### Annexure-A

#### NOTES ON PLINTH AREA RATES (PLAR)

- 1. PLAR are the rates to assess the cost of buildings when detail architectural and structural design are not available.
- 2. PLAR are formulated by studying plenty of variables, data and assumptions only to provide hints on the cost of construction over a couple of years.
- 3. A wide range variation of actual cost from PLAR directs to study- (i) architectural & structural design, (ii) site condition, (iii) finish schedule, (iv) decision built up.
- Exclusive works related to high density of cost like exclusive ornamental works/cladding are beyond the scope of PLAR.
- 5. PLAR never resembles an actual cost; instead, it's a probabilistic cost for fund conformity after time dependent tender and agreement procedure to run a smooth project.
- 6. PLAR costs for buildings are to be assessed after confirming the building category namely 'standard', 'super' and 'special'.
- 7. 'Special' category for office buildings is to be decided by Chief Engineer, PWD and Chief Architect, Department of Architecture.
- 8. PLAR includes 22.703% extra cost for providing contractor's profit, overhead charge and VAT.

#### SCOPE OF PLINTH AREA

Plinth area is the area bounded by exterior perimeter of a floor or the perimeter formed by joining the lines on the outer faces of columns in the floor, including any area kept opening what so ever, except courtyard open to sky.

#### SCOPE OF BUILDING CATEGORY

The category of buildings should be understood by the terms- standard, super, special according to the facilities and finishing components provided there. As a guide- Standard category of buildings is that, made in quality and provided with general basic facilities and finished components are mostly of local materials, bricks, sand, cement and lime based but a hygienic finish in toilets, lavatory and kitchen.

	a de la compañía de l		Shal		ndation		(Ri	ate in BDT Per :	sqm)	Deep Four	dation		
			G-=26MD-	for = 20MD		a numbed store	chine Come	L Content to Ner	ninal Mix Patio 1: 1	Deep Found	EM 1 62 6N <sup>(9,10,11</sup>		pe e
ŀ	rc=∠omPa rcr = suMPa, concrete with crushed stone chips, Cemen								ninai mix kauo 1: 1.:	5:3 and Cement C	EM - 1, 52.5N	мат	ey)
L		INDIVIDUAL OR COMBINED FOOTING SYSTEM							ROPILE	PILE FOUNDATION*2.3.4.5.6.7.8		FOUNDATION *	ent s stor
Allowable Bearing capacity, q <sub>a</sub> bar								without basement floor	without with 300mm infill basement floor basement slab		with 300mm infill basement slab		basem nted as
	qa = 2.0 ksf	qa = 2.50 ksf	qa = 3.0 ksf	qa=3.5 ksf	qa = 4.0 ksf	qa = 4.50 ksf	qa = 5.0 ksf	Df=1.25m	Df= 3.0m	Df=1.25m	Df=3.0m	Df=3.0m	torey ( cour
F	per sqm 1	per sqm 2	per sqm 3	per sqm 4	per sqm 5	per sqm 6	per sqm 7	per sqm 8	per sqm	per sqm 10	per sqm 11	per sqm 12	ŝ
t	9440	9174	9014	8909	8835	8782	8741	7123	15556	19798	24694	10779	1
	11193	10438	9984	9686	9478	9326	9211	8857	16890	20731	25628	14958	2
ł	13460	12073	11238	10690	10308	10029	9818	11076	20641	21735	26631	20774	4
t	19482	16416	14570	13359	12514	11897	11430	16528	22765	24640	29408	23273	5
T	23214	19107	16635	15013	13881	13055	12429	19731	25034	27435	32024	25595	6
4		21558	18499	16491	15090	14067	13293	21010	27196	31296	35667	27537	7
+			20565	19706	16445	16273	14274	26369	31749	34045	42486	29461	8
1	and the state of the	1100030200002000	24934	21616	19301	17610	16331	29397	34426	42685	46304	32846	10
T			27442	23624	20961	19016	17544	32525	37206	48392	51762	34628	11
-	al tantoning o	COLUMN TO THE	30066	25726	22698	20487	18814	35751	40082	53682	56802	36350	12
+	HOREAN	HISTORY BUT DES	ALSO DECIDIN	30195	24510	22021	20138	42479	43051	62296	64915	38020	13
t				32206	28039	24996	22694	45481	48728	66773	69118	40783	15
					29954	26614	24087			70901	72992	42195	16
+				and the state	31717	28096	25357			76222	78273	43287	17
+			CHERNER		33050	31550	28333			86219	87664	48583	19
						33415	29942			91623	92713	52054	20
							31593			97274	98121	55618	21
-	and the second se									102534	103137	59271	22
-									HIP DESCRIPTION OF THE PARTY OF T	112284	112401	66837	23
		CITE STORE								117945	118152	70747	25
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+			The second							129208	128595	78812	27
	Renewalshee			C. TRUNKING			A CHINNEL			138635	137536	87194	29
				CONCORRONAL DE						143348	142006	91501	30
										148961	147375	95882	31
+			District Contract	CHUNNINGSHIS	Contraction of the second			Contraction Contract		154631	152802	100338	32
+	anono cono			TEROBOLIO.			CHURNOUS HE			166145	163830	109467	34
1						Contraction of the				171989	169431	114138	35
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7	otes:	*1. Mat found: *2. Precast Pil *3. For pile let *5. For pile let *5. For pile let *7. For pile let *8. For Cast-in *9. Add 2% fo *10. Add 3% f *11. Add 4% fi	ation leading le of length 11 ngth of 18m to ngth of 24m to ngth of 30m to ngth of 36m to ngth of 42m to situ pile fou r fc=32MPa fc=50MPa or fc=50MPa	to basement 3m and size 5 24m, Tk.11 5 30m, Tk.20 5 36m, Tk.28 5 42m, Tk.37 6 42m, Tk.37 6 45m, Tk.41 ndation, 20% Pcr = 40MPa fcr = 50MP fcr = 60MP	t floor Tk. 900.0 350mmx350mr ,855 per sqm ti ,387 per sqm ti ,919 per sqm ti ,451 per sqm ti ,451 per sqm ti 6 cost to be ad , with crushed a, with crushed a, with crushed	00 per sqm to b n considered o be added, o be added, o be added, o be added, o be added, ded, stone chips, C d stone chips, C d stone chips, J	e deducted, bu ement Conten Cement Conte	ut to add cost from to Nominal Mix to Nominal Mix 1, 52,5N and Higi	n basement constru n basement constru Ratio 1: 1.25: 2.5 and Ratio 1: 1: 2 and Ce brance water reduc	ction system (Tab d Cement CEM - 1 ament CEM - 1, 52 ing chemical adm	. 52.5N .5N. .SN.		

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					TABL	E 2: PWD PLAR 202	22 - SUPER STRUCTU	RE: rates in BDT per	sqm				ALC: NO.	
					ADD STRUCTURAL M	AFMBER WEIGHTAGE	F RATES (TABLE - 3) IN	ADDITION TO THE RATE	S OF THIS TABLE					
			Providence includes		ADD DINGUIGHER	BULLDI	NG CATE	GORY					- ×	
l ∝ ŀ	DUILDING CALEGURT											- de	ĸ	
181	NON	NON RECIPENTIAL NRPOR A2					NOU FRAME S	RESIDENTIAL NPPCS	C2	T	PESIDENTIAL PRCS P			2
1	(C)	oncrate with Brick-	hine)		Concrete with Brick-chir	z acl	C	oncrete with Stone-chin	6		Concrete with Stone .ch	ine	Lev	
	Standard	Super	Special	Standard	Super	Special	Standard	Super	Special	Standard Super Presid			-	
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
GF Park	13593	15089	17201	14472	16064	18313	14776	16401	18697	15865	17611	20076	1	GF Park
Hahitat	23968	26605	30329	25736	28567	32567	25779	28615	32621	27974	31051	35398	1	Habitation
1st Floor	22744	25246	28780	24422	27108	30903	24463	27153	30955	26545	29465	33590	2	1st Floor
2nd Floo	23085	25625	29212	24788	27515	31367	24829	27561	31419	26944	29907	34094	3	2nd Floor
3rd Floor	23431	26009	29650	25160	27927	31837	25202	27974	31890	27348	30356	34606	4	3rd Floor
4th Floor	23680	26284	29964	25429	28226	32178	25469	28270	32228	27640	30681	34976	5	4th Floor
5th Floor	23930	26562	30281	25723	28552	32549	25738	28569	32569	27959	31035	35380	6	5th Floor
6th Floor	24063	26710	30449	25847	28690	32706	25881	28728	32750	28094	31185	35551	7	6th Floor
7th Floor	24237	26903	30670	25991	28850	32889	26007	28868	32909	28184	31284	35664	8	7th Floor
8th Floor	24431	27119	30916	26155	29032	33096	26155	29032	33096	28296	31409	35806	9	8th Floor
9th Floor	24669	27382	31216	26317	29212	33302	26348	29247	33341	28407	31532	35947	10	9th Floor
10th Floo							26448	29357	33467	28542	31681	36117	11	10th Floor
11th Floo							26570	29493	33622	28650	31801	36254	12	11th Floor
12th Floo							26691	29627	33775	28782	31948	36421	13	2th Floor
3th Floo							26883	29840	34018	28938	32121	36618	14	13th Floor
4th Floo							26954	29919	34108	29094	32294	36815	15	4th Floor
15th Floo							27024	29996	34196	29223	32437	36978	16	15th Floor
16th Floo							27091	30071	34281	29299	32522	37075	17	6th Floor
7th Floo							27157	30145	34365	29373	32604	37169	18	7th Floor
8th Floo				Para and a sub-			27222	30216	34446	29446	32685	37261	19	18th Floor
19th Floo							27284	30285	34525	29516	32763	37350	20	19th Floor
20th Floo							27345	30353	34602	29585	32840	37437	21	20th Floor
21st Floo							27455	30475	34741	29652	32914	37522	22	21st Floor
2nd Flod							27589	30624	34911	29718	32986	37605	23	2nd Floor
23rd Floo							27749	30801	35113	29781	33057	37685	24	23rd Floor
24th Floo							27908	30978	35315	29843	33125	37763	25	24th Floor
25th Floo							28040	31125	35482	29902	33192	37838	26	25th Floor
26th Floo							28172	31271	35649	29960	33256	37912	27	26th Floor
27th Floo						PERSONAL STREET	28304	31417	35816	30017	33318	37983	28	27th Floor
28th Floo							28435	31562	35981	30071	33379	38052	29	28th Floor
29th Floo							28614	31761	36208	30261	33589	38292	30	29th Floor
Soth Floo							28788	31955	36429	30445	33/94	38525	31	Buth Floor
Bist Floo							28958	32144	36644	30625	33994	38/53	32	Bist Floor
Ind Flog							29123	32327	36852	30799	3418/	389/4	33	2nd Floor
Sara Floo							29283	32305	37055	30969	34375	39100	34	Bath Floor
Path Floo							29439	320/7	37232	31133	34556	39390	35	path Floor
Soth Floo							29586	32840	3/438	31289	34730	39293	30	poth Floor
atment	3360	3360	3360	3360	3360	3360	3360	3360	3360	3360	3360	3360	Roo	Top LC
Porch	6854	6854	6854	6854	6854	6854	7540	7540	7540	7540	7540	7540	F	orch
t of Retaining	ng walls etc incl	uded in Table-4												
oor height (h)	is considered a	as 3.35 meter (11'-0"	).											
floor height l	n > 3.35 meter (1	1'-0") and ≤ 3.66 m	eter ( 12'-0"), add 3"	¥0.										
loor height l	n > 3.66 meter (1	12'-0") and ≤ 4.0 met	ter (13'-0"), add 5%,											L - Malairia
gular shaped	building with s	pan up to 7.5 meter	has been consider	red.		and a second difference								
buildings w	ith more than 3	6 stories, rate to be	increased by 1% f	or each additional flo	or upto 45 stories.	and the second		and the second second						
		10	0~						ar		Ω\	as.		8
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				Q. 11	$\gamma \sim$		5.	1		4		4		$\mathcal{D}$

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Table - 4 : PWD PLAR-2022: BASEMENT CONSTRUCTION* <sup>1</sup>											
	(Rate in BDT per sqm)										
	Concrete, f'c = 25 MPa & min f'cr = 30 MPa, fy = 400 MPa (max. fy= 418MPa & Ratio fu to fy ≥1.25) Cement BDS EN-197 CEM-I,52.5N										
	Elements Of Basement Construction										
		Retaining Piles and Bracing						Back Wall to			
RCC Retaining	Basement Floor	Single basement	Two Basements	Three Basements	Four Basements	Bracing* <sup>2</sup> :	Water proofing: Wall	Retaining Wall	etaining Wall Excavation,		
Wali	as Farking	Retaining Pile	Retaining Pile	Retaining Pile	Retaining Pile	(Steel truss, fy 36ksi)	a Foundation Bed	work)	carrying a salety	management	
Tk. per sqm of wall	Total Taka/sqm	Taka per meter of perimeter	Taka per sqm of Basement	Taka per sqm of horizontal/vertical surface	Taka per sqm of wall	Taka per m depth per sqm of Basement	Taka per sqm of Basement				
Tk. 7,061.00	Rate from Structural weightage Table-3 + Tk. 11,848.00	Tk. 106,230.00	Tk. 264,046.00	Tk. 305,478.00	Tk. 586,458.00	Tk. 1,755.00	Tk. 1,742.00	Tk. 1,790.00	Tk. 1,380.00	Tk. 161.00	

\*<sup>1</sup> PLAR (Plinth Area Rate) to be calculated as sum of the costs divided by plinth area.

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E:\SOR\SoR 2022\PLAR\_excel\PLAR22\_13-06-Rev\PLAR\_table-4\_2022\_13-6-22\_6/14/2022

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## ADDITIONAL COST CHART

of PLAR 1. Saline zone, to use concrete of min f'c = 25 MPa 1% 2. severe and very severe earth-quake zone, or-For i) of superstructure cost coastal area affected by cyclone & water surge, orii) 3% (table-2 + table-3) special type of structure such as-hospitals, fire service stations etc. iii) (building occupancy category III and IV as per BNBC Table-6.1.1) :to use concrete of min f'c = 25 MPa 4,642.00 sqm of parapet 3. Roof top RCC parapet Tk. Roof-top RCC water tank in/c beams & supports etc.: Tk. 178.00 4. gallon For difficultly accessible area (as per Division-33: Added rate for difficultly accessible area) 5. Category A (Accessibility with moderate difficulty) of PLAR 5% i) Category B (Accessibility with high difficulty) of PLAR 10 % ii) 15 % iii) Category C (Accessibility with extreme difficulty) of PLAR Internal Sanitary and Water Supply: Rate in BDT 6. Tk. 1.313.00 (i) **Residential Building** Standard sqm 1,907.00 Tk. Super sqm 2,688.00 Special Tk. sqm Tk. 1,063.00 (ii) Non-Residential Building Standard sqm 1,563.00 Tk. Super sqm Tk. 2,125.00 Special sqm

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PWD SoR 2022 for Civil Works

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7.	Internal Electr	ification:							0	
	(i)	Residential Building			Standard		Tk.	2,130.00	sqm	
					Super		Tk.	2,490.00	sqm	
k					Special		Tk.	2,760.00	sqm	
1	(ii)	Non-Residential Building			Standard		Tk.	1,605.00	sam	
	(-7	5			Super		Tk.	1,930.00	sam	
					Special		Tk.	2,140.00	sqm	
8.	Gas Connection	on:								
			(i) Ground Floor				Tk.	455.00	sqm	
			(ii) Other Floors				Tk.	182.00	sqm	
9.	External Wate	r Supply and Sanitation:								
	(i)	Underground Water Reservoir:								
		(a) Up to 20,000 gallons			Tk.	106.00	gallon			
		(b) Above 20,000 gallons			Tk.	89.00	gallon			
	(ii)	Distribution line water nump nump hou	SP							
	(1)	WASA / Municipal Charge as per require	omont							
	(:::)	Sontia Tank Sock well Inspection pit	sment.		Ectiv	mata ta h	o propared on t	ha hacis of ra	quiromonte	0
	(11)	Septic Talk, Soak well, Inspection pit.	tor Trootmont Diant (V		LSU		e prepared on d		quirements.	2X
	(1V)	Sewage Treatment Plant (STP) and Wa	ter freatment Plant (W	VIP)					C	P
	(V)	Rain water harvesting system							. (	
								(	No.	
		0	1		0		N	Var 1	R.	t
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#### 10. External Electrification:

- (i) Sub-station building.
- (ii) Sub-station equipment/transformer.
- (iii) Pump & motor set including installation.
- (iv) H.T./ LT Line.
- (v) PDB /DESA /DESCO /REB charge.
- (vi) Standby power & source.
- (vii) Earthing system.
- (viii) Overhead transmission.
- (ix) Underground cable laying.
- (x) Compound light, wiring system & other safety systems.
- (xi) Solar PV system.

#### Estimate to be prepared on the basis of requirements.

#### 11. Boundary Wall:

# (i) Boundary wall in RCC Frame, 1.80 m in height, level difference between FGL and EGL up to 0.45m:

Construction of RCC (fc'=22 MPa, minimum fcr=27 MPa in nominal mix ratio of 1:2:4 with stone chips) frame boundary wall of height 1.8m above FGL and foundation depth 1.5m from EGL, having column size 250mm X250mm @ 10'-0" c/c, 250 mm X 250 mm size grade beam at FGL, 75mm thick and 375mm width RCC coping, 125mm thick brick work with mortar (1:4) in between columns. 12mm plaster (1:6) on brick surface and 6mm plaster (1:4) on RCC and providing standard acrylic emulsion paint at exterior surface etc.

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Tk. 13,960.00

meter

meter

### (ii)

#### Boundary wall in RCC Frame, 1.80m in height, level difference between FGL and EGL= 0.45 m to 1.50m:

Construction of RCC (fc'=22MPa, minimum fcr=27 MPa in nominal mix ratio of 1:2:4 with stone chips) frame boundary wall of height 1.8m above FGL and depth of foundation 1.5m from EGL, having column size 250mmX250mm @ 10'-0" c/c, 250 mmX250 mm size grade beam at FGL and one additional grade beam on EGL, 75mm thick and 375mm width RCC coping, 125mm thick brick work with mortar (1:4) in between columns. 12mm plaster (1:6) on brick surface and 6mm plaster (1:4) on RCC and providing standard acrylic emulsion paint at exterior surface etc.

#### Boundary wall in RCC Frame, 1.80m in height, level difference between FGL and EGL= 1.50m (iii) to 3.00m:

Construction of RCC (fc' = 22 MPa, minimum fcr = 27 MPa in nominal mix ratio of 1:2:4 with stone chips) frame boundary wall of height 1.8 m above FGL and depth of foundation 1.5 m from EGL, having column size 250 mm x 250 mm @ 10'-0" c/c with 250 mm x 250 mm RCC struts, one grade beam at ground level and 2 (two) additional grade beams in between EGL and FGL, 75 mm thick and 375 mm width RCC coping, 125 mm thick brick work with mortar (1:4) in between columns. 12 mm plaster (1:6) on brick surface and 6mm plaster (1:4) on RCC and providing standard acrylic emulsion paint at exterior surface etc.

Tk. 23,129.00

Tk. 37.164.00 meter

#### (iv) Boundary wall in RCC Frame, 1.80m in height, level difference between FGL and EGL= 1.50m to 3.00m; with PILE foundation:

, m =

Construction of RCC (fc' = 22 MPa, minimum fcr = 27 MPa in nominal mix ratio of 1:2:4 with stone chips) frame boundary wall of height 1.8 m above FGL and depth of foundation 1.5 m from EGL, having column size 250 mm x 250 mm @ 10'-0" c/c, one grade beam at ground level and 2 (two) additional grade beams in between EGL and FGL, 75 mm thick and 375 mm width RCC coping, 125 mm thick brick work with mortar (1:4) in between columns. 12 mm plaster (1:6) on brick surface and 6 mm plaster (1:4) on RCC and providing standard acrylic emulsion paint at exterior surface. 2 nos. of (250 mm x 250 mm) 10 m long precast pile per column.

- (z.) Blad.

Tk. 51,998.00

meter

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(v)	Boundary wall in RCC Frame, 1.80m in height, level difference between FGL and EGL= 3.00m to 4.50m; with RCC retaining wall (without PILE):		
	Construction of RCC (fc' = 22 MPa, minimum fcr = 27 MPa in nominal mix ratio of 1:2:4 with stone chips) frame boundary wall of height 1.8 m above FGL and depth of foundation 1.5 m from EGL, Retaining wall up to FGL and column size 250 mm x 250 mm @ 10'-0" c/c above FGL, 75 mm thick and 375 mm width RCC coping, 125 mm thick brick work with mortar (1:4) in between columns; 12 mm plaster (1:6) on brick surface, 6 mm plaster (1:4) on RCC, exterior standard acrylic emulsion paint. Soil Bearing Capacity assumed=1.5 Ksf	Tk. 89,448.00	meter
(vi)	Boundary wall in RCC Frame, 1.80m in height, level difference between FGL and EGL= 3.00m to 4.50m; with RCC retaining wall (with PILE):		
	Construction of RCC (fc' = 22 MPa, minimum fcr = 27 MPa in nominal mix ratio of 1:2:4 with stone chips) frame boundary wall of height 1.8 m above FGL and depth of foundation 1.5 m from EGL, Retaining wall up to FGL and column size 250 mm x 250 mm @ 10'-0" c/c above FGL, 75 mm thick and 375 mm width RCC coping, 125 mm thick brick work with mortar (1:4) in between columns; 12 mm plaster (1:6) on brick surface, 6 mm plaster (1:4) on RCC, exterior standard acrylic emulsion paint. Assumed 2 (two) nos. of 300 mm X 300 mm size 12 m long pile @ 1.5 m c/c along the length of the retaining wall.	Tk. 119,944.00	meter
(vii)	Additional cost for ornamental works at the front side of the Boundary Wall (considered only portion of work above GB)	Tk. 2,645.00	meter
(viii)	Main Gate (SS):		
	Manufacturing, supplying, fitting and fixing main gate made of S.S. Grade A304 of any design and shape as per drawing and design and accepted by the Engineer.	Tk. 38,690.00	meter
(ix)	Main Gate (MS):		
	Manufacturing, supplying, fitting and fixing main gate made of M.S. rod and angle of any design and shape as per drawing and design and accepted by the Engineer.	Tk. 26,538.00	meter
d	pril m & g V	,	Oples 100
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#### 12. Barbed wire fencing over boundary wall:

items in the schedule)

#### (i) Type-1 (Y-shape): barbed wire in fencing work @ 150 mm c/c in both horizontally and vertically

Supplying, fitting and fixing 12 BWG barbed wire (2 ply, 4 points) in fencing work @ 150 mm c/c in both horizontally and vertically, supported by 38 mm x 38 mm x 6 mm M.S. Y-shape angle post (300 mm embedded in R.C.C. or in brick work with a cement concrete base of 75 mm x 75 mm x 300 mm) 600 mm vertical and 450 mm inclined @ 2.4 m c/c including straightening, binding the joints with 18 BWG wire making holes in the angle etc. in /c supplying of all necessary materials complete in all respect and accepted by the Engineer-in-charge. (Rate is excluding the cost of R.C.C. or brick work or C.C. which is to be paid as per corresponding

#### (ii) Type-2 (Spiral-type): barbed wire of 600 mm dia in fencing work

Supplying, fitting and fixing 12 BWG barbed wire fencing in a circular shape of 600 mm dia and 76 mm pitch fitted with ms rod casing (made by 8 nos. 10 mm dia plain bar in a circular pattern and placed at equal interval), 38 x 38 x 6 mm M.S. angle post (300 mm embedded in R.C.C. or in brick work with a cement concrete base of 75 mm x 75 mm x 300 mm) and 600 mm vertical and 450 mm inclined placed @ 3000 mm c/c including straightening, binding the joints with 18 BWG wire, making holes in the angle etc. including supply of all necessary materials complete in all respect and accepted by the Engineer-in-charge. (Rate is excluding the cost of R.C.C or brick work or C.C. which is to be paid as per corresponding items in the schedule)

# - d

meter

Tk. 2,436.00 meter

Tk. 1,122.00

#### 13. Road Work:

2

(i) R.C.C. Road:

Construction of R.C.C. (minimum fcr = 30 MPa, and satisfying a specified compressive strength fc = 25 MPa at 28 days on standard cylinders, crushed stone chips as coarse aggregate, cement content related to mix ratio 1:1.5:3) road with 250mm thick guide wall of height 0.30 meter, 150 mm thick R.C.C work over one layer 1<sup>st</sup> class brick flat soling and polythene sheet including the cost of

reinforcement 10 mm dia MS rod 175 mm c/c in both direction.



#### (ii) Bituminous Carpeting Road:

Construction of 38 mm thick compacted bituminous carpeted road over 150 mm thick sand surface with 75 mm thick end edging, 62 mm–37 mm size brick bats khoa consolidation and compacted water bound macadam of 150 mm thickness, providing tack coat, seal coat and prime coat as per requirement.

#### sqm

sqm

meter

Tk. 2,886.00

Tk. 12,938.00

Tk. 3,196.00

#### 14. Semi-Permanent Structure:

Plinth area rates for standard semi-permanent building with C.I sheet roofing on metal truss, supported on brick pillars & walls in 1:4 cement sand mortar having 75 mm thick D.P.C in/c earth work, back filling in foundation and plinth  $\leq 1 \text{ m} \& 125 \text{ mm}$  thick panel brick work in superstructure with 150 mm x 250 mm intermediate pillar at 2.4 m to 3 m C/C, doors and windows made of best local timber with standard window grills, R.C.C work (1:2:4) in lintel, patent stone flooring (1:2:4), minimum 12 mm thick cement plaster (1:4) in plinth, steps and dado, aesthetically accepted low cost false ceiling, white /color washing and necessary earth work in foundation, earth and sand filling in plinth and other petty items as required and complete to function in all respect.

#### 15. Drain and Apron:

(i)

#### Surface drain of 300 mm clear width and depth up to 300 mm:

Constructing RCC (fc' = 22 MPa, minimum fcr = 27 MPa in nominal mix 1:2:4 with stone chips) surface drain of 300 mm clear width and depth up to 300 mm with 125 mm thick check walls and 125 mm thick base over one layer of brick flat soling. The surface having minimum 12 mm thick cement sand (F.M. 1.2) plaster (1:3) and neat cement finishing with cement curing at least for 7 days including excavation in all kinds of soil, back filling with fine sand (F.M. 0.8), consolidating and dressing, cost of water, electricity, other charges etc. complete and accepted by the Engineer in charge. (Cement: CEM-II/A-M)

#### (ii) Surface drain of 225 mm clear width and 600 mm (av.) depth:

Constructing RCC (fc' = 22 MPa, minimum fcr = 27MPa in nominal mix 1:2:4 with stone chips) surface drain of 600 mm (av.) depth and 225 mm clear width at the bottom and 525 mm at the top, having 125 mm thick check walls maintaining side slopes and 125 mm thick base over one layer of polythene on top of brick flat soling. The surface having minimum 12 mm thick cement sand (F.M. 1.2) plaster (1:3) including neat cement finishing the surfaces and back of the drain up to 150 mm below ground level with fresh cement (conforming to BDS 232) curing at least for 7 days, including excavation of all kinds of soil, back filling with fine sand (F.M. 0.8) consolidating and dressing, including cost of water, electricity, other charges etc. complete and accepted by the Engineer in charge. (Cement: CEM-II/A-M)

#### Tk. 5,614.00

Tk. 1,055.00

meter

sqm

356

#### (iii) Apron:

Providing apron with 50 mm thick cement concrete (1:2:4) with cement, coarse sand and picked jhama chips including breaking chips and one layer brick flat soling at bottom with first class or picked jhama bricks including cutting earth for preparation of bed and filling the interstices with local sand (F.M. 0.8) including finishing, dressing, curing at least for 7 days etc. all complete, including cost of water, electricity, other charges accepted by the Engineer-in-charge. (Cement: CEM-II/A-M)

#### 16. Special Considerations:



Safety canopy, safety net and other environmental considerations Construction lift (for 7 storied building and above)

Estimate to be prepared on the basis of requirements.