407·00	2,525·00	2,537·00
	(b) For each additional foot of height beyond 14'—0" upto 42'—0". (For extra amount on height, the total height from the top of plinth level to the top of roof to be measured then 14—0" ft. to be deducted).	per foot.	0·25	0·25	0·25
10.	(a) Brick work with 19 holes machine made bricks of approved size having uniform colour, carefully laid in cement mortar (4 : 1) in super-structure of ground floor with uniform width and depth joints, true to vertical and horizontal lines including racking out joints, scaffolding, curing and pointing with cement mortar (2 : 1) for all floors upto 3rd floor.	per % cft. per hundred cft.	3,581·00	3,710·00	3,720·00
	(b) Do —do— with 17 holes machine made bricks —do— —do— for all floors upto 3rd floor.	do	3,321·00	3,440·00	3,450·00

Sl No.	Description of items	Unit of rate	Rate in Taka: All Districts except Barisal & Patuakhali	Barisal	Patuakhali
11.	Providing brick work in facing in super-structure with 8" × 4" × 2" machine made ceramic pressed bricks of approved quality in cement mortar (4 : 1) including racking out joints cutting the bricks to required size wherever necessary including high class recessed pointing, cleaning, scaffolding, curing etc. complete for all floors upto 3rd floor.	per % sft.	2,295·00	2,326·00	2,336·00
12.	(a) 5" brick work with 1st class bricks in cement mortar (6 : 1) making bond with connected walls scaffolding racking out joints and curing in all floors.	per % sft. per hundred sft.	1,105·00	1,160·00	1,165·00
	(b) 5" thick brick work with 1st class brick in cement mortar (4 : 1) —do— —do— for all floors upto 3rd floor.	do	1,208·00	1,263·00	1,268·00
13.	(a) 3" thick cement concrete (6 : 3 : 1) in flooring with cement, best quality coarse sand & picked jhama chips including breaking chips, screening, mixing, laying, compacting and curing.	per % sft.	878·00	939·00	943 00
	(b) 3" thick lime concrete (5 : 2 : 1) —do— —do— —do— —do— —do— —do—	per % sft.	732·00	732·00	732·00
14.	(a) 1" thick artificial patent stone (4 : 2 : 1) flooring with cement, best quality coarse sand [$\frac{2}{3}$rd quantity of best local sand (F. M.—1·5) & $\frac{1}{3}$rd quantity of Sylhet sand or coarse sand of equivalent (F. M.—2·5)] and picked jhama chips, including breaking chips, screening laying the concrete in alternate panels, compacting & finishing the top with neat cement and curing.	per % sft.	511·00	515·00	516·00
	(b) $1\frac{1}{2}$" thick artificial patent stone (4 : 2 : 1) —do— —do— —do— —do— —do—	per % sft.	677·00	690·00	692·00

Rate in Taka.

Sl. No.	Discription of tem	Unit of rate	All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
15.	$\frac{1}{8}$" thick red oxide or any colour flooring (1 : 3) on 1" thick artificial patent stone flooring (4 : 2 : 1) with cement best quality coarse sand [($\frac{2}{3}$rd quantity of best local sand (F. M.—1·5) and $\frac{1}{3}$rd quantity of Sylhet sand or coarse sand equivalent (F. M.—2·5)] & picked jhama chips in/c. breaking chips, screening laying the concrete in alternate panels, compacting, finishing and polishing the top & curing.	per hundred foot.	12·50	12·50	12·50
16.	(a) $\frac{1}{4}$" thick (finished) silver grey situ mosaic with one part of marble chips & one part of mixture of white cement, marble dust and grey cement in proportion (1 : $1\frac{1}{2}$: 3) on 1" thick artificial patent stone flooring (4 : 2 : 1) with cement, best quality coarse sand [$\frac{2}{3}$rd quantity of best local sand (F. M.—1·5) and $\frac{1}{3}$rd quantity of Sylhet sand or coarse sand of equivalent (F. M.—2·5)] and picked jhama chips, including breaking chips, screening, laying the concrete in alternate panels, compacting, curing, polishing the top with pumice stone and finishing with oxalic acid & wax-polish in all floors (including supply of all materials).	per sft. per square foot.	22·90	23·00	23·02
	(b) $\frac{3}{8}$" thick (finished) —do— —do— (in/c. supply of all materials).	per sft.	28·85	28·95	28·97
	(c) $\frac{1}{4}$" thick (finished) —do— —do— (excluding the cost of marble chips, marble dust & white cement.)	per sft.	13·10	13·20	13·22
	(d) $\frac{3}{8}$" thick (finished) —do— —do— (excluding the cost of marble chips, marble dust and white cement.)	per sft.	14·12	14·22	14·24
17.	(a) $\frac{1}{4}$" thick (finished) silver grey situ mosaic with one part of marble chips, and one part of mixture of white cement marble dust and grey cement in proportion (1 : $1\frac{1}{2}$: 3) on minimum $\frac{1}{2}$" thick cement plaster				

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
17.	(a) (4 : 1) to walls including finishing corners and edges, curing polishing the top with pumice stone and finishing with oxalic acid and wax-polish in all floors (including supply of all materials)	per sft. per square foot.	21·15	21·25	21·27
	(b) $\frac{3}{8}$" thick (finished) —do— —do— (in/c. supply of all materials).	per sft.	27·10	27·20	27·22
	(c) $\frac{1}{4}$" thick (finished) —do— —do— (excluding the cost of marble chips, marble dust and white cement.)	per sft.	11·35	11·45	11·47
	(d) $\frac{3}{16}$" thick (finished) —do— —do— (excluding the cost of marble chips, marble dust and white cement).	per sft.	12·40	12·50	12·52
18.	(a) $\frac{1}{4}$" thick (finished) coloured mosaic in situ with one part of marble chips and one part of mixture of white cement, marble dust (1 : 1) and necessary quantity of colouring materials on 1" thick artificial patent stone flooring (4 : 2 : 1) with cement, best quality coarse sand [$\frac{2}{3}$rd quantity of best local sand (F. M.—1·5) and $\frac{1}{3}$rd quantity of Sylhet sand or coarse sand of equivalent (F. M.—2·5)] and picked jhama chips including breaking chips, laying the concrete in alternate panels, compacting, curing screening, polishing the top with pumice stone and finishing with oxalic acid and wax-polish in all floors (including supply of all materials).	per sft. per square foot.	28·25	28·35	28·37
	(b) $\frac{3}{8}$" thick (finished) —do— —do— (in/c. supply of all meterials).	per sft.	36·85	36·95	36·97
	(c) $\frac{1}{4}$" thick (finished) —do— —do— (excluding the cost of marble chips, marble dust and white cement).	per sft.	14·80	14·90	14·92
	(d) $\frac{3}{8}$" thick (finished) —do— —do— (excluding the cost of marble chips, marble dust and white cement).	per sft.	15·65	15·75	15·77

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
19.	(a) $\frac{1}{4}$" thick (finished) coloured mosaic in situ with one part of marble chips, one part of mixture of white cement and mable dust (1 : 1) and necessary quantity of colouring materials on minimum $\frac{1}{2}$" thick cement plaster (4 : 1) to walls including finishng corners and edges, polishing the top with pumice stone and finishing with oxalic acid and wax-polish in all floors (including supply of all materials).	per sft.	26·50	26·60	26·62
	(b) $\frac{3}{8}$" thick (finished) —do— —do— (in/c. sudply of all materials).	per sft.	35·10	35·20	35·22
	(c) $\frac{1}{4}$" thick (finished) —do— —do— (excluding the cost of marble chips, marble dust and white cement).	per sft.	13·05	13·15	13·17
	(d) $\frac{3}{8}$" thick (finished) —do— —do— (excluding the cost of marble chips, marble dust and white cement).	per sft.	14·95	15·05	15·07
20.	(a) Silver grey mosaic terrazo tiles (8" × 8" × $\frac{3}{4}$") flooring with $\frac{1}{4}$" thick (finished) mosaic top with one part of marble chips and one part of mixture of white cement, marble dust and grey cement in proportion (1 : 1$\frac{1}{2}$: 3) machine pressed on cement mortar base (2 : 1) including preparing the base, settling the tiles in cement slurry and lime mortar with best quality lime and surki (1 : 3) polishing the top with pumice stone & finishing with oxalic acid & wax-polish in all floors (including supply of all materials.)	per sft. per square foot.	24·05	24·15	24·17
	(b) $\frac{3}{8}$" thick (finished) —do— —do— (in/c. supply of all materials).	per sft.	30·00	30·10	30·12
	(c) $\frac{1}{4}$" thick (finished) —do— —do— (excluding the cost of marble chips, marble dust and white cement.	per sft.	14·25	14·35	14·37
	(d) $\frac{3}{8}$" thick (finished) —do— —do— (excluding the cost of marble chips, marble dust and white cement)	per sft.	15·45	15·55	15·57

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
21.	(a) Coloured mosaic terrazo tiles (8"×8"×¾") flooring having ¼" thick (finished) mosaic top with one part of marble chips and one part of mixture of white cement & marble dust in proportion (1 : 1) and necessary quantity of colouring materials machine pressed on cement mortar (2 : 1) base in/c. preparing the base, setting the tiles in cement slurry and lime mortar with best quality lime and surki (1 : 3) polishing the top with pumice stone and finishing with oxalic acid and wax-polish in all floors (including supply of all materials).	per sft. per square foot.	29·40	29·50	29·52
	(b) ⅜" thick (finished) —do— —do— —do— —do— (including supply of all materials).	per sft.	38·00	38·10	38·12
	(c) ¼" thick (finished) —do— —do— —do— —do— (excluding the cost of marble chips, marble dust and white cement).	per sft.	15·95	16·05	16·07
	(d) ⅜" thick (finished) —do— —do— —do— —do— (excluding the cost of marble chips, marble dust and white cement).	per sft.	17·80	17·90	17·92
22.	(a) Design mosaic terrazo tiles (8"×8"×¾") flooring having ¼" thick (finished) mosaic top with one part of marble dust in proportion (1 : 1) and necessary quantity of colouring preparing the base, setting the tiles in cement slurry & lime mortar with best quality lime and surki (3 : 1) polishing the top with pumice stone and finishing with oxalic acid and wax-polish in all floors (including supply of all materials).	per sft. per square foot.	30·65	30·75	30·77
	(b) ⅜" thick (finished) —do— —do— —do— —do— (including supply of all materials).	per sft.	39·65	39·75	39·77
	(c) ¼" thick (finished) —do— —do— —do— —do— (excluding the cost of marble chips, marble dust and white cement).	per sft.	17·45	17·55	17·57

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
22.	(d) $\frac{3}{8}$" thick (*finished*) —*do*— —*do*— —*do*— —*do*— (excluding the cost of marble chips, marble dust and white cement).	per sft.	19·45	19·55	19·57
23.	3" thick reinforced brick work in cement mortar (4 : 1) with 2 Nos. $\frac{1}{4}$" dia *M. S.* Rods at every 3rd layer, providing, bonds with connected walls in all floors *in/c. curing etc. complete.*	per % sft. per hundred square foot.	975·00	985·00	987·00
24.	Minimum $\frac{1}{2}$" thick cement plaster (4 : 1) to dado & plinth wall upto 6" below ground level, neat cement finishing and finishing edges and corners and curing in all floors upto 3rd floors.	per sft.	338·00	350·00	352·00
25.	Minimum $\frac{1}{2}$" thick cement plaster (6 : 1) to walls, both inner and outer surfaces, finishing corners and edges and curing in all floors upto 3rd floor.	per % sft. per hundred square foot.	278·00	301·00	304·00
26.	*Minimum* $\frac{1}{4}$" thick *cement plaster* (4 : 1) *to ceiling* R. C. C. *columns* beams, surface of stair case, sunshades, cornices, railing, drop wall, louvers and fins in/c. cleaning the surfaces, finishing corners and edges and curing in all floors upto 3rd floor.	per % sft. per hundred square foot.	203·00	213·00	214·00
27.	*Rules pointing to brick walls with cement mortar* (2 : 1) *raking out* the joints and curing in all floors upto 3rd floor.	per %o sft. per thousand square foot.	188·00	193·00	195·00
28.	White washing three coats with slaked lime, supply of gum, blue pigment and necessary cleaning before and after the wash for all *floors upto 3rd floor.*	per %o sft. per thousand square foot.	190·00	190·00	190·00

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
29.	Colour wash with yellow orchre two coats over a prime coat of white wash with slaked stone lime, supply of gums, necessary cleaning before and after the wash for all floors upto 3rd floor.	per %o sft. per thousand square foot.	300·00	300·00	300·00
30.	Reinforced concrete works (4 : 2 : 1) with cement, best quality coarse sand [$\frac{2}{3}$rd quantity of best local sand (F. M.—1·5) and $\frac{1}{3}$rd quantity of Sylhet sand or coarse sand of equivalent (F. M.—2·5)] picked jhama chips, including breaking chips and screening, centering, shuttering, placing of rod in position, mixing the aggregates, casting in forms, compacting and curing (excluding the cost of reinforcement and its fabrication).				
	In :— Individual and continuous footing of columns, rafts and floor slab at plinth level.	per cubic foot.	45·65	46·80	46·98
31.	Reinforced concrete works (4 : 2 : 1) with cement, best qaulity coarse sand [$\frac{2}{3}$rd quantity of best local sand (F. M.—1·5) & $\frac{1}{3}$rd quantity of Sylhet sand or coarse sand of equivalent (F. M.—2·5)] picked jhama chips, including breaking chips, screening & centering shuttering placing of rod in position mixing the aggregates, casting in forms compacting and curing (excluding the cost of reinforcements and its fabrication).				
	In :— Foundation beam.	per cubic foot.	50·65	51·80	51·98
32.	Reinforced concrete works (4 : 2 : 1) with cement best quality coarse sand [$\frac{2}{3}$rd quantity of best local sand (F. M.—1·5) and $\frac{1}{3}$rd quantity of Sylhet sand or coarse sand of equivalent (F. M.—2·5)] picked jhama				

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
32.	chips including breaking chips and screening, centering, shuttering, placing of rod in position, mixing the aggregates, casting in forms, compacting and *curing (excluding the cost of reinforcement and its fabrication)*.				
	In :— Pedestals, columns, capitals, lift walls and walls.				
	(a) Below plinth level and in ground floor.	per cubic foot.	67·30	68·40	68·58
	(b) First floor.	do	68·30	69·40	69·58
	(c) Second floor.	do	69·30	70·40	70·58
	(d) Third floor.	do	70·30	71·40	71·58
32. A·	*For Auditorium, Godown, over-head water tank which does not cover under the above item (item No. 32)*				
	Description of the items is same as in item No. 32 above.				
	(Pedestals, columns, capitals, lift walls & walls).				
	(a) Below plinth level & in ground floor upto 14'—0" height.	per cubic foot.	67·30	68·40	68·58
	(b) For each *additional foot of height beyond* 14'—0" upto 42'—0" height.	do	0·32	0·32	0·32
	(For extra amount on height, the total height from the top of plinth level to the top of roof to be measured then 14'—0" ft. to be deducted).				
33.	Reinforced concrete works (4 : 2 : 1) with cement, best quality coarse sand [⅔rd quantity of best local sand (F. M.—1·5) ⅓rd quantity of Sylhet sand or coarse sand of equivalent (F. M.—2·5)] picked jhama chips, including breaking chips and *screening, centering, shuttering, placing*				

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts except Barisal & Patuakhali	Barisal	Patuakhali
33.	of rod in position, mixing the aggregates, casting in forms, compacting and curing (excluding the cost of reinforcement and its fabrication).				
	In :— Tie Beams and lintels.				
	(a) Ground floor.	per cubic foot.	56·00	57·15	57·33
	(b) First floor.	do	57·00	58·15	58·33
	(c) Second floor.	do	58·00	59·15	59·33
	(d) Third floor.	do	59·00	60·15	60·33
34.	Reinforced concrete works (4 : 2 : 1) with cement best quality coarse sand [$\frac{2}{3}$rd quantity of best local sand (F. M.—1 5) $\frac{1}{3}$rd quantity of Sylhet sand or coarse sand of equivalent (F. M.—of 2·5)] picked jhama chips in/c. breaking chips & screening, centering, shuttering placing of rod in position mixing the aggregates, casting in forms, compacting & curing (excluding the cost of reinforcement and its fabrication).				
	In :— Tee Beams Ell beams, Rectangular Beams. (Exposed breadth and width of ribs to be measured only).				
	(a) Ground floor.	per cubic foot.	66·75	67·90	68·08
	(b) First floor.	do	67·75	68·90	69·08
	(c) Second floor.	do	68·75	69·90	70·08
	(d) Third floor.	do	69·75	70·90	71·08

Sl. No.	Discription of tem	Unit of rate	All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
			Rate in Taka.		
34. (A)	For auditorium, Godown, over-head water Tank or other type of tall structures which do not cover the above item (item No. 34) Description of the items is same as in item No. 34 above.				
	(a) Below plinth level in ground floor :—	per cubic foot.	66·75	67·90	68·08
	(b) For each additional foot of hieght beyond 14'—0" upto 20'—0" height.	do	1·50	1·50	1·50
	(c) For each additional foot of height beyond 20'—0" upto 42'—0" height. (For extra amount on height, the total hieght from the top of plinth level to the top of roof to be measured then 14'—0" ft. to be deducted).	do	1·60	1·60	1·60
35.	Reinforced concrete works (4 : 2 : 1) with cement best quality coarse sand [$\frac{2}{3}$rd quantity of best local sand (F. M.—1·5) and $\frac{1}{3}$rd quantity of Sylhet sand or coarse sand of equivalent (F. M.—2·5)] picked jhama chips including breaking chips & centering, shuttering, placing of rod in position, mixing the aggregates, casting in form, compacting & curing (excluding the cost of reinforcement & its fabrication). In :— Roof slab of all types, centilever slabs and drop panels, excluding floor slab of ground floor at plinth level.				
	(a) Ground floor.	per cubic foot.	59·30	60·45	60·63
	(b) First floor.	do	60·30	61·45	61·63
	(c) Second floor.	do	61·30	62·45	62·63
	(d) Third floor.	do	62·30	63·45	63·63

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts except Barisal & Patuakhali	Barisal	Patuakhali
35.	(A) For Auditorium, Godown, over-head water tank other type of all structures which do not cover the above item (item No. 35). Description of the items is same as in item-35 above.				
	(a) For ground floor (upto 14'—0" height including plinth level.)	per cubic foot.	59·30	60·45	60·63
	(b) For each addtional foot of height beyond 14'—0" upto 12'—0" height. (For extra amount on height, the total height from the top of plinth level to the top of roof to be measured then 14'—0" ft. to be deducted).	do	0·66	0·66	0·66
36.	Reinforced concrete works (4 : 2 : 1) with cement, best quality coarse sand [$\frac{2}{3}$rd quantity of best local sand (F. M.—1·5) and $\frac{1}{3}$rd quantity of Sylhet sand or coarse sand of equivalent (F. M.—2·5)] picked jhama chips, including breaking chips and screening, centering, shuttering, placing of rod in position, mixing the aggregates, casting in forms, compacting & curing (excluding the cost of reinforcement & its fabrication). In :— Sunshades, cornices, railings, drop walls, louvers and fins for all floors upto third floors average $2\frac{1}{2}$" to $3\frac{1}{2}$" thick.	per sft.	18·85	19·15	19·20
37.	Reinforced concrete works (4 : 2 : 1) with cement, best quality coarse sand [$\frac{2}{3}$rd quantity of best local sand (F. M.—1·5) & $\frac{1}{3}$rd quantity of Sylhet sand or coarse sand of equivalent (F. M.—2·5)] picked jhama chips in/c. breaking chips & screening, centering, shuttering, placing of rod in position, mixing the agreegates, casting in forms, compacting & curing (excluding the cost of reinforcement & its fabrication). In :— Stair case slabs & steps for all floors upto third floors.	per cubic foot.	62·75	63·58	64·03

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
38.	$2\frac{1}{2}$" thick precast or cast in situ R. C. C. Jally work (4 : 2 : 1) with cement, best quality coarse sand [$\frac{2}{3}$rd quantity of best local sand (F. M.—1·5) & $\frac{1}{3}$rd quantity of Sylhet sand or coarse sand of equivalent (F. M.—2·5)] picked jhama chips including breaking chips, screening, making forms, mixing the aggregates, casting it with reinforcement in position, setting the Jally with cement mortar (4 : 1) for precast works & Minimum $\frac{1}{4}$" thick cement plaster (4 : 1) for finishing the edge and corners (without the cost of M. S. Rod & fabrication) for all floors upto third floors.	per sft. per square foot.	22·40	23·00	23·05
39.	Reinforced concrete works with a mix of proportion (3 : $1\frac{1}{2}$: 1) to give a *minimum of 3,000 psi, concrete* strength of 6" dia & 12" long cylinder from a machine mixed typical batch with fresh cement, best quality coarse screen Sylhet sand of minimum (F. M.—2·5) and $\frac{3}{4}$" down graded crushed stone chips (including cost of breaking chips) in/c, screening, through proper sieves, cleaning & washing thoroughly, centering, shuttering, with M. S. sheet and steel forms, placing of reinforcement cage in position, mixing the aggregates in mixture machine, casting in steel forms using noxcrete, of similar suitable chemical, compacting by Mechanical Vibrators and tappered rods and curing as per direction of the Engineer-in-Charge, complete in all respects (excluding the cost of reinforcement & its fabrications), all R. C. C. surface to be fair face finished and smooth and no plastering will be permitted thereon :				
	(a) In :— individual & continuous footing of columns rafts and floor slab at plinth level.	per cubic foot.	57·55	57·95	58·15

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
39.	(b) —do— —do— in foundation beams.	per cubic foot.	62·55	62·95	63·15
	(c) —do— —do— in pedestals, coloumns, capitals, lifts walls and walls.				
	(i) Below plinth level & in ground floors.	per cubic foot.	76·40	76·85	77·05
	(ii) First floor.	do	77·40	77·85	78·05
	(iii) Second floor.	do	78·40	78·85	79·05
	(iv) Third floor.	do	79·40	79·85	80·05
	(d) —do— —do— —do— In Tee Beams and lintels :—				
	(i) Ground floor. ... ... —	per cnbic foot.	67·85	68·30	68·50
	(ii) First floor.	do	68·85	69·30	69·50
	(iii) Second floor.	do	69·85	70·30	70·50
	(iv) Third floor.	do	70·85	71·30	71·50
	(e) —do— —do— In Tee Beams, Beams, Rectangular Beams, (Exposed breadth and width of ribs to be measured only) :—				
	(i) Ground floor.	per cubic foot.	73·75	74·20	74·40
	(ii) First floor.	do	74·75	75·20	75·40
	(iii) Second floor.	do	75·75	76·20	76·40
	(iv) Third floor.	do	76·75	77·20	77·40
	(f) —do— —do— In roof slab of all types, cantilever, slabs & drop panels, excluding floor slab of ground floor at plinth level.				
	(i) Ground floor.	per cubic foot.	73·90	74·35	75·65

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
39.	(ii) First floor.	per cubic foot.	74·90	75·35	76·65
	(iii) Second floor.	do	75·90	76·35	77·65
	(iv) Third floor.	do	76·90	77·35	78·65
	(g) —do— —do— In sunshades, cornices, railings drop walls, louvers, and fins for all floors upto third floors (Average 2½" to 3½"thick).	per square foot.	21·80	21·92	21·95
	(h) —do— —do— In stair case slabs and steps for all floors upto third floors.	per cubic foot.	75·40	75·85	76·05
40.	Reinforced concrete works (4 : 2 : 1) with cement, best quality coarse sand of equivalent (F. M.—2·00) picked jhama chips in/c. breaking chips and screening, centering, shuttering, placing of rod in position mixing the aggregates, casting in forms, compacting and curing (Excluding the cost of reinforcement and its fabrication). (When used with approval of the S. E. concerned) in inaccessible place for less important works and modern economically viable works etc.				
	(a) In individual and continuous footing of columns, rafts and floors slab at plinth level.	per cubic foot.	45·35	46·80	46·95
	(b) —do— —do— In foundation beams.	per cubic foot.	50·35	51·80	51·95
	(c) —do— —do— In pedestals, columns, capitals, lift walls and walls.				
	(i) Below plinth level & in ground floors.	per cubic foot.	67·00	68·45	68·60
	(ii) First floor.	do	68·00	69·45	69·60
	(iii) Second floor.	do	69·00	70·45	70·60
	(iv) Third floor.	do	70·00	71·45	71·60

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
40.	(d) —do— —do— In Tee Beams and Lintels.				
	(i) Ground floor.	per cubic foot.	55·65	57·10	57.25
	(ii) First floor.	per cft.	56·65	58·10	58·25
	(iii) Second floor.	per cft.	57·65	59·10	59·25
	(iv) Third floor.	per cft.	58·65	60·10	60·25
	(e) —do— —do— —do— In Tee Beams, Ell Beams, Rectangular Beam (Exposed bredth and width of ribs to be measured only).				
	(i) Ground floor.	per cubic foot.	66·40	67·85	68 00
	(ii) First floor.	per cft.	67·40	68·85	69·00
	(iii) Second floor.	per cft.	68·40	69·85	70·00
	(iv) Third floor.	per cft.	69·40	70·85	71·00
	(f) —do— —do— —do— In Roof slab of all types, cantilever slabs drop panels excluding floor slab of ground floor at plinth level.				
	(i) Ground floor.	per cubic foot.	58·95	63·40	63·55
	(ii) First floor.	per cft.	59·95	64·40	64·55
	(iii) Second floor.	per cft.	60·95	65·40	65·55
	(iv) Third floor.	per cft.	61·95	66·40	66·55
	(g) —do— —do— —do— —do— In sunshades, cornices, railings, drop walls, louvers & fins for all floors upto 3rd floors (average $2\frac{1}{2}$" to $3\frac{1}{2}$" thick).	per sft.	18·75	19·05	19·05
	(h) —do— —do— —do— —do— In stair case slabs and steps for all floors upto 3rd floor.	per cubic foot.	62·45	63·90	64·05

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
40.	(i) 2½" thick precast or cast in situ R. C. C. Jally work (4 : 2 : 1) with cement, best quality coarse sand of equivalent (F. M.—2·00) picked jhama chips including breaking chips, screening, making forms, mixing the aggregates, casting it with reinforcement in position setting the jally with cement mortar (4 : 1) for precast work and minimun ½" thick cement plaster (4 : 1) finishing the edge and corners (without the cost of M. S. Rod and its fabrication) all floors upto 3rd floors.	per square foot.	22·35	22·50	22·55
41.	Supplying, fabrication and fixing to details as per design mild steel rod reinforcement in concrete or brick work or wherever prescribed with straightening and cleaning the rust if any binding in position with supply of wires, for all floors upto third floors.	per cwt. (112 lb) per hundred weight.	790·00	790·00	790·00
42.	Supplying and laying of single layer polythene sheet weighing one pound per thirty square feet in floor below cement concrete reinforced concrete slab etc. complete in all respects as per direction of the Engineer-in-charge.	per % sft. per hundred square foot.	155·00	155·00	155·00
43.	Constructing expansion joints, 1½" gaps in R. C. slabs or beams with 10" high shoulders on both side of the gaps, cast monolithic providing copper sheet with loop notch and inserted 6" in concrete shoulder, the gap being filled up with mixture of hot bitumen and sand (2 : 1) with surface finished with minimum ½" cement plaster (4 : 1) and curing in all floors upto third floors.	per rft. per running foot.	149·00	150·55	150·75
44.	Precast ventilators (1" thick) of any design with cement mortar (2 : 1) fitted and fixed in position, finished with cement plaster (6 : 1) and curing in all floors.	per square foot.	23·00	23·40	24·55

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts except Barisal & Patuakhali	Barisal	Patuakhali
45.	Constructing 1'—0" clear width depth upto 12" brick masonry surface drain with 5" thick check wall in cement mortar (6 : 1) on 3" thick cement concrete base (6 : 3 : 1) over one layer of brick flat soling the surfaces having minimum ½" thick cement plaster (3 : 1) and neat cement finishing curing inf/c. excavation of all kinds of soils, back filling with fine sand consolidating & dressing.	per rft.	56·00	56·90	57·05
46.	Constructing surface drain of 2'—0" (av.) depth & 9" clear width at the bottom and 1'—9" at the top having 5" thick cement concrete (4 : 2 : 1) curb upto 1'— 0" from the bottoom and the side slopes of the remaining 1'—0" hight provided with 5" thick 1st class brick work in cement mortar (6 : 1) including minimum ½" thick cement plaster (3 : 1) and neat cement finishing the surfaces and the back of the drain upto 6" below ground level and curing including excavation of all kinds of soil, back filling with sand, consolidating & dressing.	per rft.	106·60	110·00	110·30
47.	(a) Av. 4" thick beaten lime terracing (7 : 2 : 2) on roof slab, mixing, laying to slopes and consolidating making ghoondy, neat finishing with ¼" thick lime mortar (2 : 1) and curing.	per % cft. per hundred cubic foot.	3833·00	3833·00	3833·00
	(b) Av. 2½" thick (half lime terrcing) —do— —do—	per % cft.	4188·00	4188·00	4188·00
	(c) Renewing ½" thick water proofing for inclined roof only with premixed bituminous emulsion over the roof surface one layer of Hension cloth 12/OZ/Yd. overa tack cost @ 15 lbs. per % sft. of the roof surface then providing one coat bituninous paint over the Hassian cloth @ 25 lbs. per % sft., ½" thick permixed bituminous carpeting @ 4 cft.				

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts except Barisal & Patuakhali	Barisal	Patuakhali
47. (c)	of Sunamganj sand (F. M.—2·5) to be mixed with 20 lbs. of hot bitumen per % sft. and laying the same over % sft. of roof surface in/c. maintaintng proper slopes and grade then applying bituminous seal coat @ 10 lbs. per % sft. after 24 hours 1 (one) cft. of dry Sunamgonj sand (F. M.—2·5) to be applied per % sft. of roof surface etc. complete in all respect including proper compacting with kunny to make it harden as per direction of the Engineer-in charge in/c. cleaning mosses from the existing roof surface before applying the water proofing etc. all complete.	per % sft. per hundred square foot.	600·00	600·00	600·00
48.	3" cornice of brick Masonry 3" thick in cement mortar (6 : 1) having minimum ½" thick cement plaster (6:1) and curing for all floors upto third floor.	per running foot.	6·25	6·70	6·75
49.	Supplying fan hook of ⅜" dia Mild steel rod, fabrication and fixing in position in all floors.	Each.	24·00	24·00	24·00
50.	Supplying 4" dia iron rain water down pipes fitted and fixed in positon with sockets, head and shoe bends, clamps and nails for all floors upto third floors.	per running foot.	65·35	65·35	65·35
51.	Supplying 4" dia best quality R. C. rain water down pipes fitted and fixed in position with sockets, head and shoe bends, clamps and nails for all floors upto third floors.	per running foot.	20·00	20·00	20·00
52.	Supplying 4" dia asbestos rain water down pipes fitted & fixed in position with sockets, head and shoe bends, clamps and nails for all floors upto third floors.	per running foot.	44·25	44·25	44·25

Sl. No.	Description of items	Unit of rate	Rate in Taka. All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
53.	Providing bearing joints fixed or free with 10" × 15" × $\frac{3}{8}$" M. S. shoe plate fitted in the truss, angles with $\frac{5}{8}$" dia M. S. Rod counter sunk rivets and anchored to 10" × 15" × $\frac{3}{8}$" M. S. Sole plate by two Nos. $\frac{3}{4}$" dia M. S. "U". Rod embeded in the bed of the lintel around the reinforcement clearing and greasing the joints for all floors upto 3rd floors.	Each.	500·00	500·00	500·00
54.	(a) 24 B. W. G. galvanized iron corrugated sheet roofing, fitted and fixed on M. S. Sections or wooden purline with screws, limpet washers and putty etc. all complete.	per % sft. per hundred square foot.	1985·00	1985·00	1985·00
	(b) Supplying, fitting & fixing $\frac{1}{4}$" thick corrugated Asbestos sheet roofing, end lapping of sheet not less than 6", fitted and fixed on 3" × 3" size well seasoned garjan wood purlins and fixed with $\frac{1}{4}$" dia G. I. anchor hook with necessary wooden block as per required size in/c. supplying necessary nuts, bolts, nails, washers etc. complete as per direction of the Engineer-in charge.	per square foot.	37·00	37·00	37·00
55.	Galvanized iron plain sheet ridging with 12" lap on either side fitted and fixed with galvanized bolts & nuts etc. complete.	per running foot.	27·00	27·00	27·00
56.	Mild steel work in roof truss, supplying and fabrication of mild steel sections as per design, hoisting fitting, fixing in position with bolts and nuts or rivets or welded and providing two coats of anticorrosive paint over a prime coat of red oxide paint (measurement to be given for solid steel section).	per cwt.	1045·00	1045·00	1045·00

Rate in Taka

Sl. No.	Description of items	Unit of rate	All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
57.	Wood work in door and window frames, painting two coats of coalter to the surface in contact with walls, fitted and fixed in position mending good the damages if any.				
	(a) —do— —do— Jam, Garjan, Sundari wood.	per cubic foot.	248·00	248·00	248·00
	(b) —do— —do— Kathal wood.	do	281·00	281·00	281·00
	(c) —do— —do— Jarul wood.	do	336·00	336·00	336·00
	(d) —do— —do— Local Sal wood (Modhupur).	do	336·00	336·00	335·00
	(e) —do— —do— Telshu wood.	do	391·00	391·00	391·00
	(f) —do— —do— Silkarai wood.	do	314·00	314·00	314·00
58.	Supplying, fitting & fixing M. S. Flat bar clamp 1'—3" × 1½" × ¼" bifurcated ends to door and window frames with screws encasing inside the wall with cement concrete (4 : 2 : 1).	per piece.	21·00	21·00	21·00
59.	Labour for driving wooden bullah piles in foundation to depth as per design by any system with the arrangement of staging & hoisting (the dia of the piles being between 5" & 6" measured at 5' from the thin end).	per rft.	9·00	9·00	9·00
60.	Labour for wood work in door and window frames, painting two coats of coalter to the surface in contact with the walls, fitted and fixed in position, mending good the damages if any.	per cft.	62·00	62·00	62·00
61.	Supplying, fitting & fixing 1½" thick solid wood door shutter having closed joints and provided with best quality 3 Nos. 4" iron hinges, 2 (two) Nos.				

Rate in Taka

Sl. No.	Description of items	Unit of rate	All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
61.	best quality ½" dia 1'—0" and 9" long iron tower and socket bolts, heavy type brass handle, hinged cleats, buffer blocks and finished with sand papering for all floors. (Single leaf door).				
	(a) Kathal wood.	per square foot.	49·00	49·00	49·00
	(b) Silkarai wood.	do	53·35	53·35	53·35
	(c) Gammar.	do	53·35	53·35	53·35
	(d) C. T. wood.	do	92·30	92·30	92·30
	(e) B. T. wood.	do	164·45	164·45	164·45
	(f) Chapalish wood.	do	54·80	54·80	54 80
	(g) Teak Chambal wood.	do	60·55	60·55	60·55
62.	Supplying, fitting & fixing 1½" thick wood flush door shutter having a frame of top, lock and bottom rails of section 4" × 1½", styles 4" × 1½" covered with 4" × 1½" plank screwed to each face and provided with best quality 3 Nos. 4" iron hinges, 2 (two) Nos. best quality 1'—0" and 9" long iron tower and socket bolts, heavy type brass handles, hinged cleats, buffer blocks and finished with sand papering for all floors (single leaf door).				
	(a) Kathal wood.	per square foot.	45·00	45·00	45·00
	(b) Silkarai wood.	do	48·60	48·60	48·60
	(c) Gammar wood.	do	48·60	48·60	48·60
	(d) C. T. wood.	do	80·66	80·66	80·66
	(e) B. T. wood.	do	140·00	140·00	140·00
	(f) Chapalish wood.	do	50·00	50·00	50·00
	(g) Teak Chambal wood.	do	54·50	54·50	54·50

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
63.	Supplying, fitting & fixing 1½" thick wood panel door shutter, top rail and styles of section 4"×1½", lock rail 5"×1½" and bottom rail 9"×1½" panelling 1⅛" thick both sides raised, provided with best quality 3 Nos. 4" iron hinges, 2 (two) Nos. best quality ½" dia 1'—0" and 9" long iron tower and socket bolts, heavy types brass handle hinged cleats, buffer blocks and finished with sand papering for all floors (Double leaf).				
(a)	—do— —do— Kathal wood.	per square foot.	56·60	56·60	56·60
(b)	—do— —do— Silkarai wood.	do	61·60	61·60	61·60
(c)	—do— —do— Gammar wood.	do	61·60	61·60	61·60
(d)	—do— —do— C. T. wood.	do	106·80	106·80	106·80
(e)	—do— —do— B. T. wood.	do	190·70	190·70	190·70
(f)	—do— —do— Chapalish wood.	do	63·30	63·30	63·30
(g)	—do— —do— Teak Chambal wood.	do	70·00	70·00	70·00
64.	Supplying, fitting & fixing 1½" thick wood panel door shutter, top rail and styles of section 4"×1½", lock rail 5"×1½" & bottom rail 9"×1½", panelling 1" thick one side raised, provided with best quality 3 Nos. 4" iron hinges, 2 (two) Nos. best quality ½" dia 1'—0" and 9" long tower & socket bolts, heavy type brass handle hinged cleats, buffer blocks and finished with sand papering for all floors. (Double leaf).				
(a)	—do— —do— Kathal wood.	per square foot.	48·95	48·95	48·95
(b)	—do— —do— Silkarai wood.	do	53·15	53·15	53·15

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
64.	(c) —do— —do— Gammar wood.	per square foot.	53·15	53·15	53·15
	(d) —do— —do— B. T. Wood.	do	161·30	161·30	161·30
	(e) —do— —do— C. T. Wood.	do	91·00	91·00	91·00
	(f) —do— —do— Chapalish wood.	do	54·55	54·55	54·55
	(g) —do— —do— Teak Chambal wood.	do	60·15	60·15	60·15
65.	Supplying, fitting & fixing 1" thick Kathal wood door and window shutters having 3" × 1" 'Z' battens, provided with best quality 3 Nos. 4" iron hinges, 2 (two) Nos. 2½" dia iron ring fitted with nuts, 2 Nos. 1'—0" and 9" iron tower bolts and socket bolts (½" dia), hinged cleats, buffer blocks and finished with sand papering for all floors.	per square foot.	39·60	39·60	39·60
66.	Supplying, fitting & fixing 1½" thick wood glazed window shutters having horizontal and vertical sections of 3½" × 1½" and sash bar 1½" × 1½" fitted with 3 m. m. glass panes with putty and nails and provided with best quality ½" dia 9" and 6" long iron tower and socket bolts brass handle, 9" long catch hooks or hinged cleats, buffer blocks and finished with sand papering for all floors.				
	(a) —do— —do— Kathal wood.	per square foot.	49·90	49·90	49·90
	(b) —do— —do— Silkarai wood.	do	52·55	52·55	52·55
	(c) —do— —do— Gammar wood.	do	52·55	52·55	52·55
	(d) —do— —do— C. T. Wood.	do	76·50	76·50	76·50
	(e) —do— —do— B. T. Wood.	do	120·80	120·80	120·80
	(f) —do— —do— Chapalish wood.	do	53·45	53·45	53·45
	(g) —do— —do— Teak Chambal Wood.	do	57·00	57·00	57·00

Sl. No.	Description of items	Unit of rate	Rate in Taka. All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
67.	Supplying, fitting & fixing of $1\frac{1}{2}$" thick wood window shutters, one third glazed & $1\frac{1}{2}$" thick two third both sides raised panelling having horizontal vertical sections of $3\frac{1}{2}" \times 1\frac{1}{2}"$ and sash bars $1\frac{1}{2}" \times 1\frac{1}{2}"$ fitted with 3 m. m. glass panes with putty & rails and provided with best quality 4" iron hinges 4 (four) Nos. best quality $\frac{1}{2}$" dia 9" long iron tower and socket bolts, brass handle, 9" long catch hooks or hinged cleats, buffer blocks and finished with sand papering for all floors.				
(a)	—do— —do— Kathal Wood.	per square foot.	53·15	53·15	53·15
(b)	—do— —do— Silkarai Wood.	do	57·45	57·45	57·45
(c)	—do— —do— Gammar Wood.	do	57·45	57·45	57·45
(d)	—do— —do— C. T. Wood.	do	91·20	91·20	91·20
(e)	—do— —do— B. T. Wood.	do	168·25	168·25	168·25
(f)	—do— —do— Chapalish Wood.	do	58·90	58·90	58·90
(g)	—do— —do— Teak Chambal Wood.	do	64·65	64·65	64·65
68.	Extra for using brass fittings in place of iron fittings in doors and windows for all floors.				
	(a) For Doors :—	per square foot.	5·50	5·50	5·50
	(b) For Windows :—	do	5·00	5·00	5·00
69.	Supplying, fitting & fixing window grills made of $\frac{5}{8}$" dia M. S. rods @ 4" C/C., fitted with M. S. plate ($1\frac{1}{2}" \times \frac{1}{4}"$) three Nos. horizontal including fabrication, welding or revetting and painting two coats of paint, over a coat of priming for all floors.	per square foot.	40·70	40·70	40·70

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts except Barisal & Patuakhali	Barisal	Patuakhali
70.	Supplying, fitting & fixing window grills of any design made of mild steel section ($\frac{3}{4}'' \times \frac{1}{8}''$) with outer frame of F. I. bar ($1'' \times \frac{1}{4}''$), fabricating, welding, painting with two coats of paint, over a coat of priming for all floors.	per square foot.	40·90	40·90	40·90
71.	Supplying, fitting & fixing steel glazed window shutter with frames as per design having $\frac{3}{4}'' \times \frac{3}{4}'' \times \frac{1}{8}''$ 'Z' section in frame and 'T' section for horizontal dividers of shutters and $1'' \times \frac{1}{8}''$ F. I. bar for middle vertical members of frames including all cost of charges for fabrication and manufacture by welding, revetting etc. supplying all essential fittings like stopper, handle 12" long, adjustable cleats, iron pins, hinges, clamps, for fitting frame including supplying and fitting, fixing 3 m. m. glass panes by pucca putty and painting the window two coats of synthetic enamel paint over a coat of anticorrosive priming, making necessary holes in walls and R. C. C. works as necessary filling with C. C. (4 : 2 : 1) and mending good the damages including all cost of carriage and labour in fitting, fixing etc. complete as per direction of the Engineer-in-charge and as per drawing and design.	per square foot.	97·65	97·65	97·65
72.	Wood work in frames of roof truss with wall plates as per design supplying, fabricating, hoisting, fitting & fixing in position with bolts and nuts etc. complete.				
	(a) —do— —do— Garjan, Sundari, Jam wood.	per square foot.	253·00	253·00	253·00
	(b) —do— —do— Silkarai Wood.	—do—	319·00	319·00	319·00
	(c) —do— —do— Telshu Wood.	—do—	396·00	396·00	396·00
	(d) —do— —do— Jarul Wood.	—do—	341·00	341·00	341·25
	(e) —do— —do— Local Sal wood. (Modhupur)	—do—	341·00	341·00	341·20

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
73.	Painting to door and window frames & shutters, two coats with synthetic enamel ready mixed paint of best quality and approved colour over a coat of priming including finishing and polishing with sand paper.	per % sft. per hundred square foot.	255·00	255·00	255·00
74.	Oil bound distempering two coats over a coat of priming of chalk wash with glue including cleaning and sand papering the surface.	per % sft.	180·00	180·00	180·00
75.	Plastic painting of best quality and approved colour to walls and ceiling three coats with putty work cleaning and sand papering the surface.	per % sft.	210·00	210·00	210·00
76.	French polishing to door and window frames and shutter three coats over a coat of priming including finishing and polishing with sand paper.	per % sft.	225·00	225·00	225·00
77.	(a) Snow cem washing of approved quality and colour (Bangladeshi made) 2 coats over a coat of priming including cleaning and sand papering the surface etc. all complete in all respect.	per % sft.	175·00	175·00	175·00
	(b) —do— —do— —do— (Foreign made) —do— —do— —do— —do—	per % sft.	264·00	264·00	264·00
78.	Providing barbed wire fencing with R. C. C. (4 : 2 : 1) pillars @ 8'—0" C/C. and of section 0'—4" × 0'—4" at top and 0'—6" × 0'—6" at bottom of 7'—0" total height 4'—6" above G. L. and 2'—6" below G. L. including 0'—6" thick 1'—6" square spread footings (pillars reinforced with 4 Nos. $\frac{3}{8}$" dia main rods and $\frac{1}{4}$" dia stirrups @ 6" C/C. footing reinforced with 5 Nos. $\frac{3}{8}$" dia rods both ways) supplying, fitting & fixing 8 lines of				

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
78.	barbed wire horizontally (fixed with the post through $\frac{1}{4}$" dia rods embeded into the post) and two lines diagonally from post to post with 12 B. W. G. 2 ply barbed wire, with 4 points barbs @ at least $4\frac{1}{2}$" C/C. including $\frac{1}{4}$" thick (4 : 1) cement plaster upto 5'—0" lerigth of the pillars etc. complete as per direction of the Engineer-in-charge.	per foot of fence.	46·65	46·65	46·65
79.	Providing barbed wire fencing with average 4" dia salbullah post of 6'—6" total height (4'—6" bove G. L. & 2'—0" embeded in the ground) placed at 6'—0" C/C. with 9 Nos. horizontal lines and 2 Nos. diagonal lines of 12 B. W. G. 2 ply barbed wire with 4 points barbs @ at least $4\frac{1}{2}$" C/C. in each way of 6'—0" including digging holes and embeded the post tightly in ground streching the wires and fixing with the post with the help of minimum $2\frac{1}{2}$" long G. I. nails and supply of all materials etc. complete as per direction of the Engineer-in-charge.	per foot of fence.	24·85	24·85	24·85
80.	Providing apron with 2" thick cement concrete (4 : 2 : 1) with cement, coarse sand and picked jhama chips in/c. breaking chips and one layer of brick flat soling at bottom with 1st class or picked jhama bricks including cutting earth for preparation of bed and filling the interstices with local sand including finishing the top surface with neat cement finishing, curing etc. all complete.	per % sft. per hundred square foot.	1297·00	1305·00	1310·00
81.	Providing drip course/Nosing/throating at the edge of sunshade or cornice with cement mortar (2 : 1) including, scaffolding, curing etc. complete for all floors.	per rft. per running foot.	3·40	3·40	3·40

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ROAD & PAVEMENT WORKS

MISCELLANEOUS ITEMS

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
1.	Earth work in road embankment upto a lift of 5'—0" in all kinds of soil including cutting & throwing earth in layers not exceeding 6" in thickness, breaking clods upto $1\frac{1}{2}$" size in each layer, remming, levelling & dressing as per required side slope with earth borrowed from the road side Govt. acquired land for all leads and maintaining the embankment true to level and side slopes as per profile for one year from the date of completion as per direction of the Engineer-in-charge, including making dug bailing profiling etc. complete.				
	(a) For initial lift of 5'—0"	per %o cft.	344·00	344·00	344·00
	(b) For additional lift of 3'—0" from 5'—0" upto 8'—0"	do	385·00	385·00	385·00
	(c) For additional lift of 3'—0" from 8'—0" upto 11'—0"	do	426·00	426·00	426·00
	(d) For additional lift of 3'—0" from 11—0" upto 14'—0"	do	467·00	467·00	467·00
	(e) For additional lift of 3'—0" from 14'—0" upto 17'—0"	do	509·00	509·00	509·00
	(f) For additional lift of 3'—0" from 17'—0" upto 20'—0"	do	550·00	550·00	550·00
2.	(a) Earth work in box cutting upto 1'—0" depth & in all types of soil, removing soils to a safe distance, maintaining proper camber and grade as per drawing and as-per direction of the Engineer-in-charge.	per % sft.	41·00	41·00	41·00
	(b) —do— —do— upto 1'-6" depth	do	55·00	55·00	55·00
3.	Turfing the side slopes and top of embankment with good quality turf not less than 9" square, watering till the grass grown including all leads and lifts etc. complete.	per %o sft.	147·00	147·0	147·00

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
4.	Single brick flat soling with 1st class or picked jhama bricks as per camber and grade including filling joints with sand (F. M.—0·50) complete as per direction of the Engineer-in charge including cost of all materials.	per % sft.	453·00	453·00	453 00
5.	Brick on edges pavement in Herring bone bond with 1st class or picked jhama bricks as per camber and grade over ½" thick sand cushion (F. M.—0·50) including filling the joints with the same sand i/c. cost of all materials.	per % sft.	738·00	738·00	738·00
6.	Double brick flat soling with 1st class or picked jhama bricks as per camber & grade and filling the joints with fine sand (F. M.—0·50) & also providing ½" thick sand cushion in between the two flat layers of bricks with the same quality of sand including cost of all materials.	per % sft.	928·00	928·00	928·00
7.	Brick on end edging (3" across the road) with 1st class or picked jhama bricks & filling the gaps with fine sand (F. M.—0·50), cutting trenches, removing earth, filling and remming the sides properly as per direction of the Engineer-in-charge including cost of all materials.	per % sft.	375·70	375·70	375·70
8.	Breaking picked jhama, 1st class bricks or bats including cost of bricks and bats and stacking in measurable sizes at site as per direction of the Engineer-in-charge.				
	(a) For 2½"—1½" size.	per % cft.	1218·00	1218·00	1218·00
	(b) For 1½"—1" size.	do	1246·00	1246·00	1246·00

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
9.	Labour for compacted water bound Macadam base course with graded metal of crushed well burnt, picked jhama 1st class bricks & bats having compacted thickness made as per specifications including local handling and spreading uniformly to proper grade, camber and super-elevation, hand packing, rolling properly with 8 to 10 ton power driven Road Roller and watering profusely for proper consolidation blinding with blinding materials etc. all complete as per direction of the Engineer-in-charge.	per % cubic foot.	121·00	121·00	121·00
10.	(a) 2" compacted premixed bitumenous carpeting with specified graded stone chips @ 21 cft. of stone chips mixed with 84 lbs of heated bitumen per cft. of stone chips spread uniformly over the 100 sft. of surface, rolled with 8 to 10 ton Roller compacted fully in proper grade & camber spreading 4 cft. sand (F. M.—1·50) on % sft. etc. all complete as per direction of the Engineer-in-charge.	per % sft.	961·00	972·00	973·00
	(b) 1½" thick compacted premixed bitumenous carpeting with specified graded stone chips @ 15·70 cft. of stone chips mixed with 63 lbs. of heated bitumen per cft. of stone chips, spread uniformly over 100 sft. of surface rolled with 8 to 10 ton Roller compacted fully in proper grade and camber and spreading 4 cft. sand (F. M.—1·50) on % sft. etc. all complete as per direction of the Engineer-in-charge.	per % sft.	765·00	778·00	779·00
	(c) 1" thick compacted —do— —do— @ 10·50 cft. —do— —do— —do— 42 lbs. —do— —do—	per % sft.	532·00	540·00	542·00

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts except Barisal & Patuakhali	Barisal	Patuakhali
11.	Providing tack coat @ 15 lbs. of bitumen per % sft. in/c. heating bitumen upto 350 °F to 370 °F and spreading etc. all complete (cost of bitumen included).	per % sft.	93·00	93·00	93·00
12.	Providing seal coat @ 15 lbs. of bitumen per % sft. of road surface including supplying and spreading of 3 cft. of sand (F. M.—1·50) heating bitumen upto 350 °F to 375 °F and spreading etc. all complete (·cost of bitumen included) as per direction of the Engineer-in-charge.	per % sft.	114·50	125·00	126·00
13.	Premixed bitumenous seal coat with 4 cft. of pea gravels mixed with 5 lbs. of bitumen per cft. of pea gravel and laid over % sft. of road surface including spreading with proper camber and grade and blinding with dry sand (F. M.—2·5) @ 3 cft. for % sft. including cost of all materials rolling with 8 to 10 tons power driven Roller etc. all complete as per direction of the Engineer-in-charge.	per % sft.	246·00	250·00	251·00

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
1.	Earth work in excavation of tank of any dimension in all kinds of soil including cutting upto required depth including bailing out water and throwing on the embankment in 9" layer, breaking clods ramming and levelling, dressing with maintaining the side slope and level of both tank and the embankment as per design and direction of the Engineer-in-charge.				
	(a) Initial lead of 100'—0" and lift of 5'—0"	per %o cft. per thousand cubic foot.	344·00	344·00	344·00
	(b) For each additional lift of one foot beyond 5'— 0" and upto 10'—0"	do	17·00	17·00	17·00
	(c) For each additional lift of one foot beyond 10'—0" and within 15'—0"	do	25·00	25·00	25·00
	(d) For each additional lift of one foot beyond 15'—0" and upto 20'—0".	do	33·00	33·00	33·00
	(e) Extra for each additional lead of 100' or part thereof beyond initial lead 100'—0"	do	55·00	55·00	55·00

— END —

SANITARY AND WATER SUPPLY ITEMS

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
1.	Supplying, fitting and fixing European type white glazed porcelain commode "P" or "S" type "SUPER" (525 × 370 × 420 mm.) "Bangladesh made" with low down white vitreous China Cistern in/c. all internal fittings with abonite (heavy type) plastic seat cover, ½" dia C. P. stop cock, ½" dia plastic pipe with brass coupling and preparing the base with cement concrete and with wire net or rod, if necessary, in all floors including making holes wherever required and mending good the damages and fitting, fixing complete with all necessary fittings, and connection as per direction of the Engineer-in-charge :—				
	(a) Do— —do— White "SUPER" —do— —do—	each.	3,428·00	3,428·00	3,428·00
	(b) Do— —do— Coloured "SUPER" —do— —do—	each.	3,985·00	3,985·00	3,985·00
2.	Supplying, fitting and fixing Bangladesh patern "SUPER" 20" long pan (515 × 420 mm.) (Orissa type pan with foot rest and syphone) "Bangladesh made" with white vitreous China, preparing the base of pan in cement concrete with wire net or rods, if necessary in all floors where necessary and mending good the damages and supplying 3 gallons capacity C. I. cistern and fitting, fixing the same in position with C. I. brackets, including, supplying of 1¼" dia P. V. C. flush pipe with brass coupling, (not exceeding 6'—0" in length) ½" dia plastic connection pipe with brass coupling, ½" dia brass stop cock, ½" dia ball cock and pulling chain etc. all complete as per direction of the Engineer-in-charge :—				
	(a) Do— —do— White "SUPER" —do— —do—	each.	1,802·00	1,802·00	1,802·00
	(b) Do— —do— Coloured "SUPER" —do— —do—	each.	2,016·00	2,016·00	2,016·00

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
3.	Supplying fitting and fixing Bangladesh pattern "SUPER" 21" long pan (Tappered 530 × 302 mm.) Simple type "Bangladesh made" with white vitreous China, including Syphone, preparing the base of pan in cement concrete with wire net or rods if necessary in all floors including making holes in walls and floors where necessary and mending good the damages and supplying 3 gallon capacity C. I. cistern and fitting fixing the same in position with C. I. brackets including supplying of $1\frac{1}{4}$" dia PVC. flush pipe with brass coupling (not exceeding 6'—0" in length), $\frac{1}{2}$" dia plastic connection pipe with brass coupling, $\frac{1}{2}$" brass stop cock, $\frac{1}{2}$" dia ball cock and pulling chain etc. all complete as per direction of the Engineer-in-charge.				
	(a) Do— —do— White "SUPER" —do— —do—	each.	1,315·00	1,315·00	1,315·00
	(b) Do— —do— Coloured "SUPER" —do— —do—	each.	1,399·00	1,399·00	1,399·00
	(c) Do— —do— White "SUPER" 23" long pan (580 × 265 mm) —do—	each.	1,279·00	1,279·00	1,279·00
	(d) Do— —do— Coloured "SUPER" 23" long pan (580 × 262 mm) do—	each.	1,355·00	1,355·00	1,355·00
4.	Supplying "SUPER" quality (Bangladesh Made) white glazed porcelain footrest (265 × 135 × 30 mm.) ($10\frac{1}{2}$" × $5\frac{1}{4}$" × $1\frac{1}{2}$" size). including fitting, fixing in position.				
	(a) Do— —do— White "SUPER" —do— —do—	per pair.	131·50	131·50	131·50
	(b) Do— —do— Coloured "SUPER" —do— —do—	per pair.	155·00	155·00	155·00

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
5.	Supplying, fitting and fixing "SUPER" white glazed vitreous W/H Basin (Bangladesh Made) of 22" × 16" size (565 × 410 mm) inlcuding fitting fixing the same in position with heavy type C.I. brackets, 1¼" dia PVC. waste water pipe with brass coupling, (not exceeding, 2'—6" in length), ½" dia plastic connection pipe with brass coupling, ½" dia brass stop cock, ½" dia chromium plated pillar cock, 1¼" dia C.P. Basin waste with China plug in/c. making holes in walls and fitting with wooden blocks, screws and mending good the damages, etc. all complete as per direction of Engineer-in-charge.				
	(a) Do— —do— White "SUPER" —do— —do—	each.	1,138·00	1,138·00	1,138·00
	(b) Do— —do— Coloured "SUPER" —do— —do—	each.	1,301·00	1,301·00	1,301·00
6.	Supplying, fitting and fixing "SUPER" quality (Bangladesh Made) padestal (size 600 × 220 × 210 mm)				
	(a) Do— —do— White "SUPER" —do— —do—	each.	901·00	901·00	901·03
	(b) Do— —do— Coloured "SUPER" —do— —do—	each.	1,080·00	1,080·00	1,080·00
7.	Supplying, fitting and fixing "SUPER" European type white glazed vitreous standing urinals (497 × 384 mm) (Bangladesh Made) in/c. fitting, fixing the same in position after making holes in walls and floors, providing 1¼" dia plastic waste pipe with brass coupling upto grading below, ½" dia plastic connection pipe with brass coupling, ½" dia brass stop cock, including mending good the damages etc. all complete as per direction of the Engineer-in-charge.				
	(a) Do— —do— White "SUPER" —do— —do—	each.	855·00	855·00	855·00
	(b) Do— —do— Coloured "SUPER" —do— —do—	each.	988·00	988·00	988·00

Rate in Taka.

Sl. No.	Description of items	Unit of rate	All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
8.	Supplying, fitting and fixing "SUPER" white glazed vitreous China squatting or Flat Urinals (597 × 355 m m) (Bangladesh made) with flashing inlet fitted in cement concrete with cast iron painted body; one gallon automatic flushing cistern in each group etc. ½" brass controlling valve, 1¼" dia PVC. flush pipe with brass coupling, ½" dia plastic connection pipe including mending good the damages etc. all complete as per direction of the Engineer-in-charge.				
(a)	Do— —do— White "SUPER" —do— —do—	each.	1,572·00	1,572·00	1,572·00
(b)	Do— —do— Coloured "SUPER" —do— —do—	each.	1,771·00	1,771·00	1,771·00
9.	Supplying, fitting and fixing (508 × 381 × 279 mm. size) "SUPER" porcelain sink (Bangladesh made) fitted and fixed with heavy type C. I. brackets, ½" dia C. P. bib cock, 1½" dia C. P. chain plug, 1½" dia C. P. waste, 1½" dia PVC. waste pipe with brass coupling, (2'—6" length) including making holes in walls and floors and mending good the damages etc. all complete as per direction of the Engineer-in-charge.				
(a)	Do— —do— White "SUPER" —do— —do—	each.	1,645·00	1,645·00	1,645·00
(b)	Do— —do— Coloured "SUPER" —do— —do—	each.	1,905·00	1,905·00	1,905·00
10.	Supplying, fitting and fixing 24" × 5" plate glass shelf of ¼" thickness with C. P. brackets, screws and frames including making holes in walls and mending good the damages etc. all complete as per direction of the Engineer-in-charge.	each.	90·00	90·00	90·00

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts except Barisal & Patuakhali	Barisal	Patuakhali
11.	Supplying, fitting and fixing C. P. Towel rail of 24"×$\frac{3}{4}$" size with C. P. holder including making holes in walls and mending good the damages etc. all complete as per direction of the Engineer-in-charge.	each.	95·00	95·00	95·00
12.	Supplying, fitting and fixing Belgium mirror 18"×12" with hard board at the back including making holes in the walls and mending good the damages etc. all complete as per direction of the Engineer-in-charge.	each.	100·00	100·00	100·00
13.	(a) Supplying, fitting and fixing 4" dia H. C. I. soil pipe with all fittings and specials like plain bend, Tees, reducing sockets, junctions, door bends, Cowels antisyphone etc. including gaskit and cement joints, making holes in walls mending good the damages etc. all complete as per direction of the Engineer-in-charge. (The rate will be inclusive of 4" cement (6 : 3 : 1) alaround the soil pipe under ground upto the I. P. only and earth cutting wherever necessary.	per running foot.	86·00	86·00	86·00
13.	(b) Supplying, fitting and fixing 2" dia H. C. I. ventilation pipe with all fittings and specials like plain bends, Tees, cowels etc. including gaskit with cement joints and mending good the damages etc. all complete as per direction of the Engineer-in-charge.	per running foot.	46·50	46·50	46·50
14.	(a) Supplying, fitting and fixing 4" dia asbestos soil pipe with all fittings and specials like plain bend, Tees, reducing sockets, junctions, door bends, Cowels, antisyphone etc. including gaskit with cement joints, making holes in walls and mending good the damages etc. all				

Rate in Taka

Sl. No.	Description of items	Unit of rate	All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
14.	(a) complete as per direction of the Engineer-in-charge. (the rate will be inclusive 4" cement concrete (6 : 3 : 1) alaround the soil pipe under ground upto the (6 : 3 : 1) alaround the soil pipe under ground upto the I. P. only and earth cutting wherever necessary (To be used in temporary and unimportant works).	per running foot.	60·00	60·00	60·00
14.	(b) Supplying, fitting and fixing 3" dia Asbestos Ventilation pipe with all fitting and specials like plain bend, Tees, Cowels etc. including gaskit with cement joints and mending good the damages etc. all complete as per direction of the Engineer-in-charge. (To be used in temporary and unimportant works).	per running foot.	49·00	49·00	49·00
15.	Supplying, fitting, fixing and laying 6" dia R. C. C. pipe over 4" thick cement concrete (6 : 3 : 1) at base and sides including single brick flat soiling including gaskit and cement mortar joints, cutting and filling trenches upto required depth etc. all complete in all respeects as per type plan and as per direction of the Engineer-in-charge.	per running foot.	40·50	40·50	40·50
16.	Supplying, fitting and fixing 5" dia C. I. grating in traps or in drains including making holes in walls and floors in/c. mending good the damages etc. all eomplete as per direction of the Engineer-in-charge.	each.	12·00	12·00	12·00
17.	Supplying, fitting and fixing 4" dia C. I. traps (Syphone trape or P/Trape) including making holes in walls and floors in/c. mending good the damages etc. all complete as per direction of the Engineer-in charge.	each.	173·00	173·00	173·00

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts except Barisal & Patuakhali	Barisal	Patuakhali
18.	Supplying, fitting and fixing G. I. pipe with all specials fittings, such as bends, Elbows, sockets, reducing sockets, Tees, Unions, Junnuts etc. including cutting trenches where necessary and filling the same with earth duly rammed and fixing in walls with holder bolts and making hole in floors and walls and consequent mending good the damages etc. all complete in all respects as per direction of the Engineer-in-charge.				
	(a) 2" dia G. I. pipe.	per running foot.	50·00	50·00	50·00
	(b) 1½" dia G. I. pipe.	do	38·80	38·80	38·80
	(c) 1¼" dia G. I. pipe.	do	36·60	36·60	35·60
	(d) 1" dia G. I. pipe.	do	28·90	28·90	28·90
	(e) ¾" dia G. I. pipe.	do	23·90	23·90	23·90
	(f) ½" dia G. I. pipe.	do	19·25	19·25	19·25
19.	Supplying, fitting and fixing best quality and heavy type bib cock ½" dia.				
	(a) Brass bib cock.	each.	30·00	30·00	30·00
	(b) C. P. bib cock.	each.	41·00	41·00	41·00
	(c) ½" plastic bib cock with heavy iron thread.	each.	13·00	13·00	13·00
	(d) ¾" plastic bib cock with heavy iron thread.	each.	17·00	17·00	17·00
	(e) Plastic pillar cock with heavy iron thread.	each.	22·00	22·00	22·00
20.	Supplying, fitting and fixing best quality stop cock.				
	(a) (i) ¾" dia (Brass) stop cock.	each.	41·00	41·00	41·00
	(ii) ½" dia (Brass) stop cock.	each.	30·00	30·00	30·00
	(b) (i) ¾" dia (C. P.) stop cock.	each.	58·00	58·00	58·00
	(ii) ½" dia (C. P.) stop cock.	each.	47·00	47·00	47·00
	(c) (i) ½" dia C. P. pillar cock.	each.	51·50	51·50	51·50

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
21.	Supplying, fitting and fixing best quality G. M. peet valve.				
	(a) 2" dia peet valve.	each.	167·00	167·00	167·00
	(b) $1\frac{1}{2}$" dia peet valve.	each.	96·00	96·00	96·00
	(c) $1\frac{1}{4}$" dia peet valve.	each.	85·00	85·00	85·00
	(d) 1" dia peet valve.	each.	63·00	63·00	63·00
	(e) $\frac{3}{4}$" dia peet valve.	each.	57·00	57·00	57·00
	(f) $\frac{1}{2}$" dia peet valve.	each.	43·00	43·00	43·00
22.	Supplying, fitting and fixing 5" dia C. P. shower rose.	each.	52·00	52·00	52·00
23.	(a) Supplying, fitting and fixing 4'×4'×4' size 16 gauge G. I. over head Tank of 400 gallon capacity in/c. painting the tank with paint of approved colour and quantity and providing G. I. cover on top with locking arrangement, providing inlet and outlet pipe with flanges and plug, Jam nuts etc. $1\frac{1}{2}$" dia ball cock etc. all complete in all respects with all other necessary fitting including over flow pipe $\frac{1}{2}$" dia upto 2'—6" long.	each.	3,900·00	3,900·00	3,900·00
	(b) Do— —do— 4'×4'×4' size 18 gauge G. I. over head tank —do— —do— —do— —do—	each.	3,350·00	3,350·00	3,350·00

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
24.	(a) Construction of masonry inspection pits inside measurement (2' × 2') with 10" thick brick work in cement mortar (4 : 1) with 4" thick R. C. C. top slab (4 : 2 : 1) in/c. necessary reinforcement, 18" dia water sealed R. C. C. M. H. cover including necessary earth work, side filling and one brick flat soling, 3" thick (6 : 3 : 1) base concrete for the preparation of the invert including making invert channel and ½" thick (2 : 1) cement plaster with neat cement finishing etc. all complete upto a depth of 2'—6".	each.	1,098·00	1,098·00	1,098·00
	(b) Do— —do— with 18" dia water sealed C. I. manhole cover with locking arrangement including necessary earth work etc. —do— —do— —do— —do	each.	1,283·00	1,283·00	1 283·00
25.	Painting C. I. cistern with anticorrosive paint of approved colour and quality.	each.	17·00	17·00	17·00
26.	Painting H. C. I. pipes 2 coats (4" to 2" dia) with approved anticorrosive paint over a coat of priming including cleaning rust.	per running foot.	2·00	2·00	2·00
27.	Painting G. I. pipes 2 coats (3" to ½" dia) with approved paint over a coat of priming (av. 2" dia) including cleaning rust.	per running foot.	1·30	1·30	1·30

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
28.	Construction of septic tank of different sizes with brick work in cement mortar (6 : 1) as per approved type plan over a brick flat soling and 6" thick cement concrete flooring (4 : 2 : 1) with 5" thick walls in partition and ¾" thick cement plaster (4 : 1) to insides of walls with N. C. F. and 1" thick patent stone (4 : 2 : 1) flooring with N. C. F. including supplying, fitting and fixing of two R. C. C. Tees and providing 18" dia water sealed heavy type G. I. manhole cover with locking arrangement and 4" thick R. C. C. (4 : 2 : 1) Top slab with minimum 1% reinforcement including centering, shuttering, fabricating, casting and curing etc. complete upto required depth including necessary earth work in excavation and shoring, bailing out water, side filling and the cost of all materials, operations and incidental charges etc. all complete as per design and direction of the Engineer-in-charge.				
	(a) For 200 users with 3 manhole covers.	each.	31,661·00	32,781·00	32,908·00
	(b) For 100 users with 3 manhole covers.	each.	22,009·00	22,768·00	22,853·00
	(c) For 50 users with 3 manhole covers.	each.	15,189·00	15,707·00	15,758·00
	(d) For 30 users with 2 manhole covers.	each.	9,747·00	10,091·00	10,130·00
	(e) For 20 users with 2 manhole covers.	each.	7,598·0	7,905·00	7,940·00
	(f) For 10 users with 2 manhole covers.	each.	6,468·00	6,678·00	6,703·00

Sl. No.	Description of items	Unit of rate	Rate in Taka: All Districts except Barisal & Patuakhali	Barisal	Patuakhali
29.	Construction of soak well of different sizes with 10" thick solid brick work and 10" honey comb and brick work with cement mortar (6 : 1) as per design over R. C. C. (4 : 2 : 1) well curb with 1·5% reinforcement upto the depth as per drawing with 4" thick R. C. C. Top slab with 1% reinforcement including supplying, fitting and fixing 18" dia water sealed heavy type C. I. manhole cover with locking arrangement, filling the well upto the required with graded khoa and sand including supplying and fabricating M. S. rod, casting, curing including necessary earth work in excavation, side filling and bailing out water in/c. cost of all materials etc. all complete as per drawing, design and direction of the Engineer-in-charge.				
	(a) For 200 users.	each.	13,422·00	13,664·00	13,685·00
	(b) For 100 users.	each.	8,347·00	8,555·00	8,585·00
	(c) For 50 users.	each.	5,639·00	5,649·00	5,679·00
	(d) For 30 users.	each.	5,639·00	5,649·00	5,679·00
	(e) For 20 users.	each.	4,713·00	4,835·00	4,875·00
	(f) For 10 users.	each.	4,713·00	4,835·00	4,875·00

Sl. No.	Description of items	Unit of rate	Rate in Taka. All Districts Except Barisal & Patuakhali	Barisal	Patuakhali
30.	Supplying and sinking $1\frac{1}{2}$" dia G. I. tube well pipe including trial boring and with all necessary fittings as requred etc. all complete as per direction of the Engineer-in-charge.				
	(a) (i) $1\frac{1}{2}$" dia pipe upto 200'—0"	per running foot.	42·00	42·00	42·00
	(ii) $1\frac{1}{2}$" dia pipe from 200'—0" upto 450'—0"	per running foot.	53·00	53·00	53·00
	(b) Supplying, fitting and fixing $1\frac{1}{2}$" dia brass strainer 6'—0" long including supplying of all necessary fitting etc. all complete as per direction of the Engineer-in-charge.	each.	292·00	292·00	292·00
	(c) Supplying, fitting and fixing Maya/Hydari or such other No. 6 pump for $1\frac{1}{2}$" dia tube well with all necessary fittings etc. all complete as per direction of the Engineer-in-charge.	each.	528·00	528·00	528·00
	(d) Construction of platform with 3" thick cement concrete (6 : 3 : 1) over a brick flat soling and providing 5" × 3" brick band, alaround in/c. finished with $\frac{1}{2}$" thick cement plaster (2 : 1) all complete with necessary outlet drain upto 10'—0" long.	per square foot.	35·00	36·10	37·12

—END—

PLINTH AREA RATES OF BUILDING EFFECTIVE FROM IST DECEMBER, 1983.

On the publication of the New Schedule of Rates effective from 1st. December, 1983 rough estimates for all works, schemes, projects etc. should from now on be prepared on the basis of the following plinth area rates :—

1. First class buildings built in bricks with four storied foundation with brick flat soling, cement concrete (6 : 3 : 1) and brick work (6 : 1 including 1½" thick D. P. C.) in foundation and plinth : 10" thick brick-work in superstructure, doors and windows made of best local timber with standard window grills, R. C. C. works (4 : 2 : 1) in roof slab, beams lintels, stair-cases minimum ½" thick cement plaster (6 : 1) to both sides of superstructure walls, minimum ½" thick cement plaster (4 : 1) in plinth steps and dado, ½" C. P. (4 : 1) to ceiling, beams etc. white washing, colour washing and necessary earth work in foundation, earth and sand filling in plinth and other petty items as required. (If material are available within a distance of 1000'—0" ft.).

(a)	Foundation including plinth	Tk. 95/- (Ninety five) only per square foot.
(b)	Ground floor : (Superstructure only without foundation) ...	Tk. 165/- (one hundred sixty five) only per square foot.
(c)	First floor	Tk. 175/- (one hundred seventy five) only per square foot.
(d)	Second floor	Tk. 190/- (one hundred ninety) only per square foot.
(e)	Third floor	Tk. 205/- (two hundred five) only per square foot.
(f)	Lime Terracing and parapet	Tk. 14/- (Fourteen) only per square foot.

Item (f) to be added on the floor where top floor occurs.

If the Building is of more than 4-storied, additional account for foundation to be added as per requirement and design on the basis of actual calculation.

2. First class buildings built in bricks with general specifications as noted in item (1) together with special specification :—

(i) For mosaic work in all rooms : Add @ Tk. 35/- (thirty five) only per square foot for each floor over item No. 1.

(ii) For mosaic work in all rooms, doors and windows made of Teak wood with Sal wood Chowkates, designed window grills, distemper, snowcem and plastic painting.

Add @ Tk. 70/- (Taka seventy) only per square foot for each floor over item No. 1.

3. Semi-permanent buildings with C. I. sheet roofing on best local timber truss, brick flat soling cement concrete (6 : 3 : 1) and brick works (6 : 1) (including 1½" thick D. P. C.) foundation and plinth 5" thick-panel brick work in superstructure with 10" × 10" intermediate pillar at 8'—0" to 10'—0" C/C doors and windows made of best local timber with standard window grills, R. C. C. work (4 : 2 : 1) in lintels, patent stone floorings (4 : 2 : 1) minimum ¼" thick cement plaster (6 : 1) to both sides of superstructure walls and ½" thick cement plaster (4 : 1) in plinth, steps and dado, white washing, colour washing and necessary earth work in foundation, earth and sand filling in plinth and other petty items, as required.

@ Tk. 180/- (One hundred eighty) only per square foot.

M. H. Khan.
Superintending Engineer (OSD),
Public Works Department.

GOVERNMENT OF THE PEOPLE'S REPUBLIC OF BANGLADESH

MINISTRY OF FINANCE AND PLANNING

NATIONAL BOARD OF REVENUE

BANGLADESH CUSTOMS, EXCISE AND SALES TAX TARIFF

DHAKA

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SECTION XIII

ARTICLES OF STONE, OF PLASTER, OF CEMENT, OF ASBESTOS, OF MICA AND OF SIMILAR MATERIALS; CERAMIC PRODUCTS; GLASS AND GLASSWARE

CHAPTER 68

ARTICLES OF STONE, OF PLASTER, OF CEMENT, OF ASBESTOS, OF MICA AND OF SIMILAR MATERIALS

NOTES :

1. This Chapter does not cover :

(*a*) Goods falling within Chapter 25 ;

(*b*) Coated or impregnated paper falling within heading No. 48.07 (for example, paper coated with mica powder or graphite, bituminised or asphalted paper);

(*c*) Coated or impregnated textile fabric falling within Chapter 59 (for example, mica-coated fabric, bituminised or asphalted fabric);

(*d*) Articles falling within Chapter 71 ;

(*e*) Tools or parts of tools, falling within Chapter 82 ;

(*f*) Lithographic stones of heading No. 84.34 ;

(*g*) Electrical insulators (heading No. 85.25) or fittings of insulating material falling within heading No. 85.26;

(*h*) Dental burrs (heading No. 90.17);

(*ij*) Goods falling within Chapter 91 (for example, clocks and clock cases);

(*k*) Goods falling within heading No. 95.08, if made of materials specified in Note 2(b) to Chapter 95;

(*l*) Articles falling within Chapter 97 (for example, toys, games and sports requisites);

(*m*) Goods falling within heading No. 98.01 (for example, buttons), No. 98.05 (for example, slate pencils) or No. 98.06 (for example, drawing slates); or

(*n*) Works of art, collectors' pieces or antiques (Chapter 99).

2. In heading No. 68.02 the expression "worked monumental or building stone" is to be taken to apply not only to the varieties of stone referred to in headings Nos. 25.15 and 25.16 but also to all other natural stone (for example, quartzite, flint, dolomite and steatite) similarly worked; it is, however, to be taken not to apply to slate.

Tariff Heading.	Description.	Statutory rate of duty.	Concessionary rate of duty.		Standard International Trade Classification Revised. (SITC—R).
			Chargeable as a result of general exemption for all countries.	Chargeable under GATT.	
1	2	3	4	5	6
68.01	Road and paving setts, curbs and flagstones, of natural stone (except slate)	50%	..	..	661.31
68.02	Worked monumental or building stone, and articles thereof (including mosaic cubes), other than goods falling within heading No. 68.01 or within Chapter 69;				
	A. Worked monumental or building stone	75%	..	..	661.32
	B. Other	150%	..	..	661.32

Tariff Heading.	Description.	Statutory rate of duty.	Concessionary rate of duty.		Standard International Trade Classification Revised. (SITC—R).
			Chargeable as a result of general exemption for all countries.	Chargeable under GATT.	
1	2	3	4	5	6
68.03	Worked slate and articles of slate, including articles of agglomerated slate	75%	..	..	661.33
68.04	Hand polishing stones, whetstones, oilstones, hones and the like, and millstones, grindstones, grinding wheels and the like (including grinding, sharpening, polishing, trueing and cutting wheels, heads, discs and points), of natural stone (agglomerated or not), of agglomerated natural or artificial abrasives, or of pottery, with or without cores, shanks, sockets, axles and the like of other materials, but without frameworks; segments and other finished parts of such stones and wheels, of natural stone (agglomerated or not), of agglomerated natural or artificial abrasives, or of pottery:				
	A. Grinding wheels (Unmounted)	50%	..	..	663. 1
	B. Other	100%	..	..	663.10
68.05					
68.06	Natural or artificial abrasive powder or grain, on a base of woven fabric, of paper, of paperboard or of other materials, whether or not cut to shape or sewn or otherwise made up ..	100%	..	..	663.2
68.07	Slag wool, rock wool and similar mineral wools; exfoliated vermiculite, expanded clays, foamed slag and smilar expanded mineral materials; mixtures and articles of heat-insulting, sound insulating, or sound-absorbing mineral materials, other than those falling in heading No. 68.12 or 68.13 or in Chapter 69 ...	100%	..	...	663.5
68.08	Articles of asphalt or of similar material (for example, of petroleum bitumen or coal tar pitch) ..	150%	..	...	661.81

Tariff Heading.	Description.	Statutory rate of duty.	Concessioenary rate of duty.		Standard International Trade Classification Revised. (SITC–R).
			Chargeable as a result of general exemption for all countries.	Chargeable under GATT.	
1	2	3	4	5	6
68.09	Panels, boards, tiles, blocks and similar articles of vegetable fibre, of wood fibre, of straw, of wood shavings or of wood waste (including saw-dust), agglomerated with cement, plaster or with other mineral binding substances	75%	..	..	661.82
68.10	Articles of plastering material ..	150%	..	..	663.31
68.11	Articles of cement (including slag cement), of concrete or of artificial stone (including granulated marble agglomerated with cement), reinforced or not	150%	..	..	663.32
68.12	Articles of asbestos-cement, of cellulose fibre-cement or the like	150%	..	..	661.83
68.13	Fabricated asbestos and articles thereof (for example, asbestos board, thread and fabric,; asbestos clothing, asbestos jointing), reinforced or not, other than goods falling within heading No. 68.14; mixtures with a basis of asbestos and mixtures with a basis of asbestos and magnesium carbonate, and articles of such mixtures	150%	..	..	663.81
Ex. 68.13	Asbestos greased graphite packing imported against cash Licence by IWT industry ..	..	50%	..	..
68.14	Friction material (segments, discs, washers, strips, sheets, plates, rolls and the like) of a kind suitable for brakes, for clutches or the like, with a basis of asbestos, other mineral substances or of cellulose, whether or not combined with textile or other materials ..	150%	..	..	663.82
68.15	Worked mica and articles of mica, including bonded mica splittings on a support of paper or fabric (for example, micanite and mica-folium)	150%	..	..	663.33
68.16	Articles of stone or of other mineral substances (including articles of peat), not elsewhere specified or included	150%	..	..	663.39

4. Unless the context otherwise requires, any reference in this Schedule to a base metals is to be taken to include a reference to alloys which, by virtue of Note 3 above, are to be classified as alloys of that metal.

5. Classification of Composite Articles:

Except where the headings otherwsise require, articles of base metal (including articles of mixed materials treated as articles of base metal under the Interpretative Rules) containing two or more base metals are to be treated as articles of the base metal predominating by weight. For this purpose:

(*a*) Iron and steel, or different kinds of iron or steel, are regarded as one and the same metal;

(*b*) An alloy is regarded as being entirely composed of that metal as an alloy of which, by virtue of Note 3, it is classified; and

(*c*) A cermet of heading No. 81.04 is regarded as a single base metal.

6. For the purposes of this Section, the expression "waste and scrap" means waste and scrap metal fit only for the recovery of metal or for use in the manufacture of chemicals.

CHAPTER 73

IRON AND STEEL AND ARTICLES THEREOF

NOTES:

1. In this Chapter the following expressions have the meanings hereby assigned to them:

(*a*) **Pig iron and cast iron** (heading No. 73.01):

A ferrous product containing, by weight, 1.9% or more of carbon, and which may contain, one or more of the following elements within the weight limits specified:

less than 15% phosphorus,
not more than 8% silicon,
not more than 6% manganese,
not more than 30% chromium,
not more than 40% tungsten, and

an aggregate of not more than 10% of other alloy elements (for example, nickel, copper aluminium, titanium, vanadium, molybdenum).

However, the ferrous alloys known as "non-distorting tool steels", containing, by weight, 1.9% or more of carbon and having the characteristics of steel, are to be classified as steels, under their appropriate headings.

(*b*) I. Spiegeleisen (heading No. 73.01):

A ferrous product containing by weight, more than 6% but not more than 30% of manganese and otherwise conforming to the specification at (*a*) above.

(*c*) **Ferro-alloys** (heading No. 73.02):

Alloys of iron (other than master alloys as difined in Note 1 to Chapter 74) which are not usefully malleable and are commonly used as raw material in the manufacture of ferrous metals and which contain, by weight, separately or together:

more than 8% of silicon, or
more than 30% of manganese, or,
more than 30% of chromium, or
more than 40% of tungsten, or,

a total of more than 10% of other alloy elements (aluminium, titanium, vanadium, copper, molybdenum, niobium or other elements, subject to a maximum content of 10% in the case of copper).

and which contain, by weight, not less than 4% in the case of ferro-alloys containing silicon, not less than 8% in the case of ferro-alloys containing manganese but no silicon or not less than 10% in other cases, of the element iron.

(*d*) **Alloy steel** (heading No. 73.15):

Steel containing, by weight, one or more elements in the following proportions:

more than 2% of managanese and silicon, taken together, or

2.00% or more of manganese, or

2.00% or more of silicon, or

0.50% or more of nickel, or

0.50% or more of chromium, or

0.10% or more of molybdenum, or

0.10% or more of vanadium, or

0.30% or more of tungsten, or

0.30% or more of cobalt, or

0.30% or more of aluminium, or

0.40% or more of copper, or

0.10% or more of lead, or

0.12% or more of phosphorus, or

0.10% or more of sulphur, or

0.20% or more of phosphorus and sulphur, taken together, or

0.10% or more of other elements, taken separately.

(*e*) **High carbon steel** (heading No. 73.15):

Steel containing, by weight, not less than 0.60% of carbon and having a content, by weight, less than 0.04% of phosphorus and sulphur taken separately and less than 0.07% of these elements taken together.

(*f*) **Puddled bars and pillings** (heading No. 73.06):

Products for rolling, forging or re-melting obtained either:

(*i*) By shingling balls of puddled iron to remove the slag arising during puddling, or

(*ii*) By roughly welding together by means of hot-rolling, packets of scrap iron or steel or puddled iron.

(*g*) **Ingots** (heading No. 73.06):

Products for rolling or forging obtained by casting into moulds.

(*h*) **Blooms and billets** (heading No. 73.07):

Semi-finished products of rectangular section, of a cross-sectional area exceeding 1,225 mm² and of such dimensions that the thickness exceeds one quarter of the width.

(*i*) **Slabs and sheet bars (including tinplate bars) (heading No. 73.07):**

Semi-finished products of rectangular section, of a thickness not less than 6 mm, of a width not less than 150 mm and of such dimensions that the thickness does not exceed one quarter of the width.

(*k*) **Coils for re-rolling (heading No. 73.08):**

Coiled semi-finished hot-rolled products, of rectangular section, not less than 1.5 mm thick, of a width exceeding 500 mm and of a weight of not less than 500 kg per piece.

(*l*) **Universal plates (heading No. 73.09):**

Products of rectangular section hot-rolled lengthwise in a closed box or universal mill, of a thickness exceeding 5 mm but not exceeding 100 mm, and of a width exceeding 150 mm but not exceeding 1,200 mm.

(*m*) **Hoop and strip (heading No. 73.12):**

Rolled products with sheared or unsheared edges, of rectangular section, of a thickness not exceeding 6 mm, of a width not exceeding 500 mm and of such dimensions that the thickness does not exceed one tenth of the width, in straight strips, coils or flattened coils.

(*n*) **Sheets and plates (heading No. 73.13):**

Rolled products (other than coils for re-rolling as defined in paragraph (*k*) above) of any thickness and, if in rectangles, of a width exceeding 500 mm.

(*o*) **Wire (heading No. 73.14):**

Cold-drawn products of solid section of any cross-sectional shape, of which no cross-sectional dimension exceeds 13 mm. In the case of headings Nos. 73.26 and 73.27, however, the term "wire" is deemed to include rolled products of the same dimensions.

(*p*) **Bars and rods (including wire rod) (heading No. 73.10):**

Products of solid section which do not conform to the entirety of any of the definitions (*h*), (*ij*), (*k*), (*l*), (*m*), (*n*) and (*o*) above, and which have cross-sections in the shape of circles, segments of circles, ovals, isosceles triangles, rectangles, hexagons, octagons or quadrilaterals with only two sides parallel and the other sides equal.

The expression also includes concrete reinforcing bars which apart from minor identations, flanges, grooves or other deformations produced during the rolling process correspond to the above definition.

(*q*) **Hollow mining drill steel (heading No. 73.10):**

Steel hollow bars of any cross-section, suitable for mining drills, of which the greatest external dimension exceeds 15 mm but does not exceed 50 mm, and of which the greatest internal dimension does not exceed one-third of the greatest external dimension. Other steel hollow bars are to be treated as falling within heading No. 73.18.

(*r*) **Angles, shapes and sections (heading No. 73.11):**

Products, other than those falling within heading No. 73.16, which do not conform to the entirety of any of the definitions (*h*), (*ij*), (*k*), (*l*), (*m*), (*n*) and (*o*) above, and which do not have cross-sections in the form of circles, segments of circles, ovals, isosceles triangles, rectangles, hexagons, octagons or quadrilaterals with only two sides parallel and the other two sides equal, and which are not hollow.

2. Headings Nos. 73.06 to 73.14 are to be taken not to apply to goods of alloy or high carbon steel (heading No. 73.15).

3. Iron and steel products of the kind described in any of the headings Nos. 73.06 to 73.15 inclusive, clad with another ferrous metal, are to be classified as products of the ferrous metal predominating by weight.

4. Iron obtained by electrolytic deposition is classified according to its form and dimensions with the corresponding products obtained by other process.

5. The expression "high-pressure hydro-electric conduits of steel" (heading No. 73.19) means riveted welded or seamless circular steel tubes or pipes and bends therefor, of an internal diameter exceeding 400 mm and of a wall thickness exceeding 10.5 mm.

Tariff Heading.	Description.	Statutory rate of duty.	Concessionary rate of duty.		Standard International Trade Classification Revised (SITC– R).
			Chargeable as a result of general exemption for all countries.	Chargeable under GATT.	
1	2	3	4	5	6
73.01	Pig iron, cast iron and spiegelesion in pigs, blocks, lumps and similar forms:				
	A. Pig iron	20%	10%	..	671.2
	B. Spiegelesion	20%	10%	..	671.2
	C. Other	20%	10%	..	671.2
73.02	Ferro-alloys:				
	A. Ferro-manganese ..	20%	10%	..	671.61
	B. Ferro-silicon	20%	10%	..	671.62
	C. Other	20%	10%	..	671.69
73.03	Waste and scrap metal of iron or steel				..
	A. Of pig or cast iron ..	40%	20%	..	282.01
	B. Of alloy steel	40%	20%	..	282.02
	C. Other	40%	20%	..	282.09
73.04	Shot and angular grit, of iron or steel whether or not graded; wire pellets of iron or steel ..	20%	10%	..	671.31
73.05	Iron or steel powders; sponge iron or steel				
	A. Iron steel powders, including sponge iron powder ..	20%	10%	..	671.32
	B. Sponge iron or steel, not in powder from	20%	10%	..	671.33
73.06	Puddled bars and pilings; ingots, blocks, lumps and similar forms, of iron or steel:				
	A. Puddled bars and pilings; blocks, lumps and similar forms	40%	40%	..	672.45
	B. Ingots	40%	40%	..	672.41

Tariff Heading.	Description.	Statutory rate of duty.	Concessionary rate of duty. Chargeable as a result of general exemption for all countries.	Concessionary rate of duty. Chargeable under GATT.	Standard International Trade Classification Revised. (SITC—R).
1	2	3	4	5	6
73.07	Blooms, billets, slabs and sheet bars (including tinplate bars), of iron or steel; pieces roughly shaped by forging, of iron or steel :				
	A. Billets	50%		..	672.51
	B. Other	50%		..	672.51
73.08	Iron or steel coils for re-rolling ..	50%	40%	..	672.71
73.09	Universal plates of iron or steel ..	40%	40%	..	674%14
73.10	Bars and rods (including wire rod), of iron or steel, hot-rolled, forged, extruded, cold-formed or cold finished (including precision-made); hollow mining drill steel:				
	A. Wire rod	75%	..	..	673.11
	B. Bars and rods (excluding wire rod), not further worked than hot-rolled or extruded ..	75%	..	..	673.26
	C. Other	75%	..	..	673.27
Ex. 73.10	Medium carbon steel wire rod ..		40%	..	..
73.11	Angles, shapes and sections, of iron or steel, hotrolled, forged, extruded, cold-formed or cold-finished; sheets piling of iron or steel, whether or not drilled, punched or made from assembled elements:				
	A. U.I or H sections, not further worked than hot-rolled or extruded, of less than 80 mm..	75%	..	..	673.31
	B. U, I or H sections, not further worked than hot-rolled or extruded, 80 mm or more; angles, shapes and sections, not further worked than forged ..	75%	..	..	673.32
	C. Other angles, shapes and sections, not further worked than not-rolled or extruded ..	75%	..	..	673.33
	D. Angles, shapes and sections, not further worked than cold-formed or cold-finished ..	75%	..	..	673.34

Tariff Heading.	Description.	Statutory rate of duty.	Concessionary rate of duty. Chargeable as a result of general exemption for all countries.	Concessionary rate of duty. Chargeable under GATT.	Standard International Trade Classification Revised. (SITC—R).
1	2	3	4	5	6
	E. Other angles, shapes and sections	75%	..	..	673.35
	F. Sheet piling	75%	..	..	673.36
73.12	Hoop and strip, of iron or steel, hot-rolled or cold-rolled ..	50%	40%	..	675.01
73.13	Sheets and plates of iron or steel hot-rolled or cold-rolled:				
	A. Rolled but not further worked, of a thickness of more than 4.75 mm	50%	..	..	674.41
	B. Rolled but not further worked, of a thickness of 3 mm or more but not more than 4.75 mm	50%	..	..	674.51
	C. Rolled but not further worked, of a thickness of less than 3 mm.	50%	..	..	674.61
	D. Tinned	50%	..	..	674.7
	E. Other	50%	..	..	674.91
Ex. 73.13	Goods falling under sub-heads 'A' to 'E' excluding corrugated iron sheet	..	40%		..
73.14	Iron and steel wire, whether or not coated, but not insulated ..	75%	..	..	677.01
Ex. 73.14	Medium carbon steel wire	40%			
73.15	Alloy steel and high carbon steel in the forms mentioned in headings Nos. 73.06 to 73.14:				
	A. Ingots :				
	1. Of high carbon steel ..	75%	..		672.4
	2. Of stainless or heat-resisting steel.	75%	..		672.43
	3. Of other alloy steel ..	75%	..		672.44
	B. Blooms billets, slabs, sheet bars (including tinplate bars) and roughly forged pieces:				
	1. Of high carbon steel ..	75%	..	..	672.52

Tariff Heading.	Description.	Statutory rate of duty.	Concessionary rate of duty.		Standard International Trade Classification Revised. (SITC—R).
			Chargeable as a result of general exemption for all countries,	Chargeable under G.A.T.T.	
1	2	3	4	5	6
	2. Of stainless or heat resisting steel	75%	..	..	672.54
	3. Of other alloy steel ..	75%		..	672.55
	C. Coils for re-rolling :				
	1. Of high carbon steel ..	75%	..	..	672.72
	2. Of stainless or heat-resisting steel	75%	..	..	672.74
	3. Of other alloy steel ..	75%	..	..	672.75
	D. Wire rod :				
	1. Of high carbon steel ..	75%	..	..	673.12
	2. Of stainless or heat-resisting steel	75%	..	..	673.14
	3. Of other alloy steel ..	75%	..	..	673.15
	E. Bars and rods (excluding wire rod) and hollow mining drill steel:				
	1. Of high carbon steel ..	75%	..	..	673.22
	2. Of stainles or heat-resisting steel	75%	..	..	673.24
	3. Of other alloy steel ..	75%	..	..	673.25
	F. Angles, shapes, and sections :				
	1. Of high carbon steel ..	75%	..	..	673.37
	2. Of stainless or heat-resisting steel	75%	..	..	673.38
	3. Of other alloy steel ..	75%	..	..	673.39
	G. Universal plates ..	75%	..	..	674.15
	H. Sheets and plates, rolled but not further worked, more than 4·75 mm in thickness :				
	1. Of high carbon steel ..	75%	..	..	674.42
	2. Of stainless or heat-resisting stee .	75%	..	..	674.43
	3. Of other alloy steel ..	75%	..	..	674.44

Tariff Heading.	Description.	Statutory rate of duty.	Concessionary rate of duty. Chargeable as a result of general exemption for all countries.	Concessionary rate of duty. Chargeable under GATT.	Standard International Trade Classification Revised. (SITC—R).
1	2	3	4	5	6
	I. Sheets and plates, rolled but not further worked 3 mm or more but not more than 4·75 mm in thickness:				
	1. Of high carbon steel	75%	..	..	674·52
	2. Of stainless or heat-resisting steel ..	75%	..	..	674·53
	3. Of other alloy steel	75%	..	..	674·54
	J. Sheets and plates, rolled but not further worked, less than 3 mm in thickness :				
	1. Of high carbon steel	75%	..	..	674·62
	2. Of stainless or heat-resisting steel ..	75%	..	..	674·63
	3. Of other alloy steel	75%	..	..	674·64
	K. Other sheets and plates :				
	1. Of high carbon steel	75%	..	..	674·92
	2. Of stainless or heat-resisting steel ..	75%	..	..	674·93
	3. Of other alloy steel	75%	..	..	674·94
	L. Hoop and strip :				
	1. Of high carbon steel	75%	..	..	675·02
	2. Of stainless or heat-resisting steel ..	75%	..	..	675·04
	3. Of other alloy steel	75%	..	..	675·05
	M. Wire :				
	1. Of high carbon steel	75%	..	..	677·02
	2. Of stainless or heat-resisting steel ..	75%	..	..	677·04
	3. Of other alloy steel	75%	..	..	677·05
Ex. 73.15	Goods falling under sub-heads A to M excluding billets. ..		40%		..

Tariff Heading.	Description.	Statutory rate of duty.	Concessionary rate of duty. Chargeable as a result of general exemption for all countries.	Concessionary rate of duty. Chargeable under GATT.	Standard International Trade Classification Revised (SITC—R).
1	2	3	4	5	6
73.16	Railway and tramway track construction material of iron or steel, the following; rails, check-rails, switch blades, crossings (or frogs), crossing pieces, point rods, rack rails, sleepers, fish-plates, chairs, chair wedges, sole plates (base plates), rail clips, bed-plates ties, and other material specialised for joining or fixing rails :				
	A. Rails	50%	20%	..	676·01
	B. Other	50%	20%	..	676.02
Ex. 73.16	Goods falling under sub-heads 'A' and 'B' imported by and for exclusive use of the Bangladesh Railway.	..	10%	..	..
73.17	Tubes and pipes, of cast iron	50%	..	..	678·01
73.18	Tubes and pipes and blanks therefor, of iron (other than of cast iron) or steel, excluding high-pressure hydro-electric conduits :				
	A. 'Seamless' tubes and pipes and blanks for tubes or pipes	50%	40%	..	678·02
	B. Other	50%	40%	..	678·03
73.19	High pressure hydro-electirc conduits of steel, whether or not reinforced	50%	40%	..	678.04
73.20	Tube and pipe fittings (for example, joints, elbows, unions and flanges), of iron or steel	50%	..	..	678.05
73.21	Structures and parts of structures (for example, hangars and other buildings, bridge-sections, lock-gates, towers, lattice masts, roofs, roofing frameworks, door and window frames, shutters, balustrades, pillars and columns), of iron or steel; plates, strip, rods, angles, shapes, sections, tubes and the like, prepared for use in structures of iron or steel	75%	50%	..	691·01
73.22	Reservoirs, tanks, vats and similar containers, for any material (other than compressed or liquefied gas), of iron or steel, of a capacity exceeding 300 litre, whether or not lined or heat-insulated, but not fitted with mechanical or thermal equipment	50%	40%	..	692·11
73.23	Casks, drums, cans, boxes and similar containers, of sheet or plate iron or steel of a description commonly used for the conveyance or packing of goods	50%	40%	..	692·41

Tariff Heading.	Description.	Statutory rate of duty.	Concessionary rate of duty. Chargeable as a result of general exemption for all countries.	Concessionary rate of duty. Chargeable under GATT.	Standard International Trade Classification Revised. (SITC—R).
1	2	3	4	5	6
73.24	Contiainers, of iron or steel, for compressed or liquefied gas	50%	40%	..	692·43
73.25	Stranded wire, cables, cordage, ropes, plaited bands, slings and the like, of iron or steel wire, but excluding insulated electric cables ..	100%	..	..	693·11
73.26	Barbed iron or steel wire: twisted hoop or single flat wire, barbed or not, and loosely twisted double wire, of kinds used for fencing, of iron or steel	75%	..	..	693·02
73.27	Gauze, cloth, grill, netting, fencing, reinforcing fabric and similar materials, of iron or steel wire; expanded metal, of iron or steel :				
	A. Expanded metal, of iron or steel ..	50%	..	..	693·51
	B. Other	150%	..	..	693·51
73.28					
73.29	Chain and parts thereof, of iron or steel ..	150%	..	..	699·02
Ex.73.29	(i) Chain and parts thereof, of iron or steel, for exclusive use in bi-cycle or cycle rickshaw		20%	..	..
	(ii) Chain and parts thereof, of iron or steel, for exclusive use in motor cycle ..		50%	..	..
73.30	Anchors and grapnels and parts thereof, of iron or steel	150%	..	..	699·71
73.31	Nails, tacks, staples, hook-nails, corrugated nails, spiked cramps, studs, spikes and drawing pins, of iron or steel, whether or not with heads of other materials, but not including such articles with heads of copper	150%	..	..	694·01
Ex.73.31	Shoe tacks		50%	..	..
73.32	Bolts and nuts (including bolt ends and screw studs), whether or not threaded or tapped, and screw (including screw hooks and screw rings), rivets, cotters, cotter-pins, and similar articles, of iron or steel; washers (including spring washers) of iron or steel:				
	A. Bolts and nuts (including bolt ends and screw studs), whether or not threaded or tapped	150%	..	..	694·02
	B. Other	150%	..	..	694·02

Tariff Heading.	Description.	Statutory rate of duty.	Concessionary rate of duty. Chargeable as a result of general exemption for all countries.	Concessionary rate of duty. Chargeable under GATT.	Standard International Trade Classification Revised. (SITC—R).
1	2	3	4	5	6
73.33	Needles for hand sewing (including embroidery), hand carpet needles and hand knitting needles, bodkins, crochet hooks, and the like, and embroidery stilettos of iron or steel ..	100%	..	..	699·31
73.34	Pins (excluding hat pins and other ornamental pins and drawing pins), hairpins and curling grips and the like, of iron or steel ..	150%	..	..	699.32
73.35	Springs and leaves for springs, of iron or steel ..	150%	..	..	699·41
Ex. 73.35	Springs and leaves for springs for automotive vehicles	..	100%	..	..
73.36	Stoves (including stoves with subsidiary boilers for central heating), ranges, cookers, grates, fire and other space heaters, gas-rings, plate warmers with burners, wash boilers with grates or other heating elements, and similar equipment, of a kind used for domestic purposes not electrically operated, and parts thereof, of iron or steel :				..
	A. Cooking apparatus and plate warmers	150%	..	..	697·31
	B. Other apparatus	150%	..	..	697·32
	C. Parts	150%	..	..	697·33
73.37	Boilers (excluding boilers of heading No. 84.01) and radiators, for central heating, not electrically heated, and parts thereof, of iron or steel; air heaters and hot air distributors (including those which can also distribute cool or conditioned air), not electrically heated, incorporating a motor-driven fan or blower and parts thereof, of iron or steel	75%	50%	..	812·1
73.38	Article of a kind commonly used for domestic purposes, sanitary ware for indoor use, and parts of such articles and ware, of iron or steel; iron or steel wool; pot scourers and scouring and polishing pads, gloves, and the like, of iron or steel :				
	A. Domestic articles and parts thereof ..	150%	..	..	697.41
	B. Iron or steel wool; pot scourers and scouring or polishing pads, gloves and the like	150%	..	..	697·41
	C. Sanitary ware for indoor use and parts thereof	150%	..	..	697·51

Tariff Heading.	Description.	Statutory rate of duty.	Concessionary rate of duty.		
			Chargeable as a result of general exemption for all countries.	Chargeable under GATT.	Standard International Trade Classification Revised. (SITC—R)
1	2	3	4	5	6
Ex.73.38	Aircraft and helicopter galley and kitchen equipment	..	2½%	..	..
73.40	Other articles of iron or steel:				
	A. Iron castings in the rough state ..	50%	..	..	679.41
	B. Steel castings in the rough state ..	50%	..	..	679.42
	C. Iron or steel forgings and stampings in the rough state	50%	..	..	679·3
	D. Others	150%	..	..	699.79
Ex·73.40	(i) Goods falling under sub-heads A,B and C	--	40%	--	--
	(ii) Steel balls of 1mm. diameter for the manufacture of ball point pens ...	--	50%	--	..
	(iii) Rad wires for cycle tyres	--	40%	--	..

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WEDNESDAY, JUNE 6, 1979

GOVERNMENT OF THE PEOPLE'S REPUBLIC OF BANGLADESH

MINISTRY OF COMMERCE

IMPORT TRADE CONTROL

ORDER

Dacca, the 18th May 1979.

No. S.R.O. 134-L/79.—In exercise of the powers conferred by sub-section (1) of section 3 of the Imports and Exports (Control) Act, 1950 (XXXIX of 1950), and in supersession of the erstwhile Ministry of Commerce Order issued under S.R.O. 1264(K)/1968, dated the 24th July, 1968, the Government is pleased to prohibit, except in the cases set out in Schedule I, the import by sea, land or air from any country outside Bangladesh of any of the goods specified in Schedule II.

2. This notification shall take effect on the first day of July, 1979.

SCHEDULE I

1. Any goods imported by the Government for Defence purpose.
2. Any goods imported by the Government, orders of which are placed direct by the Ministry or Department concerned or by the Director, Supply and Inspection.
3. Any goods in transhipment to a country outside Bangladesh.
4. Any goods manifested for a country outside Bangladesh which on import into Bangladesh are bonded for re-export to that country.

(2013)

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GOVERNMENT OF THE PEOPLE'S REPUBLIC OF BANGLADESH

MINISTRY OF COMMERCE

OFFICE OF THE CHIEF CONTROLLER OF IMPORTS AND EXPORTS

ORDER

Dhaka, the 17th July, 1984.

No. S.R.O. 342-L/84.—In exercise of the powers conferred by sub-section (1) of section 3 of the Imports and Exports (Control) Act, 1950 (XXXIX of 1950), the Government is pleased to make the following Order, namely :—

THE IMPORT POLICY ORDER, 1984-85

CHAPTER I

INTRODUCTION

1. Short Title and Duration.—(1) This Order may be called the Import Policy (July-June) Order, 1984.

(2) It shall remain in force until the 30th day of June, 1985.

2. Definitions.—In this Order, unless there is anything repugnant to the subject or context,—

(a) "Act" means the Imports and Exports (Control) Act, 1950 (XXXIX of 1950);

(b) "actual user" means a person, group of persons, institution, body or organization who may import a permissible item, not being an industrial raw material requiring further processing before being used or consumed, in limited quantity for his or its own use or consumption;

(8759)

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WEDNESDAY, JUNE 27, 1984

GOVERNMENT OF THE PEOPLE'S REPUBLIC OF BANGLADESH)
MINISTRY OF FINANCE
(Internal Resources Division)
(*Excise*)

NOTIFICATION

Dhaka, the 27th June, 1984.

No. S.R.O.311-L/84/119-Excise.—In exercise of the powers conferred by sub-section (1) of section 12A of the Excises and Salt Act, 1944 (I of 1944), and in supersession of this Division's Notification No. S.R.O. 225-L/83/94-Excise, dated the 30th June, 1983, the Government is pleased to exempt the goods and service specified in column 2 of Table I and Table II, respectively, from so much of the duties of excise leviable under the items of the First Schedule to the said Act as specified in the corresponding entries in column I in the Tables as is in excess of the rate of duty specified in the corresponding entries in column 3 of the Tables, subject to the conditions specified in the corresponding entries in column 2 thereof :

TABLE I

Item No. in Part I of the First Schedule to the Excises and Salt Act, 1944.	Description of goods and conditions.	Rate of duty.
1	2	3
Any item of the First Schedule read with section 3B of the Act	Such goods liable to duty in accordance with section 3B of the Act as pertaining any article liable to duty under the Act the value of which does not exceed ten per cent. of the value of such goods.	Nil
01.01	Betelnuts	Nil
01.02	Coffee	Nil

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GOVERNMENT OF THE PEOPLE'S REPUBLIC OF BANGLADESH

MINISTRY OF FINANCE

Internal Resources Division

(*Customs*)

NOTIFICATIONS

Dhaka, the 27th June, 1984

No. S.R.O.287-L/84/845/Cus.—In exercise of the powers conferred by section 19 of the Customs Act, 1969 (IV of 1969), and in supersession of Notification No. S.R.O. 205-L/83/178/Cus., dated the 30th June, 1983, the Government is pleased to exempt goods specified in column (2) of the table below and falling within the Tariff Heading Nos. of the first Schedule to the said Act as specified in column (1) of the Table, from so much of the customs duties leviable thereon as is in excess of the rate specified in the corresponding entries in column (3) of that Table.

TABLE

Tariff Heading No.	Description	Rate of duty
(1)	(2)	(3)
03.01	Fish, fresh (live or dead), chilled or frozen caught on high seas outside the territorial waters of Bangladesh and directly imported into Bangladesh provided that the vessel employed in catching fish is registered in Bangladesh or the vessel is chartered by a Bangladesh national or by a company incorporated in Bangladesh	nil.

(8149)

Price: Taka 6·25

JICA