Government of West Bengal Department of Urban Development and Municipal Affairs (Municipal Affairs Branch) Poura Prashasan Bhawan DD-1, Sector-I, Salt Lake, Kolkata-64

No. 9	86/(125)/ MA/C-10/38-4/2009 (Pt-II) Dated, Kolkata, the 6 day of November, 201
rom:	The Joint Secretary to the Govt. of West Bengal
Го:	The Mayor/Chairman/Chairperson,
	P.O, Dist
	Sub: Operational Guidelines regarding procedures of implementation of the Scheme of "Banglar Bari"
Sir,	
	I am directed to enclose herewith "Operational Directives regarding procedures of implementation escheme of "Banglar Bari" as well as the relevant Annexure – A, B, C, D, E and F for information aking necessary action in this regard.
	This Operational Guidelines have been issued with concurrence of Finance Department vide their No. Group R/2017-2018/0158 dated, 08.09.2017 and with the approval of State Cabinet in the 33rd ng held on 30.10.2017, communicated vide U/O No. CAB (D)-632 dated 30.10.2017.
inceti	Sd/- Santanu Das
	Joint Secretary to the
	Government of West Bengal
No. 9	86/1(225)/ MA/C-10/3S-4/2009 (Pt-II) Dated, Kolkata, the 6 th day of November, 2017
1. 2.	forwarded for information and necessary action to the – Principal Accountant General (A&E), West Bengal, Treasury Buildings, Kolkata-700 001. Principal Accountant General (Audit), West Bengal, Treasury Buildings, Kolkata-700 001.
3.	Finance (Gr. R/N) Department of this Government.
4.	
5.	
6. 7.	Chief Executive Officer, Kolkata Metropolitan Development Authority.
	 Director, State Urban Development Agency, West Bengal, Block - HC, Sector - III, Salt Lake, Kolkata - 100 016.
9.	. Joint Director, Institute of Local Government & Urban Studies, ILGUS Bhawan, Block - HC,
	Sector – III, Salt Lake, Kolkata – 100 016.
1	0. Treasury Officer, Treasury, P.O, Dist.
	1. Municipal Commissioner/Commissioner/C.E.O./E.O.
197	Municipal Corporation/Municipality/Industrial Area Authority/Notified Area Authority.
1	2. Examiner of Local Accounts, West Bengal, C.G.O. Complex, Block - DF, Sector - I, Salt Lake
	Valleta 100 064
1	3 District Municipal Development Officer. , Office of
	the District Magistrate,, P.O.
	Dist
1	4. P.S. to Hon'ble Minister-in-Charge, Department of Urban Development & Municipal Affairs.
1	5. Special Secretary/ Joint Secretary, Department of UD&MA, Govt. Of West Bengal.
1	6. Sr. P.A. to Secretary, Department of Urban Development & Municipal Affairs.
1	7. Section Officer, Budget & Planning Cell of this Department.
	Avata and

Joint Secretary to the

Government of West Bengal

Operational Guidelines for implementation of - "Banglar Bari" (Cluster Approach)

Introduction:

The Housing for Urban Poor is a state level scheme of UD&MA Department which provides financial assistance of Rs. 2.79 lacs each for dwelling unit of minimum 25 sqm carpet area to the homeless families in municipal areas. There are policy guidelines for providing Government land / bastu land under "Nijo Bhumi Nijo Griha" scheme formulated by UD&MA Department. Land is issued free of cost and cost of construction of dwelling unit is generally covered under the State Plan Scheme stated above.

Now, Government of West Bengal in the Department of Urban Development and Municipal Affairs after careful examination of the problems of implementation, particularly limitations of availability of land, considered to revise fund pattern and guidelines of "Housing for Urban Poor" and formulated a new scheme named as "Banglar Bari" to be rolled out in the state. The objective of the scheme will be to provide new DUs to the Urban Poor not on individual basis but on cluster approach considering the limitation of availability land by constructing multi-storied Flats.

Scope of Work:

The scheme envisages construction of multi-storied flats of G+ 3 heights and minimum carpet area of 285 sq. Feet (26.48 sq.m.) and 350sq ft. (32.52 sq m) super build up area instead of single dwelling units and the units cost will be Rs. 4.79 Lakhs per single unit and the G+3 LIG housing project will make provision of 16 dwelling units. The UD&MA Department will be the Nodal Department. SUDA may act as State Level Nodal Agency.

Standard design for new construction:

The newly named scheme "Banglar Bari", will follow the standard estimate which have been developed by Kolkata Metropolitan Development Authority (KMDA) under Department of Urban Development and Municipal Affairs, as set out in Annexure A (Summary of total cost), Annexure B (Costing of Single DU), Annexure – C, D & E (Drawings of DU) and Annexure F (Details of estimate).

It is clarified that the planning and design of the buildings should follow the existing Municipal Building Rules and Indian Standard Codes. The Unit cost of each Dwelling Unit has been finalized as Rs. 4.26 lakh plus Rs. 0.53 lakh will be utilized for the provisions of Utilities as per latest PWD schedule of rates (Building, Sanitary & Plumbing). The total Unit cost of each Dwelling Unit will be 4.79 lakh.

Eligibility Condition:

It is now clarified that, after giving preference to women headed families and disabled families and other economically weaker families who are having monthly income upto Rs. 10,000/- (Ten thousand only) will also get a scope to receive benefits as per this new scheme. The coverage of SC / ST and minority segments shall be at least in the same proportion as the percentage of SC/ST and minority population in the ULB concerned.

Selection of Beneficiaries and Role of ULBs:

Responsibility of selection of beneficiary, making available and identification of land for this scheme; documentation, handing over possession of flats, signing of agreements with the allottees and taking over the responsibility of providing civil services / maintenance of the housing scheme may be done by the respective ULB. An Appropriate memorandum of understanding may be signed between the implementing agency and the ULB. The ULBs will send the proposals to UD&MA Department in specific format and the department will consider this on case to case basis.

Implementation Procedure:

For implementation of the newly developed scheme "Banglar Bari", ULBs would submit project proposals to State Urban Development Agency (SUDA) with details of the proposed beneficiaries to be covered as well as nature of work to be taken up and assistance to be provided to the beneficiaries. The proposals will be considered by the UD&MA Department on case to case basis and provision of funds from State Plan/Central Schemes will be made accordingly.

Admissible Financial Assistance/ Funding Pattern:

The unit cost shall be based on the PWD schedule of rates for the dwelling units and shall be considered from the Departmental State budget of Housing for Urban Poor or the scheme shall be dovetailed with Affordable Housing in Partnership, a component of Housing for All, contribution of Urban Local Body & Beneficiary. The amount to be contributed by the Urban Local Body and by the beneficiary concerned will be detailed in the Administrative Approval and Financial Sanction Order. The Unit cost of each Dwelling Unit has been calculated considering 16 housing units (G+3) LIG flats are in the tune of Rs. 4, 25,936.00. The rates have been taken from latest PWD schedule of rates of (P.C) 2015. Rs. 0.53 lakh will be utilised for the provision of utilities per flat.

As per this standard estimate unit cost of each dwelling unit having 285 sq ft. (26.48 sq m) and 350sq ft. (32.52 sq m) super build up area comes out to be in the tune of Rs.1217/- per sq.ft

However, the brand name of the scheme "Banglar Bari" will be state specific.

The unit cost of each dwelling unit may vary depending upon the sub soil condition of that particular site.

Execution of Work:

The newly developed project namely 'Banglar Bari' shall be assigned to housing sector of the KMDA/KMC/MED or other State Executing agencies like SUDA as may be decided by the State Government for each case. However an appropriate memorandum of understanding has to be signed between the implementing agency and the urban local body, inter alia, covering the responsibility of selection of beneficiary, documentations, handing over possession of the flats, signing of agreements with the allottees and taking over the responsibility of providing civil services / maintenance of the LIG housing project after financial closure of the project by the implementing agency. The implementing agency will transfer the responsibility after final closer and taking over of the possession by ULBs.

Specific time of completion of Project:

The maximum admissible time period for completion of the project work will be 12 (Twelve) months from the date of release of fund the implementing ULB/agency.

Supervision and Monitoring:

Municipal Engineering Directorate (MED) and the housing sector of KMDA will be in charge of technical monitoring jointly. If required, they may engage 3rd party monitoring agencies like, too. The monitoring will mean physical and financial progress of implementation. ULBs will provide video records of the schemes at the time of construction. Before release of funds in 2nd instalments, SUDA will obtain performance report from Municipal Engineering Directorate (MED) and the housing sector of KMDA in specific format.

Release of funds:

SUDA (the State Level Nodal Agency) shall release 50% of the admissible Government share on approval of the project and further instalment will be released on utilization of 70% of the available funds.

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Secretary to the
Government of West Bengal

Ann exure A

Summary of cost Estimate for Construction for 16 dwelling units

1) Foundation Works	Rs. 7,96,066.00
2) Super Structure Works	Rs. 53,87,554.00
Total=	Rs. 61,83,620.00
Internal Electrification	Rs. 4,32,853.40
(7%)	
Total =	Rs. 66,16,473.40
Add 3% Contingency =	Rs. 1,98,494.20
,	Rs. 68,14,967.60
Say =	Rs. 68,14,968.00
Cost per Dwelling Unit=	Rs. 68,14,968.00/16
	Rs. 4,25,935.50
Say =	Rs. 4,25,936.00

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of 4/2/17 (CECHS)

Ajoy Kumar Ghosh

Executive Engineer MOA.

Chief Engineer

Kolkata Metropolitan Development Authority

Housing Sector

Annexure B

Costing of Flat for Banglar Bari

Carpet Area of each Flat = 285.00 Sft.

Built-up Area of each flat = 350.00 Sft.

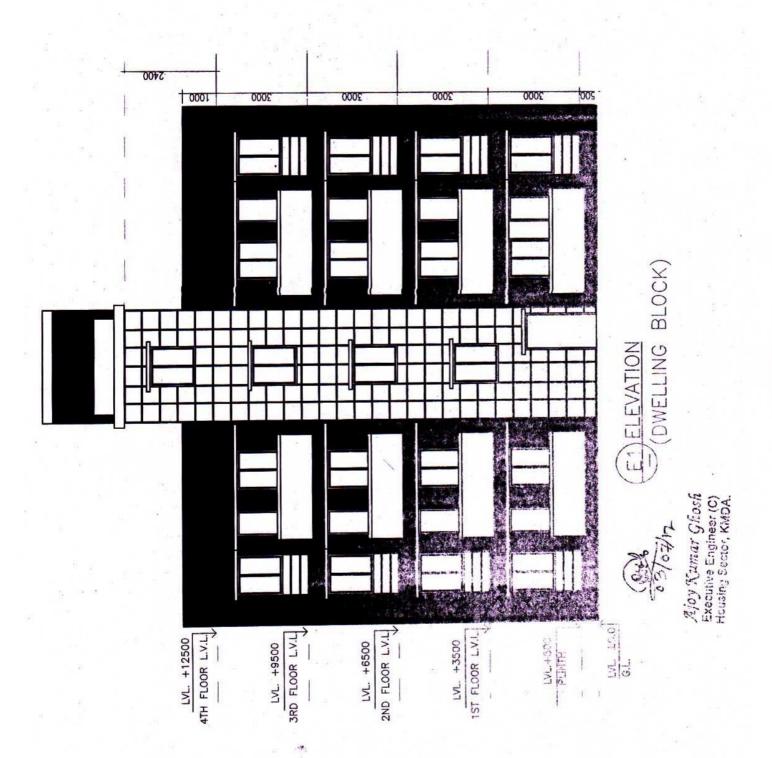
Cost per Sft. = Rs. 4,25,936.00/350

= Rs. 1216.96

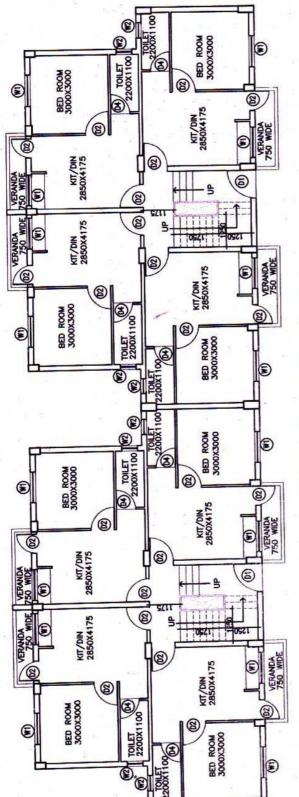
Say = Rs. 1217.00

Ajoy Kumar Ghosh Executive Engineer (C) Executive Gector, Kindo.

Annexure-c



Annuxere-D

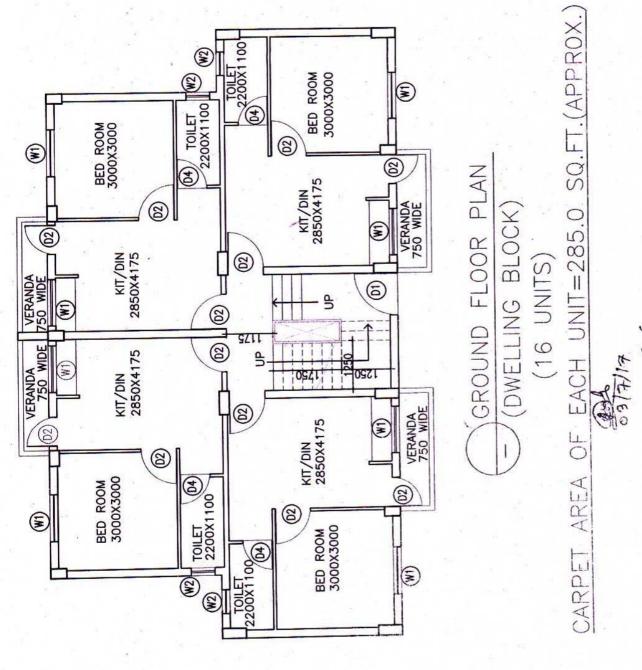


GROUND FLOOR PLAN

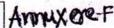
(32 UNITS)

CARPET AREA OF EACH UNIT=285.0 SQ.FT.(APPROX.)





Summary of Estimate for Construction of 16 dwelling units for the Slum Dwellers based on PWD Schedule 2015 with effect from 01/12/2015.

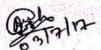


SI No.	Brief Description Of Work (Super Structure	Qty.	Rate	Unit	Amount
10000	only)		(Rs.)		(Rs.)
100	Controlled Cement concrete with well graded stone	5 9 3			8-
	chips (20mm graded nominal size) excluding	* 性質器日	S = 1 3 1	0.0	M 1 2=_ "
. 1.5	shuttering and reinforcement with complete design of	100	4		15 10 20
	concrete as per IS:456 and relevant special	17 44 7	1.74		
1	publications, submission of job mix formula after			and.	
and the	preliminary mix design after testing of concrete cubes		1.56		
To the	as per direction of Engineer-in-charge. Consumption	Way St	8 TH (15	1.	
	of cement will not be less than 300 Kg of cement				9-21
100	with Superplasticizer per cubic meter of controlled		100		FR 15
1	concrete but actual consumption will be determined	The Name of	1		50 S 30 S
	on the basis of preliminary test and job mix formula.		- Jan 1		The NAME OF
	In ground floor and foundation.				
-6(a)	[using concrete mixture]				
-13	Pakur Variety		10.20	100	
a 6 5 5	M !0 Grade			100	
	a) at ground floor.	35.00Cum	6873.68	Cum.	240,578.80
	Ra : in words -Rupees six thousand eight hundred	Maria Late		10 M	- 1 post
and to	sev nty three and paisa sixty eight only.		100		100
1		35.00Cum	6893.68	Cum.	241,278.80
	b) at 1st floor. Rat : in words -Rupees six thousand eight hundred		14102		
	Rai : in words - Rupees six thousand eight numbee				100
	nin ty three and paisa sixty eight only.	17-18-18		1	10 mm av 15 V
	c) at 2 nd floor.	35.00Cum	6913.68	Cum.	241,978.80
	Rate in words -Rupees six thousand nine hundred		100000		
		7 (7)	100	100	100 100
	thirteen and paisa sixty eight only.	35.00Cum	6933.68	Cum.	242,678.80
19.50	d) at 3 rd floor	33.00Cum	0933.00	Cuiii.	
	Rate in words -Rupees six thousand nine hundred		A TOTAL		1
	thirty three and paisa sixty eight only.		D. St. Co.	14	
	e) at 4 th floor(above 3 rd floor)	10.00Cum	6953.68	Cum.	69,536.80
	Rate in words -Rupees six thousand nine hundred				
	Rate in word respect	43 at 1 45	13.0		
	fifty three and paisa sixty eight only.				
2	Hire and labour charges for shuttering with centering			100	
	and necessary staging upto 4 mtr. using approved				
100	[1] [1] [1] [1] [1] [1] [1] [1] [1] [1]			100	
13.40	stout props and thick hard wood planks of approved				
	thickness with required bracings for concrete slabs,	A Section 1	1		100000000000000000000000000000000000000
- 1					A de la constitución de la const
	beams, columns, lintels curved or straight including				10 Jan 190
	fitting, fixing and striking out after completion of		100	A 10 %	A STATE OF
William .					4.97
	Steel shuttering or 9 to 12 mm thick approved quality				10
1 111 -	Steel shuttering of 9 to 12 min tinex approved quarry		The second	117.00	4-6
	ply board shuttering in any concrete work		A Complete		104 030 00
I-12	a) at ground floor.	310.00Sqm	403.00	Sgm	124,930.00
P-26	Rate in words - Rupees four hundred three only.			1.0	
1-20			401.00	Sam	130,510.00
1. 18.	b) at 1st floor	310.00Sqm	421.00	Sqm	150,510.00
	Rate in words - Rupees four hundred twenty one	at a sum			A 11 - 27 - 27
100	only.	210 000	439.00	Sqm	136,090.00
1,750	c) at 2 nd floor	310.00Sqm	137,00		
	Rate in words - Rupees four hundred thirty nine				380
	only.	310.00Sqm	457.00	Sqm	141,670.00
100	d) at 3 rd floor	310.005qiii		0.0	
13.50	Rate in words - Rupees four hundred fifty seven		100		W 2
	only.	80.00Sqm	475.00	Sqm	38,000.00
40 10 10 10	e) at 4 th floor Rate in words - Rupees four hundred seventy five	21-	and address of		1,607,252.0
- 14.18					

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Ajoy Kumar Ghosh Executive Engineer (C) Housing Sector, KMDA. Aloy Kumar Ghosh Housing Sector, KMDA.

STAR .					
1	Reinforcement for reinforced concrete work in all	1.	8 45 1		
	sorts of structure including distribution bars, stirrups,			101413	
	binders, etc. including supply of rods, initial				
	strengthening and removal of loose rust(if				10 0 at 12 1
	necessary), cutting to requisite length, hooking and		T. July		off other
	bending to correct shape, placing in proper position		1 14		
	and binding with 16 gauges black annealed wire at	. 4 5			
	every inter-section, complete as per drawing and			8 3 y 3	
	direction.				
111	i) Tor steel / Mild steel.				
15	SAIL/ TATA/RINL				
-27	a) For works in foundation, basement and up-to	3.20MT	61936.00	MT	198,195.20
		All Street	esty to it		170,177.20
	roof of ground floor up-to 4 Mtrs. Rate in words - Rupees sixty one thousand nine			1.45	
	Rate in words - Rupees sixty one thousand nine		Section 3.		
s Pys	hundred thirty six only.	2202	(2416.00	100	100 731 20
	b) at 1st floor Rate in words - Rupees sixty two thousand four	3.20MT	62416.00	МТ	199,731.20
			Day and a		
	hundred sixteen only.	3.20MT	62896.00	МТ	201,267.20
s and the	c) at 2 nd floor Rate in words – Rupees sixty two thousand eight	3.20M1	02090.00	IVI I	201,207.20
			2	1.40	
	hundred ninety six only. d) at 3 rd floor	3.20MT	63376.00	мг	202,803.20
	Rate in words - Rupees sixty three thousand three		2-12-2		
			1011-201		
	hundred seventy six only. e) at 4 th floor	1.00MT	63856.00	MT	63,856.00
150	Rate in words - Rupees sixty three thousand eight				
	hundred fifty six only.				
14.1	25 mm thick damp proof with cement concrete	20.00Sqm	297.00	Sqm	5,940.00
	(1:1.5:3) with graded stone aggregate 10 mm nominal				
187	size and painting the top surface with a coat of		777		
	bitumen(VG.40) using 1.7 kg per sqm including			A. San	
	heating the bitumen and cost and carriage of all			4.5	- N
	의 경기를 살아왔다면 그리고 하는 그리고 있다고 있다.		1 1 1 1		
12	materials complete. (Bitumen to be supplied by the agency)			5.2	
			1.37		
45	Rate in words - Rupees two hundred ninety seven		Sec. 5. 5		
91.	only. Supplying and laying polythene sheet(150gm/sqm)	100.00Sqm	25.00	Sqm	2,500.00
	over damp proof course or below flooring or roof		- N.		
	terracing or in foundation or in foundation		12. N		
	trenches.				
13	Rate in words - Rupees twenty five five only.				
-45		6,000	12644.00	Court	68,220.00
	Supplying, hoisting, fitting and fixing RCC precast	5.00Cum	13644.00	Cum	00,220.00
	thin lintels, 75mm thick (1:1.5:3) conforming to the		100	77	1. 4
	specification laid down in CBRI data sheet No.1 with		1	Total Co.	
14.	stone chips, sand, cement and reinforcement (both				
4	main and distribution) bars up-to 1% as per drawing				
7 1	and specification including placing in situ and			at a	1 7
10	supporting arrangement for taking the load of super-		140		11.00
Total Control	imposed brick work and striking of the same when				13 15 T
	directed.		R		147 5.31.4
43	Rate in words - Rupees thirteen thousand six		1		1 1977
	hundred forty four only.		120		
	Consensation and the state of t	(A) (A)			2,549,764.80



7	Brick work with 1st class bricks in cement mortar(4:1)	11.00Cum	6068.00	Cum	66,748.00
21a	a) In foundation and plinth.	44			
-29	Rate in words - Rupees six thousand sixty eight				1
	Brick work with 1st class brick work of width 200				
	mm with non-modular bricks in cement sand mortar(6:1)			A	
-191	In Superstructure up-to 5th Floor (Cement 0.055			2 - 8a	
mie I	cum. sand 0.33 cum. per cum. of such brick	04.		4 40	
44	work will be consumed.) a) Ground floor	15.00Cum	6016.00	Cum	90,240.00
-34	Rate in words - Rupees six thousand sixteen only.				
	b) 1st floor	15.00Cum	6128.00	Cum	91,920.00
	Rate in words - Rupees six thousand one hundred		100	102	
	twenty eight only.				02 (00 00
	c) 2 nd floor Rate in words – Rupees six thousand two hundred	15.00Cum	6240.00	Cum	93,600.00
0.00	forty only.	15.000um	6352,00	Cum	95,280.00
La Pare	d) 3 rd floor Rate in words - Rupees six thousand three hundred	15.00Cum	6332.00	Cum	73,200.00
	fifty two only.				
	e) 4 th floor	5.00Cum	6464.00	Cum	32,320.00
	Rate in words - Rupees six thousand four hundred		P .		- 4 5
	sixty four only. 125 mm, thick brick work with 1st class bricks in		1.0	1000	
37-13	cement mortar (1:4) in ground floor.			STATE OF	
	a) Ground floor	55.00Sqm	783.00	Sqm	43,065.00
29 &42	Rate in words - Rupees seven hundred eighty three only.		3.0	130	
-31&33	b) 1 st floor	55.00Sqm	795.00	Sqm	43,725.00
	Rate in words - Rupecs seven hundred ninety five		1		
	only. c) 2 nd floor	55.00Sqm	807.00	Sqm	44,385.00
	Rate in words - Rupees eight hundred seven only.			13	A
	d) 3 rd floor	55.00Sqm	819.00	Sqm	45,045.00
	Rate in words - Rupees eight hundred nineteen		1		
-	only. e) 4 th floor	20.00Sqm	831.00	Sqm	16,620.00
	Rate in words - Rupees eight hundred thirty one			4	
0	75 mm thick brick work with 1st class bricks set in			4-	
100	cement sand mortar (1:4) including HB netting in				
-34a& 42	every alternate layers. a) Ground floor	45.00Sqm	537.00	Sqm	24,165.00
P-32 &	Rate in words - Rupees five hundred thirty seven	E P Visite			
13	only. b) 1st floor	45.00Sqm	549.00	Sqm	24,705.00
	Rate in words - Rupees five hundred forty nine				
	only. c) 2 nd floor	45.00Sqm	561.00	Sqm	25,245.00
	Rate in words - Rupees five hundred sixty one	43.1		V E	
	only. d) 3 rd floor	45.00Sqm	573:00	Sqm	25,785.00
	Rate in words - Rupees five hundred seventy three			- S- 1	
Star.	only. e) 4 th floor	10.00Sqm	585.00	Sqm	5,850.00
	Rate in words - Rupees five hundred eighty five only.	The same of the	13-1	2 24	3,318,462.80



97	Artificial stone in floor, dado, stair case etc. with			100	
	cement concrete (4:2:1) with stone chips laid in	Digital services			
213	panels as directed with topping made with ordinary				
	or white cement(as necessary) and marble dust in		8.5		
	proportion(1:2) including smooth finishing and				200
	rounding off corners including racking out joints or			10 1E	
				.	
1	roughening of concrete surface and application of		4 = 1		A 30 PM
arte.	cement slurry before flooring works using cement @	W 12 4	the feet	10	No. The s
	1.75 kg/sqm al complete including all materials and		100		
	a mm thick topping (High polishing grinding on this		P.VE		
			H 1 2 .		
137	item is not permitted with ordinary cement) using		× *		
90.0	grey cement i)25 mm thick		artico.	N. 199.	
ю	a) Ground floor	135.00Sqm	303,00	Sqm	40,905.00
	Rate in words - Rupees three hundred three only.	Padroy's 5		To the last	
4.		135.00Sqm	307.55	Sqm	41,519.25
	b) 1st floor Rate in words - Rupees three hundred seven and	155.005411			
				A. 25 11-12	7 1 2
	paisa fifty five only.	135.00Sqm	312.10	Sqm	42,133.50
	c) 2 nd floor Rate in words – Rupees three hundred twelve and	100.000	, and	V 63 • 100	
	paisa ten only.	105,000	216.66	Sam	42,747.75
	d) 3 rd floor	135.00Sqm	316.65	Sqm	42,147.75
	Rate in words - Rupees three hundred sixteen and		1.75	- W	
	paisa sixty five only.		321.20	Sqm	4,818.00
12.143 To	e) 4th floor	15.00Sqm	321.20	oqiii	1,010.00
	Rate in words - Rupees three hundred twenty one		- 3	5	
100	and paisa twenty only.		190	100	76
	Supplying, fitting and fixing windows and ventilators				100
909	with or without integrated grills conforming to IS		4-2-6-8	1	
	1038-1975 and manufactured from rolled steel	100	her the	Sec. 27.	
	sections conforming to IS 7452-1974 with non-			- 100	
e ta.	friction projecting type, box type hinges, glazing			A. M. J	
4	경기를 받는 것이 되면 가장을 살아 있다면 무슨 것이 되었다. 그 사람이 되었다. 그는 그는 것이 되었다. 그리고 살아 없는 것이 없다면 살아 없다.		1		1.0
	clips, lugs locking bracket, handle plate etc. including		F 44	A	
	hoisting in position, straightening if required, fixing			- 1	
	lugs in cement concrete (1:2:4) with stone chips 20				
33	mm down cutting holes and mending good damages			1 1 2 2	
-82	to match with existing surface complete in all respect	H Harris			
					The party is
8	excluding glazing. i) Supply and fixing openable steel window as per		Ale I e		1 10
311		The state of	S AT	1.50	H _a R _{1 I}
	I.S. sizes with side hung shutters and horizontal			E	2 7
8.47	glazing bars with or without fixed type ventilators.				
	a) Ground floor	11.00Sqm	2031.00	Sqm.	22,341.00
	Rate in words - Rupees two thousand thirty one				3,512,927.30
		103	1		



	b) 1st floor	11.00Sqm	2055.37	· Sqm.	22,609.07
1,12	Rate in words - Rupees two thousand fifty five and			3.3	V 4. 5
					40
	paisa thirty seven only. c) 2 nd floor	11.00Sqm	2079.74	Sqm.	22,877,14
	Rate in words - Rupees two thousand seventy nine	a de la seco	Mark Mark		
		1 5 4			
- 145	and paisa seventy four only.				02.145.01
	d) 3 rd floor Rate in words – Rupees two thousand one hundred	11.00Sqm	2104.11	Sqm.	23,145.21
7.5	Rate in words - Rupees two thousand one manufed				
	four and paisa eleven only.		- × *	9	
45/5					
	e) 4th floor	5.00Sqm	2128.48	Sqm.	10,642.40
	Rate in words - Rupees two thousand one hundred		3.2	2,24399	
				va Maria	
12	twenty eight and paisa forty eight only.	1 4 7	11.00	-	£ 12£ 00
	ii) Supply & fixing two point nose steel handle for steel window.	125,00Nos	41.00	Each	5,125.00
	Rate in words - Rupees forty one only.			1	
	iii) Supply & fixing 300 mm long steel peg stay for	125.00Nos	29.00	Each	3,625.00
	steel window. Rate in words - Rupees twenty nine only.		1.45	* -	
W .		960 007	95.00	ba	72,250.00
1	iv) M.S. Integrated grill of approved design	850.00Kg	85.00	kg	12,230.00
	integrated with steel window or ventilator, joints				
1.50	continuously welded with M.S. flats and bars .		3		
	Rate in words - Rupees eighty five only.			* ± 1	4 16
	Wood work in door and window frame fitted and	2.00Cum	95898.00	Cum	191,796.00
	fixed in position complete including a protective coat	1 19 11	21/23		a de
4.	of painting at the contact surface of the frame		122	2-	
	excluding cost of concrete, Iron Butt Hinges and M.S	20 30 11		¥*	
1	Clamps. (The quantum should be corrected up to three		T. 1	275,24	
N. T.	decimals).				
1 -85	(a) Sal: Malayasian Rate in words - Rupees ninety five thousand eight	5 8			*
-35	hundred ninety		8.7		
1	eight only. i) Supply & fixing M.S. clamp for fixing door	180.00Nos.	22.00	Each	3,960.00
4	/window frame made		2.70	100	1.0
No.	of flat bent bar, end bifurcated with necessary				749
all the	screws etc by cement concrete (1:2:4) as per direction. (Cost of concrete	V 84			, e
-18	will be paid				
-90	separately.)		, K	150	
-20	a) 40 mm x 6 mm, 125 mm length Rate in words - Rupees twenty three and paisa				
	thirteen only		, A		2
-91	(The concreting will have to be done for		1		
	equivalent thickness of 2 layers of brick work	er inger		R	
	and for the entire width of the wall. No				
	deduction on brick work will be made.) ii) Iron butt hinges of approved quality fitted and	11		-	
-25					100
P-93	fixed with steel screws, with ISI mark. a) 75mm x 40mm x1.12 mm.	50.00Nos.	31.00	Each	1,550.00
1-27				2 2	
P-93	Rate in words - Rupees thirty one only	10.00	10.00	Park	13,000.00
1.50	b) 100 mm x 58mm. X 1.9mm	250,00Nos.	. 52.00	Each	15,000.00
		2 15 16	1		3,883,507.1



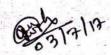
	Rate in words - Rupees fifty two only		1	a several	- M 1
	iii) Supply & fixing Iron socket bolt of approved		12.4		
1	quality fitted and fixed complete.				1.4. 7
	a) 75 mm long x 10 mm dia bolt	35.00Nos.	38.00	Each	1,330.00
	Rate in words - Rupees thirty eight only			-	
	b) 225 mm long x 10 mm dia bolt	60.00Nos.	87.00	Each	5,220.00
	Rate in words - Rupees eighty seven only.				Mark III
	iv) Supply & fixing Iron hasp bolt of approved	20.00Nos.	155.00	Each	3,100.00
			2	0.00000	156.5333947
	quality fitted and fixed complete (Oxidised) with				61
	16mm. dia .rod with center bolt and round fittings				100
	a) 200 mm. long.		Mark .	. 7	1
	Rate in words - Rupees one hundred fifty five only.		May The		
	v) Iron catch hook of approved quality fitted and	110,00Nos.	40.00	Each	4,400.00
	fixed to shutter and chowkat.		15 15	4.4	
	(a) 6mm dia x 100mm long.		1.00	diam'r	
١	Rate in words - Rupees forty only.				
	Panel shutters of door and window, as per design	1. 34 L Y		713	
	(each panel consisting of single plank without joint),		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	including fitting and fixing the same in position but			4. 4. 4.	
	excluding the cost of hinge and other fittings. (In case		F. A.	4.5	
	of non-supply of single plank, penal rate of reduction		7.	4.0	
	of 20% will be made)	7 - June			
ı	i) 35mm thick shutters with 19 mm thick				La Ker
	panel of size 30 to 45 Cm.		100	4. 25.0	3 4 5 5 7
	(a) Sishu, Gamar, Champ, Badam, Bhola, Mogra,	1111	(1 min 1 min	- 4,0- 3	
	Hallak. a) Ground floor	20.00Sqm	3335.00	Sqm.	66,700.00
	Rate in words - Rupees three thousand three				
	hundred thirty five only				
	b) 1 st floor	20.00Sqm	3364.00	Sqm.	67,280.00
	Rate in words - Rupees three thousand three			3	
	hundred sixty four only	A A	2 4 7 7		
	c) 2 nd floor	20.00Sqm	3393.00	Sqm.	67,860.00
	Rate in words - Rupees three thousand three				
	hundred ninety three only	20.00Sqm	3422.00	Sqm.	68,440.00
	d) 3 rd floor Rate in words - Rupees three thousand four	The state of the s	3122.00	- June	
	a management of the same of th		X , ,		
	hundred twenty two only		100 pt 100		5. n 15.
		V or			
	e) 4 th floor	10.00Sqm	3451.00	Sqm.	34,510.00
	Rate in words - Rupees three thousand four	m*		100	4,202,347.12
	hundred fifty one only		Trans.	- SM 2 - 1	Control of the Contro

16	Supplying, fitting and fixing in position approved	80.00Mtr	282.00	Mtr	22,560.00
	PVC door frame(matt finish) made of extruded PVC	William Park	V 22		Ser Co
- 04	multi chamber hollow section having dimension 60		400		
	mm x50mm x 2mm(+/- 0.2mm) horizontal section				
	will be joined with vertical section by galvanized		_ H 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
43	steel screws after inserting two number steel brackets				
134	as reinforcement making suitable space for placing	4.0		a in	
100			8. 8.		
200	hinges, one steel tube 40mm x 20 mm x 1.2 mm will		No.	Maria Ve	
	be inserted on one full vertical side of the frame				1 1 10 10
	(hinge side) as reinforcement, the frame will then be		1 K 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 8	
	fixed in the opening with the help of PVC		1		
	expandable fastener wooden gut ties and galvanized				1 404
	steel screws including cost of all materials and		7.3	1.37	22
	labour, hire charges of tools and appliances, carriage				
	of all materials, taxes and all other incidental charges		PQ 8		8.8
-154 P-139	complete. Rate in words - Rupees two hundred eighty two		The fact		
	only	- N		Walter H	1 0 0 000
7	Supplying fitting and fixing P.V.C. door shutter of	25.00Sqm	2149.00	Sqm	53,725.00
- 1	approved quality & shade in position, the style & rail	A Party			
. 010	of the P.V.C. door shutter will be made of rigid PVC		20		
1	multicavity hollow chamber of 59 mm x 30 mm		EFF A.F	3 - 3 - 5	
	section with 2.0 mm (+/-0.2 mm) wall thickness.		197.0		
	Horizontal & vertical section shall be fixed to each other by self tapping screws and I solid polymeric or				
E 4 5	M.S. galvanized tubular 'L' shaped bracket 100mm x			1.5	
	200mm in each corner of the shutter frame for				1 2 2 2
7.52	placing hinges. Polymer based multicavity hollow		Carrier .		
	section of 120 mm x 30 mm with 2.0 mm (+/- 0.2				
	mm) wall thickness will be fitted in the middle,				
81.0	reinforced by solid polymer bar of 200 mm long at	197 9 19			9 87.2
1 150	both ends and screws from both sides as lock rail.	haging die			
	The section frame will then be fitted in by PVC				
	panels of size 100 mmx25 mm with wall thickness of			2/1	The second of
11:	1.2 mm (+/- 0.2 mm) and 2 nos. of 6 mm dia bright			4,82	Table 1
- 9.	rod will be inserted horizontally with both side check		2 2 2 2		18
	and nut system and stretches where fixing of hinges / hasp bolt /tower bolt / door ring are required to be		24.	1. 16 6.70	19 19 1
	strong enough to with stand wear and tear. The rate is		C	Maria 19	
	inclusive of cost of all materials, labour and hire of		2.2		
	tools and plants and appliances. Carriage of all		10 X		
	materials, taxes and all other incidental charges	17		5-1-6	100 11 1143
2_3154	complete. The rate is exclusive of cost of hinges,	Will be to	Ben Ben	1	
E Take	hasp bolt, tower bolt, door ring etc.				
	a) PVC Door Shutter-30 mm thick:		3.0	Period .	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
-155B	L) 110 2001 2		000	400	3.90
I-155B P-141	Rate in words - Rupees two thousand one hundred	y The A	No. of	1950	

18	Labour for chipping of concrete surface before taking	930.00Sqm	21.00	Sqm	19,530.00
1.0	up plastering work. Rate in words – Rupees twenty one only				
4			Section's	Five Fig.	
	Plaster (to wall, floor, ceiling etc.) with sand and		100		100
	cement mortar including rounding off or chamfering			H 100	
	corners as directed and racking out joints including	No. 1 As		1867 P. 1	6 1 5 5
5.4	throating, nosing and drip course, scaffolding/staging			May a F	
(e) (174)	where necessary. (excluding cost of chipping over concrete surface)	4 - 1 - 1 - 1 - 1	Marin To 14	of the second	
\\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\		***	Winds.	215, 47, 61, 6	
53	a) On external surfaces: 20 mm thick with 1:6			1.74	
14	cement mortar.		101.00	0	27 150 00
	i)Ground floor	150.00Sqm	181.00	Sqm	27,150.00
	D		12		
77	Rate in words - Rupees one hundred eighty one		well st	47.4	
	only ii) 1 st floor	150.00Sqm	185.00	Sqm	27,750.00
1	Rate in words - Rupees one hundred eighty five			47.00	3 1 2
			900		
1.	only iii) 2 nd floor	150.00Sqm	189.00	Sqm	28,350.00
	Rate in words - Rupees one hundred eighty nine		11.		11. 11. 11
	only		120	4.	
- 11	iv) 3 rd floor	150.00Sqm	193.00	Sqm	28,950.00
	iv) 3 rd floor Rate in words - Rupees one hundred ninety three		12.00		
	only				14 775 00
	v) 4 th floor	75.00Sqm	197.00	Sqm	14,775.00
	Rate in words - Rupees one hundred ninety seven			1 1	4
2 13	b) On internal surfaces: 15 mm thick with 1:6			10000	
	cement mortar.	220.000	156.00	Sqm	51,480.00
	i) Ground floor	330.00Sqm	130.00		31,100.00
*	Rate in words - Rupees one hundred fifty six only		18 S. 18 -		
101		330.00Sqm	160.00	Sqm	52,800.00
1	ii) 1 st floor Rate in words – Rupees one hundred sixty only	350.003qiii			
100	Rate in words - Kapees one nanosed sixty only		1	1.10	
15	iii) 2 nd floor	330.00Sqm	164.00	Sqm	54,120.00
	Rate in words - Rupees one hundred sixty four			4 112	
	only	330.00Sqm	168.00	Sqm	55,440.00
	iv) 3 rd floor Rate in words – Rupees one hundred sixty eight				
	only	15 to 1000		7 0.23	
	v) 4th floor	330.00Sqm	172.00	Sqm	56,760.00
	Rate in words - Rupees one hundred seventy two			0.8	
	only	1371 2 183	100	9.00	
	c) On internal surfaces: 10 mm thick with 1:4	a within t	18 9 "		
40.00	cement mortar.	110.00Sgm	140.00	Sqm	15,400.00
	i) Ground floor	110.003qm	1-70,00	4	
	Rate in words - Rupees one hundred forty only	1021-021		0	15,840.00
	ii) 1 st floor	110.00Sqm	144.00	Sqm	15,640.00
i Serie	Rate in words - Rupees one hundred forty four	i salawa		. 3.7.	
	only.	110.00Sqm	148.00	Sqm	16,280.00
117	iii) 2 nd floor Rate in words – Rupees one hundred forty eight	- m getting betygen and the		- SE	1 1 2 2
	Rate in words - Rupees one number lotty eight only		18		14 700 00
	(v) 3 rd floor	110.00Sqm	152.00	Sqm	16,720.00
	Rate in words - Rupees one hundred fifty two only				A 2 . A. A.
		*****	156.00	Sqm	8,580.00
	v) 4 th floor	55.00Sqm	130.00	- Sqiii	- P. S. S. S.
	Rate in words - Rupees onethundred fifty six only			de la	4,768,557.1



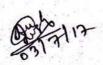
20 -	Neat cement punning about 1.5 mm thick in wall,	375.00Sqm	38.00	Sqm	14,250.00
215	dado, window sills, floor, drain etc.(Cement0.152 cum per 100m²)	to the		- N	
8	Rate in words - Rupees thirty eight only			-24 (1)	
			100	120 3 3	- A
-152				1	
1	Supplying best Indian sheet glass panes set in putty	55.00Sqm	544.00	Sqm	29,920.00
1	and fitted & fixed with nail & putty complete.	19.			
1	a) With 3mm(weighing 7.4 kg/sqm)			- 20-	
P-166	Rate in words - Rupees five hundred forty four		100	-02_	
-7	b) Extra for fixing glass panes in steel window	55.00Sqm	67.00	Sqm.	3,685.00
P-167	Rate in words - Rupees sixty seven only				
22	MS or WI ornamental grill of approved design, joints	3.00Qtl	8857.00	Qtl.	26,571.00
100	continuously welded with M.S., WI flats and bars of				
-1.9			4	3.5	
E PERMIT	windows, railing, gate etc. fitted and fixed with		W 1		
4 42 -	necessary screws and lugs in ground floor.		10		
	a) Grill weighing 16 kg/m ² and above.			West of the	
-10	(The weight of grill per sqm will be determined by			7 20 -	1 1 4 5 8
	The margin of Sam has adult with the description of			100	
	taking the physical weight of fabricated grill and		1	A F. 1	
	dividing the same by covered area of the same.)		100		3.754
-76	Rate in words - Rupees eight thousand eight		· Santa Fig.	1000	1.0
	hundred fifty seven only		Barret		
	b)Extra for grill gate:- For hanging and locking	1.00Qtl	1328.55	Qtl .	1,328.55
	arrangement including supply of materials and labour		100		
	complete.(15% extra over the corresponding item of	100			
	grill.)		A 17 F C		
T Servi	Rate in words - Rupees one thousand three				10
4	hundred twenty eight and paisa fifty five only		100	2	The second
23	White washing including cleaning & smoothening	2300	1887	%Sqm.	43,401.00
	surface thoroughly in all floors.				
-3b	a) Two coats.		179.35		
P-155	Rate in words - Rupees one thousand eight				200
	hundred eighty seven only		Real of the		
	Applying Estarior anda Applia primer of approved				
4	Applying Exterior grade Acrylic primer of approved	. 1	22 -		
24	quality and brand on plastered or concrete surface old		23 y -		
4	quality and brand on plastered or concrete surface old or new surface to receive decorative textured(matt				
	quality and brand on plastered or concrete surface old or new surface to receive decorative textured(matt finish) or smooth finish acrylic exterior emulsion				
	quality and brand on plastered or concrete surface old or new surface to receive decorative textured(matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface				
	quality and brand on plastered or concrete surface old or new surface to receive decorative textured(matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's				
	quality and brand on plastered or concrete surface old or new surface to receive decorative textured(matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC.				
	quality and brand on plastered or concrete surface old or new surface to receive decorative textured(matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. In Ground Floor:			an kir	
	quality and brand on plastered or concrete surface old or new surface to receive decorative textured(matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. In Ground Floor: Two coats			10 CT	
	quality and brand on plastered or concrete surface old or new surface to receive decorative textured(matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. In Ground Floor: Two coats a) Ground floor	150.00Sam	48.99	Sam	7,348.50
	quality and brand on plastered or concrete surface old or new surface to receive decorative textured(matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. In Ground Floor: Two coats	150.00Sqm	48.99	Sqm	7,348.50
	quality and brand on plastered or concrete surface old or new surface to receive decorative textured(matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. In Ground Floor: Two coats a) Ground floor Rate in words - Rupees fifty three only. b) 1st floor		A AVENUE A	E 1	
	quality and brand on plastered or concrete surface old or new surface to receive decorative textured(matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. In Ground Floor: Two coats a) Ground floor Rate in words – Rupees fifty three only.	150.00Sqm 150.00Sqm	48.99 49.71	Sqm Sqm	7,348.50 7,456.50
	quality and brand on plastered or concrete surface old or new surface to receive decorative textured(matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. In Ground Floor: Two coats a) Ground floor Rate in words - Rupees fifty three only. b) 1st. floor Rate in words - Rupees fifty three only.	150.00Sqm	49.71	Sqm	7,456.50
	quality and brand on plastered or concrete surface old or new surface to receive decorative textured(matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. In Ground Floor: Two coats a) Ground floor Rate in words – Rupees fifty three only. b) 1st floor Rate in words – Rupees fifty three only.		A AVENUE A	E 1	
	quality and brand on plastered or concrete surface old or new surface to receive decorative textured(matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. In Ground Floor: Two coats a) Ground floor Rate in words - Rupees fifty three only. b) 1st. floor Rate in words - Rupees fifty three only.	150.00Sqm	49.71	Sqm	7,456.50 7,564.50
	quality and brand on plastered or concrete surface old or new surface to receive decorative textured(matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. In Ground Floor: Two coats a) Ground floor Rate in words – Rupees fifty three only. b) 1st floor Rate in words – Rupees fifty three only. c) 2st floor Rate in words – Rupees fifty three only.	150.00Sqm	49.71	Sqm	7,456.50
24	quality and brand on plastered or concrete surface old or new surface to receive decorative textured(matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. In Ground Floor: Two coats a) Ground floor Rate in words – Rupees fifty three only. b) 1st floor Rate in words – Rupees fifty three only. c) 2st floor Rate in words – Rupees fifty three only.	150.00Sqm 150.00Sqm	49.71 50.43	Sqm Sqm	7,456.50 7,564.50
14	quality and brand on plastered or concrete surface old or new surface to receive decorative textured(matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. In Ground Floor: Two coats a) Ground floor Rate in words – Rupees fifty three only. b) 1st floor Rate in words – Rupees fifty three only. c) 2st floor Rate in words – Rupees fifty three only.	150.00Sqm 150.00Sqm	49.71 50.43	Sqm Sqm	7,456.50 7,564.50



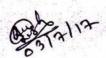
	Protective and Decorative Acrylic exterior emulsion		-884		1 92 W
5	paint of approved quality, as per manufacturer's		200		
	specification and as per direction of EIC to be	- W			
	applied over acrylic primer as required. The rate	1100		2 7 1	
	includes cost of material, labour, scaffolding and all				
	incidental charges but excluding the cost of primer.		A Superior	PARK T	
			1 10		
	In Ground floor (Two Coats)		1 42	1 5 5	
16&20	a) Premium 100% Acrylic Emulsion		2000	100	Company of the Compan
-158 & 159	a) Ground floor	110.00Sqm	92.00	Sqm .	10,120.00
				1.34	
	Rate in words - Rupees fifty three only.	110.00Sqm	92.72	Sqm	10,199.20
	b) 1 st floor	110.005qm	72.12	oqui	10,177.20
	Rate in words - Rupees one hundred twenty five		A section		and the second
4.4	only c) 2 nd floor	110.00Sqm	93.44	Sqm	10,278.40
	Rate in words - Rupees one hundred ninety seven		20.00		
	only		2002	July Control	10.757.60
186	d) 3 rd floor	110,00Sqm	94.16	Sqm	10,357.60
1-0	Rate in words - Rupees two hundred sixty nine		1 Bull		
	only	60.000	94.88	Sqm	4,744.00
1.7	e) 4 th floor	50.00Sqm	94.00	3qii	4,744.00
11	Rate in words - Rupees three hundred forty one				
6	Priming one coat on timber, plastered surface with	200.00Sqm	41.00	Sqm	8,200.00
0				100	
	synthetic oil bound primer of approved quality		100	Sec. 201	
	including smoothening surfaces by sand papering etc.		1.50		
-7a			25.6		
P-162	Rate in words - Rupees forty one only	MATERIAL PROPERTY.	21.00	Come	4,185.00
27	Priming one coat on steel or other metal surfaces	135.00Sqm	31.00	Sqm	4,185.00
100	with synthetic oil bound primer of approved quality	11 .	6.	ALC:	
		te fan de		Sec. 2-14	
	including smoothening surfaces by sand papering etc.		2075	I. Marie Pro	
I-7b	Rate in words - Rupees thirty one only			1.	of a falled again.
P-162					
28	Painting with best quality synthetic enamel paint of		1		T
1.1	approved make and brand including smoothening		4.		
1 - 1 ×					
	surfaces by sand papering etc. including using of		110		
I-8a	approved putty etc. on the surface , if				
				300	4. 2
P-162	necessary.(High gloss and except white)		00.00	0	17 800 00
I-8b	a) On wooden or plastered surface -two coats.	200.00Sqm	89.00	Sqm.	17,800.00
				and a	4 43 34
P-163	Rate in words - Rupees eighty nine only		a 18 8 8	11	9 3 - 50 4
	b) On steel surface - two coats	135.00Sqm	77.00	· Sqm	10,395.00
S Mark	Rate in words - Rupees seventy seven only				W IN THE
	The state of the s		169.00	Cum	3,360.00
29	Removal of rubbish, earth etc. from the working site	20.00Cum	168.00	Cum	3,500.00
	and disposal of the same beyond the compound in	and a	7		1000
136.55	conformity with the Municipal/Corporation rules for		A	1000	7 7 W.F
r,	Conformity with the Mantespan Cospe				
r,	such disposal, loading into truck and cleaning the site				
ř	such disposal, loading into truck and cleaning the site				-
ſ. I-13	such disposal, loading into truck and cleaning the site in all respect as per direction of Engineer-in-charge. Rate in words — Rupees one hundred sixty eight			N	



	Internal sanitary & plumbing works (SOR, Vol-II-2	(014)	A Street	
0	Supplying, fitting and fixing G.I pipes of TATA make with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bat clamps, including cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fitting as required, jointing materials and two coats of painting with approved paint in any position above ground.				
IA of	medium quality) For Exposed Work				part 1
-П	a) 40 mm dia	50.00Mtr	476.00	Mtr	23,800.00
164 144	Rate in words - Rupees four hundred seventy six only			on says	
	b) 25mm dia Rate in words - Rupees three hundred fifty four	40.00Mtr	354.00	Mtr	14,160.00
	only c) 20mm dia	40.00Mtr	260.00	Mtr	10,400.00
	Rate in words – Rupees two hundred sixty only d) 15mm dia Rate in words – Rupees two hundred twenty only	120.00Mtr	220.00	Mtr	26,400.00
I 7g of A-II	Supplying, fitting and fixing alloy iron with brass spindle bib cock/stop cock of approved make and brand, spray painted and tested to 21 kg per sq. cm. a) 15 mm bib cock/stop cock. Rate in words - Rupees one hundred ninety five	115.00Nos.	195.00	Each	22,425.00
of A-II	Supplying, fitting and fixing Peet's valve fullway gunmetal standard pattern best quality of approved brand bearing ISI marking with fittings (tested to 21 kg per sq. cm.) a) 40 mm Rate in words – Rupees two thousand eighty eight	4.00Nos.	2088.00	Each	8,352.00
	only. b) 25mm Rate in words – Rupees one thousand one hundred thirty seven only	8.00Nos.	1137.00	Each	9,096.00
3	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75mm x 75mm wooden blocks, C.P. waste fittings of 32mm dia, one approved quality brass C.P. pillar cock of 15mm dia, C.P. chain with rubber plug of				
	30mm dia, approved quality P.V.C waste pipe with C.P. nut of 32mm dia, 900mm long approved quality P.V.C connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint.		X. T		
2 of A-IV	a) 450mm x 300mm size Rate in words - Rupees two thousand two hundred	16.00Nos.	2207.00	Each	35,312.00
4	orissa pattern water closet in white glazed vitreous china ware of approved make supplied fitted and fixed in position complete excluding 'P' or 'S' trap. (excluding cost of concrete for fixing.)			167	
4 of B-III	i)580 mm x 440 mm	16.00Nos.	2026.00	Each	32,416.00
	Rate in words - Rupees two thousand twenty six only.	F14 57	1	-653	5,193,645.35



35	Supplying, fitting and fixing 10 litre P.V.C. low-down eistern conforming to I.S. Specifications with	16.00Nos.	1181.00	Each	18,896.00
	P.V.C fittings complete, C.I. brackets including two coats of painting to brackets etc. Rate in words – Rupees one thousand one hundred				
-2 of A-III	eighty one only.				
36 -4 of A-IV	Supplying, fitting and fixing best quality sink in mosaic in silver grey colour with C.P. waste and other fittings, rubber plug and chain, C.I. heavy brackets with two coats of approved paint a) 600mm x 450mm x 200mm. Rate in words - Rupees nine hundred one only	16.00Nos.	901.00	Each	14,416.00
7	i) Supplying P.V.C. water storage tank of approved	4.00Nos.	12437.00	Each	49,748.00
	quality with closed top with lid (Black) - Multilayer				15,740.00
-6 of A-III -10 of A-III					
-13 of A-III	hundred thirty seven only ii) Labour for hoisting plastic water storage tank above 1500 litre upto 5000 litre capacity on 4th floor.	4.00Nos.	520.00	Each	2,080.00
	Rate in words - Rupees five hundred twenty only				ALC FIRE
	iii) Labour for punching hole in plastic water storage tank up to 50 mm dia. Rate in words – Rupees nineteen only	10.00Nos.	19.00	Each	190.00
8 23 of B-II	Supply of UPVC pipes (B-Type) & fittings conforming to IS: 13592-1992. a) Single socketed pipe 1.8 mtr length.	85.00Mtr	350.00	Mtr	29,750.00
*	i)110 mm dia Rate in words – Rupees three hundred fifty only				
	b) Double socketed pipe 0.9 mtr length i)110 mm dia Rate in words – Rupees three hundred eighty seven	45.00Mtr	387.00	Mtr	17,415.00
	c) Double socketed pipe 0.6 mtr length i)110 mm dia	20.00Mtr	402.00	Mtr	8,040.00
	Rate in words - Rupees four hundred two only d) Door Y (LU) & (RU) i)110mm dia Rate in words - Rupees three hundred twenty nine	32.00Mtr	329.00	Each	10,528.00
	e) Double 'Y 'with door i)110 mm dia Rate in words – Rupees four hundred eleven only	8.00Mtr	411.00	Each	3,288.00
	f) Door Bend (TS) i)110 mm dia Rate in words - Rupees one hundred seventy six	24,00Mtr	176.00	Each	4,224.00
	only g) Vent Cowl i)110 mm dia	8.00Mtr	39.00	Each	312.00
	Rate in words - Rupees thirty nine only h) Pipe clip i)110 mm dia	120.00Mtr	25.00	Each	3,000.00
	Rate in words - Rupees twenty five only i) W.C. Connector (150mm long) 125 x 110(W/WC Ring): 75 mm Rate in words - Rupees one hundred sixty nine	16.00Mtr	169.00	Each	2,704.00
	j) 125/110 mm 'P' trap with WC ring. Rate in words - Rupees four hundred six only	16.00Mtr	406.00	Each	6,496.00 5,364,732.35



39	Supply, fitting and fixing C.I. square jalli.	35.00Mtr	86.00	Each	3,010.00	
-19 of B-II	a) 100 mm					
-19 OI D-11			W 191	- 4.4		
14902	Rate in words - Rupees eighty six only Labour for fitting and fixing UPVC pipes for above	160.00Mtr	57.00	Mtr.	9,120.00	
10	ground work including cost of jointing materials etc.	100.00141	37.00	9 1 20 1		
300	fitting and fixing all necessary specials, cutting pipes,		5	8018	A 20 2 20 2	
	cutting holes in walls or RC floor where necessary	8 5 2 6	12.	300		
	and mending good all damages excluding the cost of	(1 1000		100	
	masonry or concrete work, if necessary, but including		G, 000	S. 1000		
2.000	the cost and fixing holder bat clamps(any floor) or for					
	underground work including cutting trenches upto					
	1.5mtr and refilling the same complete as per		1. 3.	0.00		
	direction of Enginer-in-charge (Payment will be made on centre line measurement of the total pipe		11	X 1 (2)		
	line including specials.	Late To		ATT N		
I-24 of B-II	a) Above ground		17.	400		
Secretary Control				1.1.		
14.7	i)110 mm dia		100	8 2 2	a sette of	
10000	Rate in words - Rupees fifty seven only	4 1 1 1 1 1 1 1 1		31,64		
41	Supplying, fitting & fixing UPVC pipes A-type and fittings conforming to IS:13592-1992 with all					
	necessary clamps, nails including making holes in		13 17 15	52-1		
I-21 P-173	walls, floor etc. cutting trenches in any soil through		100	. 9		
SOR, Vol-I	masonry concrete structures etc. if necessary and		145			
	mending good damages including joining with jointing materials(Spun Yarn, Valamoid/Bitumen/M-					
	Seal etc.) complete.		A 195		1.5	
1000	A)UPVC Pipes:-					
100	i)75 mm dia	45.00Mtr	216.00	Mtr	9,720.00	
	Rate in words - Rupees two hundred sixteen only				F 2 F 31	
100						
The second	B) UPVC Fittings	100 11		The second		
I-23 of B-II	i)75mm dia plain Tee	4,00Nos.	117.00	Each	468.00	
1				1 2 2 20		
Vol-II	Rate in words - Rupees one hundred seventeen	er all en ell		Const.		
34 - 1	ii) 75mm dia bend 87.50 degree	4.00Nos.	96.00	Each	384.00	
	Rate in words - Rupees ninety six only				6	
	iii) Vent cowl : 75 mm dia	4.00Nos.	30.00	Each	120.00	
1.00	Rate in words - Rupees thirty only	Table 1			Rs. 5,387,554.35	
	Total Say					
- 9	The state of the s	10.5	1100	Say	Rs. 5,387,554.00	

KOLKATA METROPOLITAN DEVELOPMENT AUTHORITY OFFICE OF THE EXECUTIVE ENGINEER, HOUSING SECTOR

Name of the Work :- Estimate for 4-Storied Building Foundation level upto Plinth level only

tem No.	Description of Items	Quantity	Unit	Rate	Unit	Amount
1	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. (a) Depth of excavation not exceeding 1,500 mm. [Pwd schedule/2015, item no-2(a)(b), Page-1]	135.00	Cu.m.	12047.00	%Cu.m.	16,263.50
2	Supplying and laying polythene sheet(150gm/sqm) over damp proof course or below flooring or roof terracing or in foundation or in foundation trenches. [Pwd (Bidg.) schedule/2015, Item no-13, Page-46]	260.00	Sq.m.	25.00	Sq.m.	6,500.00
3	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand. [Pwd (Bldg.) schedule/2015, Item no-1, Page-12]	120.00	Sq.m.	377.00	Sq.m.	45,240.00
4	Cement concrete with graded jhama khoa (30 mm size) excluding shuttering in ground floor and foundation. (a) 1:3:6 proportion [Pwd (Bldg.) schedule/2015, Item no-4(a), Page-12]	10.00	Cu.m.	5803.00	Cu.m.	58,030.00
5	Controlled Cement concrete with well graded stone chips (20 mm nominal size) excluding shuttering and reinforcement with complete design of concrete as per IS: 456 and relevant special publications, submission of job mix formula after preliminary mix design after testing of concrete cubes as per direction of Engineer-in charge. Consumption of cement will not be less than 300 Kg of cement with Super plasticiser per cubic meter of controlled concrete but actual consumption will be determined on the basis of preliminary test and job mix foundula. In ground floor and foundation. [using concrete mixture] (a) M 20 Grade					
	(i) Pakur Variety [Bldg. schedule/2015, Item no-6(b)(i), Page-13 & Rate	45.00	Cu.m.	6873.68	Cu.m.	309,315.60

KOLKATA METROPOLITAN DEVELOPMENT AUTHORITY OFFICE OF THE EXECUTIVE ENGINEER, HOUSING SECTOR

6	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor) (When the height of a particular floor is more than 4 m the equivalent floor height shall be taken as 4 m and extra for works beyond the initial 4 m ht. shall be allowed under 12 (e) for every 4 m or part thereof) (a) Steel shuttering or 9 to 12 mm thick approved quality ply board shuttering in any concrete work [Pwd (Bldg.) schedule/2015, Item no-12(c), Page-27]	145.00	Sq.m.	403.00	Sq.m.	58,435.00
7	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction.					
	(a) For works in foundation, basement and upto roof of ground floor / upto 4m (i) Tor steel/Mild Steel (i). SAIL/ TATA/RINL [Pwd (Bidg.) schedule/2014, Item no-15(a)(i)(i), Page-	4.20	М.Т.	61936.00	M.T.	260,131.20
8	28 as per 6th Corrigenda] Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150 mm. including watering and ramming etc. layer by layer complete. (Payment to be made on the basis of measurement of finished quantity of work) (a) With earth obtained from excavation of foundation. [Pwd (Bidg.) schedule/2015, Item no-3(a), Page-1]	35.00	Cu.m.	7831.00	% Cu.m.	2,740.90
9	(A) Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity) [Pwd (Bldg.) schedule/2015, Item no-13, Page-10]	40.00	Cu.m.	98524.00	%Cu.m.	39,409.60

Total 796,065.70 Say Rs.796,066.00