

# MADHYAMGRAM MUNICIPALITY

Detailed Project Report for Construction of 1510 EWS Houses under

BLC mode of Pradhan Mantri Awas Yojana (PMAY)-HFA (U) for

Madhyamgram Municipality 2016-17



Submitted by

**Madhyamgram Municipality**

**Dist: North 24 Parganas, West Bengal**

**September, 2016**

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*MED, GoWB*

*PMAY(Housing for All): Madhyamgram Municipality*

## PREFACE

Housing project namely Pradhan Mantri Awas Yojana (PMAY) aims at Providing Housing for All (HFA) by 2022 when the Nation Complete 75 years of its independence.

The urban homeless persons indispensable for the economy specially of the cities as cheap labour; yet they live with no shelter or social insecurity. They are facing many challenges like no access to elementary Public Services such as health, education, food, water and sanitation etc. etc.. Pradhan Mantri Awas Yojana (PMAY) aims to provide a pucca house to every family with water connection, toilet facilities, 24 X 7 electricity supply and access.

The Mission seeks to address the housing requirement of urban poor including slum dwellers through "In Situ" Slum Redevelopment, Affordable Housing through credit linked subsidy, Affordable Housing in partnership and subsidy for beneficiary led individual house. Under the mission, beneficiaries can take advantage under one component only.

Total beneficiaries of the scheme of the Madhyamgram Municipality is 1510 nos from 118 nos slum and 5 nos of Non Slum projected for the year 2016-17.

Total cost of the project is **Rs.6110.12 lakhs** as per relevant department & P.W.D. schedule of rates.

## **HFAPoA and Pradhan Mantri Awas Yojana (Housing for All)**

To give pucca house for every family is currently on the global agenda. One of the Millennium Development Goals (MDGs) is to 'achieve significant improvement in the lives of slum dwellers, by 2022'. Similar goals are set forth by Pradhan Mantri Awas Yojana within year 2022, to create pucca house for every family.

ULB undertake a demand survey through suitable means for assessing the actual demand of housing. While validating demand survey, Cities consider possible temporary migration from rural areas to the city just to take advantage of housing scheme and exclude such migrants from list of beneficiaries. On the basis of demand survey and other available data, cities prepare Housing for All Plan of Action (HFAPoA). HFAPoA contain the demand of housing by eligible beneficiaries in the city along with the interventions selected out of four verticals. The information regarding beneficiaries is collected by ULB in suitable. While preparing HFAPoA, ULB and Implementing Agencies also consider the affordable housing stock already available in the city as Census data suggests that large number of houses are vacant.

Bank account number and Aadhaar number/Voter ID card/any other unique identification details of intended beneficiaries or a certificate of house ownership from Revenue Authority of beneficiary's native district integrate in the data base of HFAPoA for avoiding duplication of benefit to one individual family. Beneficiaries is validated by ULBs thereby ensuring their eligibility at the time of preparation of the projects and approval of projects.

On the basis of HFAPoA, States/Cities subsequently prepare the Annual Implementation Plans (AIPs) dividing the task upto 2022 in view of the availability of resources and priority. For larger cities, HFAPoA and AIPs is prepared at sub-city (ward/zone etc.) level with the approval of concerned State/UT Government. The result of demand survey, draft HFAPoA and draft AIP is discussed with the local representatives including MLAs and MPs of that area so that their views are adequately factored in while finalising the plans and beneficiary list.

Cities which have already prepared Slum Free City Plan of Action (SFCPoA) or any other housing plan with data on housing, utilise the existing plan and data for preparing "Housing for All Plan of Action" (HFAPoA). Houses constructed under various schemes should be accounted for while preparing HFAPoA.

***The duration of Pradhan Mantri Awas Yojana [PMAY]***

***2015 TO 2022***

***Eligible Components of the PMAY:***

***Allotment of Houses***

Allotment of dwelling units will be in the name of the female member of the . Alternatively, it can be allotted in the name of husband and wife jointly. Ownership of land required for every Beneficiary.

A EWS beneficiary family will comprise husband, wife and unmarried children. The beneficiary family should not own a pucca house (an all weather dwelling unit) either in his/her name or in the name of any member of his/her family in any part of India to be eligible to receive central assistance under the mission.

EWS households are defined as households having an annual income up to Rs.3,00,000 (Rupees Three Lakhs). States/UTs shall have the flexibility to redefine the annual income criteria as per local conditions in consultation with the Centre.

Following infrastructure will be considered for support under PMAY:

1. Water connection
2. Toilet facilities
3. 24 x 7 Electric facilities
4. Roads

### **Materials of construction:**

- PCC (1:3:6) for foundation
- RCC M-20 for substructure & superstructure (Column, Beam, Slab)
- HYSD Steel
- 1<sup>st</sup> Class Brick Masonry
- 1:6 (Cement: Sand) plaster – 10 mm on soffit of beam & slab, 15 mm on internal walls & 20 mm on external walls
- IPS flooring

### **Definition of Slum for Housing**

Different definitions of a slum exist in different statutes and in urban poverty literature. For the purpose of HOUSING SCHEME, it is proposed to adopt the definition given in the 2001 Census, which is as follows:

- a. All areas notified as 'Slum' by State/Local Government and UT Administration under any Act;
- b. All areas recognized as 'Slum' by State/Local Government and UT Administration, which have not been formally notified as slum under any Act;

**'Slum' or 'Slum Area'**– is a compact settlement of at least 20 households ( For NE & Special Category States it is 10-15 households) with a collection of poorly built tenements, mostly of temporary nature, crowded together usually with inadequate sanitary and drinking water facilities in unhygienic conditions.

### **Situation Appraisal**

The people living in the slums mostly have kutcha (10) and semi-pucca (186) housing. In certain cases where pucca housing is available, they are usually in dilapidated condition. The kutcha houses are in very poor condition and require extensive repairs. Most of the houses have tiles on roof. While during the survey some of the houses have been noted to be in average condition, the quality of these houses is also speedily deteriorating.

## Structural Design

- Following are the general considerations in the analysis/design.
- For all structural elements, M20 grade concrete and Fe 415 grade of steel is used.
- Plinth beams passing through columns are provided as tie beams.
- Pedestals are proposed up to ground level.
- Beam Centre-line dimensions are followed for analysis and design.
- For all the building, walls of 250 mm and 125mm thick with 20 mm External plaster and 12 mm thick internal plaster are considered.
- Seismic loads are considered acting in the horizontal direction along either of the two principal directions.

## Design data

- Live load: 2.0 kN/m<sup>2</sup> at typical floor
- 1.5 kN/m<sup>2</sup> on terrace (With Access) : 0.75 kN/m<sup>2</sup> on terrace (without Access)
- Floor finish 50mm (0.05\*24) = : 1.2 kN/m<sup>2</sup>
- Ceiling plaster 12mm (0.012\*20.8) : 0.25 kN/m<sup>2</sup>
- Partition walls (Wherever Necessary) : 1.0 kN/m<sup>2</sup>
- Terrace finish: 1.5 kN/m<sup>2</sup>
- Earthquake load: As per IS-1893 (Part 1) - 2002
- Depth of foundation below ground: ,0.7 m
- Walls: 250 mm thick brick masonry walls at external and 125mm walls internal.

## Reference codes:

- IS 456: 2000 - Code of practice -Plain and Reinforced concrete.
- IS :1893 :2002 - Criteria for Earthquake resistant design of structures(Part-1)
- IS: 13920: 1993 - Ductile detailing of Reinforced concrete structures subjected to seismic forces.
- SP: 34 - Hand Book on Concrete Reinforcement and Detailing.
- S: 875: 1987 - Code of practice for design loads (other than earthquake) for buildings and structures. (Part-2)
- NBC:2005



**Annexure-7C**

**(Para 14.5 of the Guidelines)**

**Format for Project under Beneficiary led Construction or Enhancement**

1	Name of the State	:	WEST BENGAL						
2	Name of the City	:	MADHYAMGRAM						
3	Project Name	:	HOUSING FOR ALL						
4	Project Code	:							
5	State Level Nodal Agency	:	SUDA						
6	Implementing Agency / ULB'	:	MADHYAMGRAM MUNICIPALITY						
7	Date of approval by State Level sanctioning and Monitoring Committee (SLSMC)	:							
8	No. of locations covered in project	:	Name of Location	No. of beneficiary	Whether Slum (Y/n)	if yes, 1 if notified, 2 if recognised and 3 if identified	if slum, whether it gets completely rehabilitated Y/n		
9	Project Cost(in lakhs)(2016-2017)	:	6110.12						
10	No of Beneficiaries covered in the project(2016-2017)	:	Gen	SC	ST	OBC	Total	Minority	Person with Disability
			665	370	25	450	1510	300	NIL
11	Whether beneficiary have been selected as PMAY guideline? (Yes/No)	:	YES						
12	No. of houses constructed / acquired Please specify ownership (any of these)	:	Joint (NIL)	Female	Male	Transgender (NIL)			
13	No. of beneficiaries covered in project	:	Male:1030	Female: 480	Transgender (NIL)				
14	Whether it has been ensured that selected beneficiaries have rightful ownership of the land	:	YES						
	Whether building plan for all houses have bee approved	:	YES						
16	i) GoI grant required (Rs. 1.5 lakh per eligible beneficiary) (Rs in Lakhs)	:	2265.00						
	ii) State grant, if any (Rs. In lakhs)	:	3189.89						
	iii)ULB grant, if any (Rs. In Lakh)	:	277.73						
	iv) Beneficiary Share (Rs in lakhs)	:	377.50						
	Total (Rs.in lakh)	:	6110.12						
17	Whether technical specification/ design for housing have been ensured as per Indian Standards/NBC/ State noms.	:	YES						
18	Whether it has been ensured that balance cost of construction is tied up with State grant, ULB grant & beneficiary share?	:	YES						
19	Whether trunk and line infrastructure is existing or being provisioned	:	YES						
	i) Water Supplu (Yes/ No)	:	YES						
	(ii) Sewerage (Yes / No)	:	NO						
	iii) Road (Yes / No)	:	YES						
	iv) Strom Water Drain (yes/No)	:	YES						
	v) External Electrification (Yes/No)	:	YES						
	vi) Solid Waste Management (Yes/No)	:	YES						
	vii) Any other, specify	:							

	viii) In case, any infurture has not been proposed, reasons thereof.		
20	Whether disaster (earthquake, flood, cyclone landslide etc.) resistance features have been adopted in concept, design and implementation?		YES
21	Whether Demand Survey completed for entire city?		YES
22	Whether city-wide integrated project have been formulated? If not, reasons therof.		YES
23	Whether validation with SECC data for housing conditions conducted?		YES
24	Whether Direct Benefit Transfer (DBT) of fund to individual bank account of beneficiary ensured in the project?		YES
25	Whether there is provision in DPR for tracking/ monitoring the progress of indivitual houses through geo-tagged photographs?		YES
26	Whether any innovation/cost effective/Green technology adopted in the project?		YES
27	Comments of SLAC after techno economic appraisal of DPR.		
28	Brief of project , including any other information ULB/State would like to furnish.		


\*State will give code number to each project sanctioned under HFA as 'ABCDEFGHIJKLM'  
(Where 'AB' is State Code as per census 'CDEFGH' is city code as per census 'IJ' is running number of project of the city and 'K' is project component code i.e. 'k' will be 1-for in-situ- slum redevelopment, 2 -for Relocation 3- for AHP and 4-for Beneficiary led-Construction or enhancement) , 'L' will be N- for New, R- for Red, 'M' will be running number which will be O for new and 1 and so on for revision.

It is hereby confirmed that State /UT/ and ULB have checked all the beneficiaries as per guideline of HFA. It is also submitted that no beneficiary has been selected for more than one benefit under the Mission including Credit Linked Subsidy Scheme (CLSS) component of the Mission.

  
**Signature**  
(Nodal Officer of HFA)  
**Madhyamgram Municipality**  
**Nodal Officer**  
**HFA – PMAY**  
**Madhyamgram Municipality**

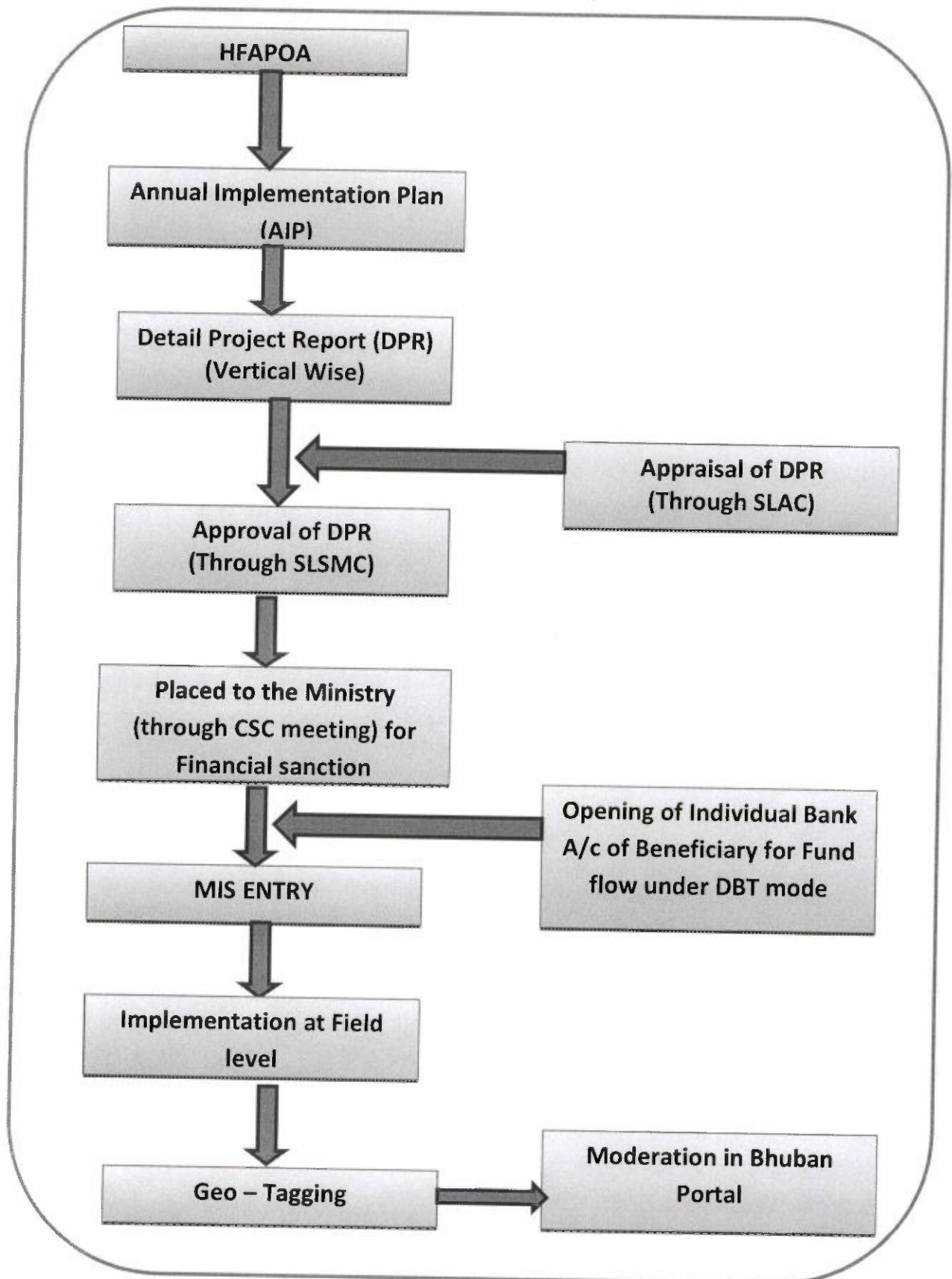


  
**Chief Engineer**  
**M E Directorate**  
**Dept. of Municipal Affairs**  
**Govt. of West Bengal**

  
**Signature**  
**(Chairman/Chairperson)**  
**Madhyamgram Municipality**  
**CHAIRMAN**  
**Madhyamgram Municipality**  
**North 24-Parganas**

Sl. No.	Activity	September			October			November			December			January			February			March			April			May			June			July					
		1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd			
1.0	Preparation of field works & MIS entry																																				
2.0	Construction of Single storied DU including S & P, Elec.																																				
3.0	Geo-tagging of DU																																				
4.0	Infrastructure Works/Understing formalities and implementation for field works																																				

## Work flow of PMAY – HFA (U) for 2016-17



## Executive Summary

### Project Details

1	State	:	West Bengal
2	City	:	Madhyamgram Municipality
3	Project Name	:	Pradhan Mantri Awas Yojana Housing for All (Urban)
4	Project Cost	:	(Rs. In Lacs) 6110.12
5	Central Share	:	(Rs. In Lacs) 2265
6	State Share	:	(Rs. In Lacs) 3189.89
7	ULB Share	:	(Rs. In Lacs) 277.73
8	Beneficiary Share	:	(Rs. In Lacs) 377.5
9	Total Infrastructure cost	:	(Rs. In Lacs) 555.46
10	Percentage of Infrastructure cost of Housing Cost	:	10.00 %
11	Year of Implementation	:	2016-17
12	Component Housing	:	Beneficiary Led Construction (BLC)
13	SOR Adopted	:	PWD (WB) w.e.f 1.7.14 with current corrigendum.

### Project Contributions (Physical + Financial) (Rs. In lacs)

SI No.	Scheme Component	Type	Quantity	Unit	Rate (in Rs./unit)	Proposed project cost (in lakh)	Appraised Project Cost (in lakh)	Central Share (@ Rs. 1.5 Lac/D.U.)	State Govt. Share (@Rs.1.92858 Lac/D.U.)	ULB Share	Beneficiaries Share (@ Rs. 0.25 Lac/D.U.)
<b>A. HOUSING</b>											
1	New in-situ										
	Single storied units		1510	Nos.	367858.00	5554.66	5554.66	2265.00	2912.16	0.00	377.50
	<b>Total Housing Cost Sub Total (A)</b>					<b>5554.66</b>	<b>5554.66</b>	<b>2265.00</b>	<b>2912.16</b>	<b>0.00</b>	<b>377.50</b>

**B. INFRASTRUCTURE**

Sl No.	Scheme Component	Type	Quantity	Unit	Rate (in Rs./unit)	Proposed project cost (in lakh)	Appraised Project Cost (in lakh)	Central Share (in lakh)	State Govt. Share (@ 50%) (in lakh)	ULB Share (@ 50%) (in lakh)	Beneficiaries Share (in lakh)
1	<b>Roads</b>										
i	BT Roads	Bituminous	43223.57	Sqm	612.00	264.53	264.53	0.00	132.26	132.26	0.00
ii	CC Roads	Cement Concrete	10158.53	Sqm	1736.00	176.35	176.35	0.00	88.18	88.18	0.00
2	<b>Community Centre</b>										
i	Community Centre		5	No.	22.92	114.58	114.58	0.00	57.29	57.29	0.00
3	<b>Storm Water Drains</b>										
i	Surface drain	Brick Masonry	0	Mtr	2540.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Infrastructure Cost Sub Total (B)</b>						<b>555.46</b>	<b>555.46</b>	<b>0.00</b>	<b>277.73</b>	<b>277.73</b>	<b>0.00</b>
<b>Grand Total (A+B)</b>						<b>6110.12</b>	<b>6110.12</b>	<b>2265.00</b>	<b>3189.89</b>	<b>277.73</b>	<b>377.50</b>
<b>Ratio of Housing to Infrastructure (A/B)</b>						<b>10.00</b>	<b>10.00</b>				

Signature of the Chairman  
 Name & Designation: **CHAIRMAN**  
 Address: **North 24 Parganas Municipality**  
 Competent

Signature of the **Chief Engineer**  
 Name & Designation: **Chief Engineer**  
 Address: **Competent Technical Officer**  
 Govt. of West Bengal

Fax No: +91-33- 23375474  
 Telephone No.: +91-33-23371331  
 Mobile No.: (0)9475825219  
 E-mail: ce\_medte@yahoo.com

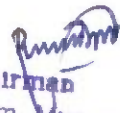
Fax No: +91-33-  
 Telephone No.: +91-33-  
 Mobile No.:  
 E-mail:

## Executive Cost Summary

	Qty.	Units	Rate	Amount	Section
			Rs	Rs Lacs	SubTotal
					Rs Lacs
<b>Housing Blocks</b>					
Single storied units, Sanitary incl.	1510	nos.	367858.00	5554.66	
				0.00	
Community Hall, sanitary, elec. Incl.	5	nos.	2291701.00	114.59	
Market Building	0	nos.	16138875.37	0.00	
<b>(A) Cost of Housing</b>					<b>5669.24</b>
<b>Boundary Wall</b>					
Boundary Wall	0	m	4093.00	0.00	
Gate	0	nos.	65296.00	0.00	
<i>Subtotal</i>					<b>0.00</b>
<b>Road</b>					
6 m wide main circulation	0	m	9347.00	0.00	
4m wide internal roads	0	m	0.00	0.00	
4 m wide internal road	10581.13	m	2500.00	264.528	
2 m wide service circulation	8817.61	m	2000.00	176.352	
1.2m wide building approaches ( Pathway )	0	m	3018.00	0.00	
Courtyards [4.5x3.85 m]	0	nos.	17646.00	0.00	
<i>Subtotal</i>					<b>440.88</b>
<b>Drain</b>					
Sec: 400mm X 400mm	0	m	2000.00	0.00	
Sec: 300mm X 300mm	0	m	3000.00	0.00	
Sec: 300mm X 300mm		m	3000.00	0.00	
Sec: 400mm X 400mm	0	m	4000.00	0.00	
<i>Subtotal</i>					<b>0.00</b>
<b>Sewerage</b>					
Inspection Pit 600X600X 600	0	nos.	6736.00	0.00	
extra for additional depth of 0.15m	0	nos.	1267.00	0.00	
extra for additional depth of 0.3m	0	nos.	2534.00	0.00	
extra for additional depth of 0.45m	0	nos.	3801.00	0.00	
Manhole : 1050 mm X 750 mm	0	nos.	10991.00	0.00	
Master Trap : 900 X 750 mm	0	nos.	16056.00	0.00	
150 dia. SW pipe sewer line complete	0	m	17000.00	0.00	
225 dia. SW pipe sewer line complete	0	m	2268.00	0.00	
300 dia. SW pipe sewer line complete	0	m	2949.00	0.00	
<i>Subtotal</i>					<b>0.00</b>
<b>Water Supply</b>					
Water Pipeline: 150mm dia.	0	m	1483.00	0.00	
Water Pipeline: 100mm dia.	0	m	1100.00	0.00	
Water Pipeline: 150mm dia.	0	m	1483.00	0	
<i>Subtotal</i>					<b>0.00</b>
<b>Power</b>					
630 KVA Transformer	0	nos	2200000.00	0.00	
Service Connection		LS		0.00	
Street Light: on road	0	nos.	37947.00	0.00	
<i>Subtotal</i>					<b>0.00</b>
<b>Solid Waste Management</b>					
Collection Platform	0	nos.	28643.00	0.00	

Garbage bins		0	nos.	2000.00	0.00	
<i>Subtotal</i>						0.00
Others						
Children's Park			LS		0.00	
Swimming Pool			brkup encl.		0.00	
Swimming Club House		0	no.	1786796.00	0.00	
Football Ground [45mX90m]		0	sq m	1.50	0.00	
Football Gallery		0	nos	301754.00	0.00	
<i>Subtotal</i>						0.00
Horticulture						
		0		185.00	0	
<i>Subtotal</i>						0
<b>(B) Cost of Infrastructure</b>						440.88
<b>COST OF PROJECT</b>					6110.12	6110.12



  
 Chairman  
 Madhyamgram Municipality  
 North 24 Parganas



# NADHYAMGRAM MUNICIPALITY

## WORK AND COST SUMMARY - SLUM AND NON SLUM WISE DETAILS PRADHAN MONTRI AWAS YOJANA (PMAY)- HOUSE FOR ALL(HFA)


### HOUSING PHYSICAL INFRASTRUCTURE

#### SLUM WISE DETAILS OF DU AND INFRASTRUCTURE COST OF 2016-17

Slum No.	Name of Slum	Area Sqkm	Population	Dwelling Units		Black Top Roads		Concrete Roads		Community Centre		Total cost of Infrastructure @ 10% of D.U. cost Rs. In Lac		Grand Total (Rs. In lakh)
				(@ Rs. 3.67858 Lakh/ each)		(@ Rs. 612.00/Sq.M)		(@ Rs. 1736.00/Sq.M)		(Rs. 229170/-)		In Lac		
				Qty.	Amt. (in Lakh)	Qty.	Amt. (in Lakh)	Qty.	Amt. (in Lakh)	Qty.	Amt. (in Lakh)			
58	Nadibhag Mollapara	0.1712	565	73	268.54	1543.69	9.45	362.8	6.30	0	0.00	15.75	284.28	
64	Kaiputrapara	0.007	286	67	246.46	1543.69	9.45	362.8	6.30	0	0.00	15.75	262.21	
65	Patuli Main Road	1.426	111	60	220.71	1543.69	9.45	362.8	6.30	0	0.00	15.75	236.46	
53	Saradapally	0.014	625	40	147.14	1543.69	9.45	362.8	6.30	0	0.00	15.75	162.89	
42	Sarderpally	0.156	150	60	220.71	1543.69	9.45	362.8	6.30	0	0.00	15.75	236.46	
49	Singherpukur	0.033	302	40	147.14	1543.69	9.45	362.8	6.30	0	0.00	15.75	236.46	
66	Panchpara	0.012	270	70	257.50	1543.69	9.45	362.8	6.30	1	22.92	38.66	185.81	
68	Banasbagan	0.028	225	57	209.68	1543.69	9.45	362.8	6.30	2	45.83	61.58	319.08	
70	Rabindranagar	0.017	525	45	165.54	1543.69	9.45	362.8	6.30	0	0.00	15.75	225.42	
80	Millanpolly	0.015	310	60	220.71	1543.69	9.45	362.8	6.30	0	0.00	15.75	181.28	
95	Palpara	0.017	103	39	143.46	0.00	0.00	0	0.00	0	0.00	15.75	236.46	
39	Adibasipara	0.0122	230	38	139.79	0.00	0.00	0	0.00	0	0.00	0.00	143.46	
30	Gandhipally Sukantanagar	0.011	440	65	239.11	1543.69	9.45	362.8	6.30	0	0.00	0.00	139.79	
1	Adibasi Sardarpara Kargil	0.03	1020	60	220.71	1543.69	9.45	362.8	6.30	0	0.00	15.75	254.85	
9	Ramkrishna Pally	0.035	450	60	220.71	0.00	0.00	0	0.00	0	0.00	15.75	236.46	
19	Vivekanandanagar	0.024	170	45	165.54	0.00	0.00	0	0.00	1	22.92	22.92	243.63	
12	Krishnapally	0.0563	175	40	147.14	1543.69	9.45	362.8	6.30	0	0.00	0.00	165.54	
22	Vivekanandanagar	0.034	450	63	231.75	1543.69	9.45	362.8	6.30	0	0.00	15.75	162.89	
28	Rani Road	0.0073	325	37	136.11	0.00	0.00	0	0.00	0	0.00	15.75	247.50	
117	Sreepur Patrapara	0.0007	185	40	147.14	1543.69	9.45	362.8	6.30	0	0.00	0.00	136.11	
114	Bireshpally North	0.006	170	53	194.96	0.00	0.00	0	0.00	0	0.00	15.75	162.89	
												0.00	194.96	

37	Debigath North	0.083	47	40	147.14	1543.69	9.45	362.8	6.30	0	0.00	15.75	162.89
111	Dakshin Bireshpally	0.003	190	60	220.71	1543.69	9.45	362.8	6.30	1	22.92	38.66	259.38
103	Banasagan East & West	0.006	380	58	213.36	0.00	0.00	0	0.00	0	0.00	0.00	213.36
84	Khudiram Pally	0.12	250	60	220.71	1543.69	9.45	362.8	6.30	0	0.00	15.75	236.46
88	Ganganagar 2 No. Colony	0.015	498	30	110.36	0.00	0.00	0	0.00	0	0.00	0.00	110.36
96	Ghoshpara Sahara	0.014	375	40	147.14	1543.69	9.45	362.8	6.30	0	0.00	15.75	162.89
92	Green Park	0.0006	330	20	73.57	0.00	0.00	0	0.00	0	0.00	0.00	73.57
	Slum Total	2.35	9157	1420.00	5223.58	29330.11	179.50	6893.20	119.666	5.00	114.59	413.75	5637.33
W8	Sreenagar 1 No.	0.0008	85	20	73.57	0.00	0.00	0	0.00	0	0.00	0.00	73.57
W10	South Bankim Pally	0.0002	70	0	0.00	1543.69	9.45	362.8	6.30	0	0.00	15.75	15.75
W11	Basu Nagar	0.0004	50	0	0.00	1543.69	9.45	362.8	6.30	0	0.00	15.75	15.75
W12	Peyara Bagan	0.005	62	20	73.57	1543.69	9.45	362.8	6.30	0	0.00	15.75	89.32
W15	Uttarpara	0.006	20	0	0.00	1543.69	9.45	362.8	6.30	0	0.00	15.75	15.75
W16	West Chandigarh	0.0007	100	0	0.00	1543.69	9.45	362.8	6.30	0	0.00	15.75	15.75
W19	Deshbandhu Road	0.0008	200	0	0.00	1543.69	9.45	362.8	6.30	0	0.00	15.75	15.75
W21	Bireshpally (N)	0.0009	250	0	0.00	1543.69	9.45	362.8	6.30	0	0.00	15.75	15.75
W24	Bidhan pally	0.0002	64	0	0.00	1543.69	9.45	362.8	6.30	0	0.00	15.75	15.75
W26	Ghosh Para	0.0001	24	0	0.00	1543.69	9.45	362.8	6.30	0	0.00	15.75	15.75
W27	Sahara Ghoshpara	0.0008	90	25	91.96	0.00	0.00	0	0.00	0	0.00	0.00	91.96
W28	Michael Nagar	0.015	150	25	91.96	0.00	0.00	0	0.00	0	0.00	0.00	91.96
Non Slum Total		0.03	1080.00	90.00	331.07	13893.21	85.03	3265.20	56.68	0.00	0.00	141.71	472.78
Grand Total		2.38	10237.00	1510.00	5554.66	43223.32	264.53	10158.40	176.35	5.00	114.59	555.4616	6110.12



  
**Chairman**  
 Madhyamgram Municipality  
 North 24 Pgs.

**DETAILED ESTIMATE FOR THE CONSTRUCTION OF SINGLE UNIT DWELLING HOUSE**

**Pradhan Mantri Awas Yojana Housing For All (Urban)**

Total Covered Area- 32.58 sq.m (With Electrical Works)

Reference of Schedule of Rates : PWD (W.B.), Schedule of Rates Building & Sanitary w.e.f-01.07.2014 & Corrigenda

Floor Area 25.77 sqm

SL No.	Description of Works	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1	Earthwork in excavation in 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 including trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water etc. as required complete. a) Depth of excavation not exceeding 1500mm . <b>SOR, PWD, P-1, I -2 a</b>	13.000	%cu.m.	12047.00	1566.11
2	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. <b>SOR, PWD, P-1, T/3 a</b>	11.120	%cu.m.	7831.00	870.81
3	Supplying Laying Polithin Sheets etc. <b>SOR, PWD, P-45, T - 13</b>	22.000	sqm	25.00	550.00

4	Cement concrete with graded Stone ballast (40 mm.) excluding shuttering.a) In ground floor and foundation.6 : 3 : 1 proportion Pakur variety <b>SOR, PWD, Page 24 : Item -10 a</b>	3.500	cu.m.	5823.00	20380.50
5	25 mm. thick damp proof with cement concrete (4:2:1) (with graded stone aggregate 10 mm. Normal size) and painting the top surface with a coat of bitumen using 1.7 kg. per sq.m. including heating the bitumen and cost and carriage of all materials complete. <b>SOR, PWD, P-45, T-12</b>	6.810	sqm,	297.00	2022.57
6	Brick work with 1st class bricks in cement mortar (6:1) a) In foundation and plinth. b) In super structure <b>SOR, PWD, P-29, T -22(a), (b)</b>	10.430 15.240	cum cum	5719.00 5943.00	59649.17 90571.32
7	125mm thick brick work with 1st. class bricks in cement mortar (4:1). a) In ground floor <b>SOR, PWD, P-73, I -29</b>	23.220	sq.m.	783.00	18181.26
8	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes. (i) Pakur Variety <b>SOR, PWD, P-14, T -7(i)</b>	3.940	cu.m.	6851.66	26995.54

9	<p>Reinforcements for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc. including supply of rods, 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 16G black annealed wire at every inter-section, complete as per drawing and direction.</p> <p>(a) For works in foundation, basement and upto roof of ground floor / upto 4m. (i) For steel/Mild steel. <b>SOR, PWD, P-27, T -15(i)</b></p>	0.309	MT	60705.93	18775.74
10	<p>Hire and labour charges for shuttering with centreing 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, 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 ht. 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.) <b>SOR, PWD, P-66, T -12(a)</b></p> <p>25 mm. to 30 mm. thick wooden shuttering as per decision &amp; direction of Engineer-in-charge. Ground Floor</p>	37.063	M <sup>2</sup>	360.00	13342.68

11	<p>Plaster ( to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface, including throating, nosing and drip course where necessary . In ground floor.  A) With 6:1 cement mortar.  a) Inside wall 20 mm thick plaster  <b>SOR, PWD, P-151, T -2 (i)(b)</b>  b) Out side Wall, 15mm th.  <b>SOR, PWD, P-151, I -2 (i)(c)</b>  B)10mm th ceiling plaster (4:1)  <b>SOR, PWD, P-151, I -2 (i)(c)</b></p>	116.940	sq.m.	181.00	21166.14
12	<p>Neat cement punning about 1.5mm thick in wall, dado, window, sills, floor, drain etc.  <b>SOR. PWD. P-152. I -8</b></p>	26.700	sq.m.	38.00	1014.60
13	<p>Artificial stone in floor,dado, staircase etc. with cement concrete (4:2:1) with stone chips laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (2:1) including smooth finishing and rounding off corners and including application of cement slurry before flooring works, using cement @ 1.75 kg./sq.m. all complete including all materials and labour.  In ground floor.  3 mm. thick topping (High polishing grinding on this item is not permitted) with ordinary cement.  20mm thick</p>	26.490	sq.m.	265.00	7019.85

14	Supplying, fitting & fixing MS clamp for fixing door and window frame made of flat bent bar, end bifurcated, fixed in cement concrete with stone chips (4:2:1) a fitted and fixed complete as per direction. 40mm x 6mm x 125 mm length. (Cost of cement concrete will be paid separately) <b>SOR, PWD, P-90, I -18 (c)</b>	34	each	22.00	748.00
15	Wood work in door and window frame fitted and fixed complete including a protective coat of painting at the contact surface of the frame other Local wood <b>SOR. PWD. P-85. T -1(j)</b>	0.213	cu.m.	46171.00	9834.42
16	Panel Shutter of door & Window (each Panel Consisting Of single Plan without Join) 25 mm thick shutter with 12 mm thick Panel of size 30 to 45 cm. Other Local wood <b>SOR, PWD, P-105, I -84 (iv)c</b>	8.520	sq.m.	1567.00	13350.84
17	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark. a) 75mm x 47mm x 1.70mm <b>SOR. PWD. P-91. T -20(iv)</b>	32.000	each	34.00	1088.00
18	Iron Socket Bolt of approved quality fitted and fixed complete. i) 150 mm long x 10 mm dia <b>SOR. PWD P-93. I-25.c</b>	11.000	each	71.00	781.00
19	White washing including cleaning and smoothening surface thoroughly (5 parts of stone lime and 1 part of shell lime should be used in the finishing coat). Two Coats <b>SOR, PWD, P-155, I -3 (b)</b>	124.960	%sq.m.	1887.00	2358.00

20	Colour washing with ella with a coat of white wash priming including cleaning and smoothing surface thoroughly external surface One Coat <b>SOR, PWD, P-155, I - 4(ii)(a)</b>	100.560	%sq.m.	1514.00	1522.48
21	Priming one coat on timber, plastered or on steel or other metal surface with synthetic enamel/oil bound primer of approved quality including smoothing surfaces by sand papering etc. 1) On timber surface <b>SOR, PWD, P - 162, I - 7(a)</b> 2) On Steel Surface <b>SOR, PWD, P - 162, I - 7(b)</b>	21.690 2.700	sq.m. sq.m.	41.00 31.00	889.29 83.70
22	Painting with best quality synthetic enamel paint of approved make and brand including smoothing surface by sand papering etc. including using of approved putty etc. on the surface, if necessary : With super gloss (hi-gloss)-With any shade except white. a) On timber or plastered surface Two Coats b) On Steel surface Two Coats <b>SOR, PWD, P - 162, - 8A(aii),(bii)</b>	21.690 2.700	sq.m. sq.m.	89.00 86.00	1930.41 232.20
23	Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16 mm diad with center bolt and round fitting. 300 mm long <b>SOR, PWD, P-93, I - 27c</b>	2.000	each	193.00	386.00



24	Precast pierced concrete jally work as per design and manufacturer's specification including moulding etc. with stone chips and necessary reinforcement shuttering complete including fitting, fixing in position in all floors. (a) 37.5 mm th. panels Cement & steel required for this item <b>will not be</b> issued by deptt. <b>SOR PWD P-22 I-28 (b)</b>	1.690	sq.m.	351.00	593.19
25	Supplying, fitting and fixing UPVC down pipes A type and fittings conforming to IS 13592-1992 with necessary clamps nails including making holes in walls, etc. and cutting trenches in any soil, through masonry concrete structure etc. if necessary and mending good damages including jointing with jointing materials ( Spun yarn, valamoid / bitumen / M. seal etc.) complete. <b>P-173, I-21 A (ii), C(ii), D(ii)</b> <b>SOR, PWD, P173, I - 21 A (ii), C(ii), D(ii)</b> i) UPVC Pipe 110 mm dia ii) UPVC Bend 87.5 degree 110 mm dia iii) UPVC Shoe 110 mm	3.000 2.000 1.000	Mtr. each each	291.00 162.00 128.00	873.00 324.00 128.00
26	M.S.or W.I. Ornamental grill of approved design joints continuously welded with M.S, W.I. Flats and bars of windows, railing etc. fitted and fixed with necessary screws and lugs in ground floor. Grill weighing 10 kg/sq m to 16 kg/m2 <b>SOR, PWD, P - 76, I - 10 (i)</b> <b>(2.70sqm @ 10.5kg per sqm = 28.35 kg)</b>	0.284	Qntl	8247.00	2342.15
27	Shallow water closet Indian pattern (I.P.W.C.) of approved make in white vitreous chinaware supplied, fitted and fixed in position (excluding cost of concrete for fixing). 450 mm long <b>SOR PWD (Sanitary) P - 65 I - 1 (iii)</b>	1.000	each	1062.00	1062.00

28	Foot rest for water closet of size 275 mm X 125 mm with Artificial stone(4:2:1) with 6 mm stone chips and chequered including adding colour as necessary. <b>SOR. PWD. (Sanitary) P - 66. I - 9</b>	1.000	Pair	70.00	70.00
29	Supplying, fitting and fixing cast iron 'P' or 'S' trap conforming to I.S. 3989 / 1970 and 1729 / 1964 including lead caulked joints and painting two coats to the exposed surface. S Trap 100 mm <b>SOR. PWD. (Sanitary) P - 54. I - 14 (B-iii)</b>	1.000	each	923.00	923.00
30	Supplying, fitting fixing CI Round Gratings 150mm dia <b>SOR. PWD. (Sanitary) P - 55. I - 18(ii)</b>	1.000	Each	100.00	100.00



	<p>Construction of 2 circular leach pit of inside diameter 1000 mm. &amp; a depth of 1000 mm. With a layer of 250 mm. Thick brick work with cement mortar (6:1) &amp; honeycombed brick wall (4:1) at every alternate layer upto a height of 925 mm. From bottom and then 125 mm. thick brick wall (4:1) for a height of 300 mm. and covered with 75mm. RCC slab (4:2:1) with 8mm tor steel @ 150 mm. centre to centre both ways including plastering and neat cement punning on top of the slab and making hooking arrangement on slab for lifting of the slab if require as well as jointing the connection with the inspection pit (450 x 450) covered with 50mm thick RCC slab (4:2:1) with stone chips and necessary reinforcement and connected with 100 mm dia PVC pipe laid over rammed earth and then covered the pipe properly with powder earth including supplying fitting fixing fibre glass pan P-tap &amp; polythene pipe as per requirement to connect with the inspection pit complete with all respect as per direction of EIC.(ANNEXURE-II)</p>	1	Item	7544.00	7544.00
32	<p>Construction of 2 nos Leach Pit as per Drawing &amp; direction with necessary connection with UPVC pipe , specials , from WC outlet to leach pits complete in all respect.</p>	1 item	L.S.	#REF!	0.00
<b>TOTAL AMOUNT</b>					
Say					<b>350000.36</b>
<b>Add for Electrical Works (ANNEXURE-I)</b>					<b>350000.00</b>
<b>TOTAL AMOUNT</b>					<b>17858.00</b>
					<b>367858.00</b>

(Rupees Three lakh Sixty seven thousand Eight hundred & Fifty eight only)

*[Signature]*  
 Assistant Engineer  
 Madhyamgram Municipality  
 North 24 Parganas

*[Signature]*

Chief Engineer  
 M E Directorate  
 Deptt. of Municipal Affairs  
 Govt. of West Bengal

*[Signature]*  
 Chairman  
 Madhyamgram Municipality  
 North 24-Parganas

**ESTIMATE FOR ELECTRICAL WORKS FOR ONE DWELLING UNIT UNDER RAY**

**(ANNEXURE-I)**

Sl.No.	SOR	Item of works	Unit	Rate	Quantity	Amount
1	PWD/Vol-I (Aug 2008) A/1(b)/E-9	Supplying & fitting polythene pipe complete with fittings as necessary. Under celing /beam/bound with 22SWG GI wire inclusive S & Drawing 1x18 SWG GI wire as fish wire inside the pipe & fittings and providing 55 mm dia disc of MS sheet (20SWG) having colour paint at one face first ended at the load point end of the polythene pipe with fish wire (synchronizing with roof/beam casting work of building construction) 19 mm dia 3 mm thick polythene pipe	RM	39.00	25.00	975.00

2	PWD/Vol-I (Aug 2008) A/1(m)/E- 17	Powerct wiring supplying and drawing 1 ; 1KV grade single core stranded FR PVC insulated & unseathed single core stranded Copper wire (Finolex make) 2 x 2.5 sqmm (PH & N) +1x1.5 sqmm (ECC) per laid polythene pipe and by the prelaid GI fish wire & making necessary connections as required.	RM	76.00	50.00	3800.00

3	PWD/Vol-I (Aug 2008) A/1/2 (a- i)/E- 17	<p>Concealed Distribution wiring in in 2x1.5 sqmm single core standard *FR* insulated and unseathed cop per wire Finolex make &amp; 1x1.5 sq mm single core stranded PVC cinsulated and unseathed cop per (Finolex make) wire used as ECC in 19 mm bore 3 mm thk. polyythene pipe complete with all accessries embedded in wall smooth run to light / fan/call bell point with pino key type switchb (6 Amps) (Anchor make) fixed on sheet metal (16 SWG) Switch Board with bakelite/ perspex (wall maching colour) Top cover (3 mm thick) flushed in wall including mending all good damages to original finish Average per point 6.00 mt.</p>	points	828.00	10.00	8280.00

4	PWD/Vol-I (Aug 2008) A/4 (a- i)/E- 18	Deistribution concealed wiring with 2x1.5 sq mm (PH & N ) single core stranded FR PVC insulated & unsheathed single core stranded 1.1 KV grade Copper Wire (finolex) & 1x1.5 sq mm (ECC) single core stranded (PH & N ) 1.1 KV grade cu wire (finolex) & 1 x 1.5 sq mm single core stranded PVC insulted & unsheathed cu wire (finolex) used as ECC in 19 mm bore, 3 mm thick polythene pipe complete with all accessories embedded in wall 250 volt 5 amp 3 pin plug point including S & F 250 Volt 5 amp 3 pin flush type plug socket & piano key type swich (Anchor make) on existing switch board as mentioned sl. no.3	points	76.00	2.00	152.00

5	PWD/Vol-I (Aug 2008) E-17, A 1-e	Supplying & drawing 1.1 KV grade single core stranded FR PVC insulated & unseathed single core stranded cu Wire 3x2.5 sq mm (finolex make) in the prelaid polythene pipe & by the prelaid GI fishwire & making necessary connection as required (CESC supply to consumer DP near to CESC & inside the room another DP near CESC & inside the room another DP of dwelling units)	RM	86.00	15.00	1290.00
SLNo.	SOR	Item of works	Unit	Rate	Quantity	Amount
6	KMC 2008- 09)A/(1/e) p/(h)	Supplying Delivery & instalation on wall of 30/32 amp DP MCBof Havel's make with enclosed box along with all its necessary I connection complete.(Anchor)	nos	808.00	2	1616.00



7	PWD/Vol-I (Aug 2008) 2(a) G-1	Earthing in soft soil with 50 mm dia GI pipe (TATA make Medium ) 3.64 mm th. X 3.04 Mtr long and 1 x 4 SWG GI ( hot dip) wire (4 m long) 13 mmdia x 80 mm long GI bolts, double nuts, double washer including S & F 15 mm dia GI protection (1 mtr long) to be filled with bitumen partlyunder the ground level & partly above GL driven to an average depth of 3.65 m below the GL & restoring surface duly rammed.	each	1715.00	1	1715.00

8	PWD/Vol-I (Aug 2008) 5(a-iv) G-3	Connecting the equipment to earth BUSbar inclusive S&F 10 SWG (Hot Dip) GI wire on wall /floor with a staples buried inside wall /floor as required & making connection to equipments with bolt, nut, washer, cable lugs etc. as required & mending good damages.	M	6.00	5	30.00
				TOTAL		17858.00
Rupees Thirteen Thousand Eight Hundred Seventy Eight Only						17858.00

*Nepal* →

Assistant Engineer  
Madhyamgram Municipality  
North 24 Parganas



Chairman  
Madhyamgram Municipality  
North 24 Parganas

	C/L of main outer wall				125 mm Partitionwall		Varandah C/L
	4.65				3.375		1.275
	0.8				1.15		0.9
	1.15				1.15	2.3	2.175
	3.45				2.187		
	1.15				1.9		
	1.7				1.387	5.474	
	3.375				11.149		
	1.275						
	2.825						
	3.125						
	23.5						
	X wall	1.25					
Sl.no.							
1	Earth workin excavation						
	250 mm wall						
	1	23.5	0.75	0.7			12.34
		0.875	0.75	0.7			0.46
		24.375					12.8
	125 mm Wall						
		2.625		0.4	0.225		0.24
	WC	0.4	0.4		0.225		0.04
	Bath	0.65	0.4		0.225		0.06
	5.474		0.75		0.225		
		4.724	0.4		0.225		0.43
	Varanda	1.425	0.4		0.225		0.13
							0.88
	Step		0.5	0.9	0.075		0.034
							13.715
2	Soling						
		24.375	0.75				18.281
		11.45	0.4				4.58
							22.861
3	Polythene sheet						
		2.575	3.125				8.047
		2.875	2.625				7.547
		2	1.65				3.3
	passage	0.625	2.375				1.484
	Bath&WC	2.7	0.9				2.43
	Varndah	1.025	0.6				0.615
	step	0.9	0.5				0.45
							23.873
4	Jhama concrete						

			18.28	0.075	1.371				
			4.58	0.075	0.344				
			23.93	0.075	1.795				
					3.51				
5	Earth work in filling 1/5 excavation								
			13.715	5	2.743				
			23.48	0.375	8.805				
					11.548				
6	B.W (6:1) in Foundation of plinth								
		23.5	0.625	14.6875					
		23.5	0.5	11.75					
		23.5	0.375	8.8125					
				35.25	0.15	5.288			
		23.5	0.25		0.525	3.084			
	X wall	0.938	0.625	0.586					
		1	0.5	0.5					
		1.063	0.375	0.399					
				1.485	0.15	0.223			
		1.125	0.25		0.525	0.148			
	125mm	3.125	0.25		0.525	0.41			
	Bath&WC	2	0.9	0.25	0.523	0.235			
	Kit	5.224	0.25		0.525	0.686			
	Vard	1.925	0.25		0.525	0.253			
	Steps		0.5	0.9	0.15	0.068			
			0.25	0.9	0.15	0.034			
						10.427			
7	DPC	23.5							
		1.125							
		24.625		0.25		6.156			
		3.125							
		1.8							
		5.224							
		10.149		0.125		1.269			
						7.425			
	Less		0.9	0.25	0.225				
			0.9	0.125	0.113				
	3		0.75	0.125	0.281				
						0.619			
						6.806	sqm		
8	BW in super structure (6:1)								
		23.5							
		1.125							
		24.625	2.75	0.25	16.93				
	Parapet	23.8	0.075	0.25	0.446				
						17.376			

	Less opens							
	1	0.9	2.1	1.89				
	4	0.9	0.9	3.24				
	1	0.75	0.9	0.675				
	3	0.75	0.75	1.688				
				7.493	0.25	1.873		
	Lintel							
	1	1.525	1.525					
	4	1.2	4.8					
	1	1.05	1.05					
			7.375	0.25	0.1	0.184		
	Wo2							
	1	3.05	3.05	0.25	0.1	0.076		
					(-)	2.134		
	Net brick work							
							15.24	
9	125 th. Brick work (6:1)							
	room		3.125	2.6	8.125			
	kit		2.125	2.75	5.844			
			1.65	2.75	4.5375			
			1.45	2.65	3.8425			
	2		0.9	2.1	3.78			
	Less opening					26.12875		
	1	0.9	0.9					
	3	0.75	2.25					
			3.15	2.1	6.615			
	Lintel							
	1	1.3	1.3					
	1	1.025	1.025					
			2.325	0.1	0.2325			
					6.8475			
	Parapet					19.28125		
	23.5			0.15		3.525		
	passeege	0.75		0.55		22.806		
						0.4125		
						23.219	sqm	
10	Conc M-20							
	Roof slab							
	32.15	1.1475	31.003		0.1	3.1		
	Beam		3.625	0.25	0.15	0.136		
			2.575	0.25		0.1064		
	Lintel							
	D1	1	1.525	1.525			3.301	
	W1	4	1.2	4.8				
	W2	1	1.05	1.05				
	WO2	1	3.05	3.05				
				10.425	0.25	0.1	0.261	

	D1		1	1.39		1.39						
	D2		1	1.025		1.025						
	D2		2		1.4	2.8						
	O2		1	0.875		0.875						
	D2		2			6.09		0.125		0.1		0.076
	Chaja											
	W1		4	1.2		4.8						
	W2		1	1.03		1.03						
	D1		1	1.275		1.275						
	W02		1	3.05		3.05						
						10.155		0.3		0.075		0.228
												3.866
11	Reinforcement											
			3.866		0.80%	1		7850		0.243		MT
12	Shuttering											
	31		23.5		1.125							
					24.63		0.25					
	31					6.156		24.844				
	Side beam		2	3.125		0.15		0.9375				
			2	2.325		0.1		0.465				
	side slab		1	25.3		0.1		2.53				
	Lintel		1		0.9	0.25		0.225				
			1	1.525		0.1		0.153				
			1	1.275		0.35		0.446				
			1	0.3		0.05		0.015				
	4W1		4	0.9		0.25		0.9		29.615		sqm
			4	1.2			0.1	0.48				
			4	1.2		0.35		1.68				
		2	4	0.3		0.05		0.12				
	1W2		1	0.75		0.25		0.188				
			1	1.05			0.1	0.105				
			1	1.05		0.35		0.368				
		2	1	0.3		0.05		0.03				
	WO2		3	0.75		0.25		0.563				
		1	1	3.05			0.1	0.305				
			1	3.05		0.35		1.068				
		2	1	0.3		0.05		0.03				
	Lintel 125 Wall											
	D1		1	0.9		0.125		0.113				
			2	1.3		0.1		0.26				
	D2		2	0.75		0.125		0.188				
		2	2	1.15		0.1		0.46				
	D2		2	0.75		0.125		0.188				
			2	1.9		0.1		0.38				
										7.423		
										37.038		sqm

13	Plaster (6:1)								
	Out side 15 mmth.								
			2.85	1.125	0.45				
		25.3			4.425	111.953	sqm		
	Inside 20 mm th.								
		2 2.7	3.125	2.75	32.038				
		2 2.875	2.625	2.75	30.25				
		2 2	1.65	2.75	20.075				
		2 2.075		2.75	11.413				
	Above lintel								
		1 0.75		0.65	0.488				
	Bath								
		2 0.9		2.75	4.95				
	WC								
		1 2.95		2.75	8.113				
		1 2.25		2.75	6.188				
		4 2.2		0.9	7.92				
	T. 125 wall								
		2 0.9		0.125	0.225				
	Open out side less					121.658			
		3 0.75		2.1	4.725				
					(-)	4.725			
	Celling Plaster					116.933	sqm		
	Less				24.47				
					1.14				
						23.33	Sqm		
14	Neat cement punning								
	Out side	Plinth							
		25.3	0.45			11.385	Sqm	11.385	
	Inside								
		2 2.7	3.125						
		2 2.875	2.625	0.1	1.165		Sqm		
		2 2	1.65	0.1	1.1		Sqm		
	Kithen								
		2 1.65	3.65	0.45	3.285		Sqm		
		1 1.65	1.65	0.45	0.743		Sqm		
		2 2.075	2.075	0.1	0.415		Sqm		
	Varanda		1.775	0.1	0.178		Sqm		
	step WC	1	3	0.45	1.35		Sqm		
	Bath		3.5	2	7		Sqm		
			0.75	0.1	0.075		Sqm		
	In side punning								
	Total					15.31	15.31		
							26.695	Sqm	
15	Art. Stone flooring								
	Floor area					25.37	sqm		

	Step		2 0.9	0.25					
	W1		4 0.9	0.1		0.45			
	W2		1 0.75	0.1		0.36			
	W3		3 0.75	0.1		0.075			
						0.225			
16	Ms Clamp for door & window						26.48	Sqm	
	D1+D2		4	6					
	W1+W2		5	2		24			
						10			
17	Wood work in Door & window frame						34	nos.	
	D1		2 5.1	10.2					
	D2		2 4.95	9.9					
	W1		4 3.6	14.4					
	W2		1 3.3	3.3					
				37.8	0.075	0.075	0.213		
18	Z batten shutter								
	D1		2 0.775	2.025					
	D2		2 0.625	2.025		3.139			
	W1		4 0.775	0.775		2.531			
	W2		1 0.775	0.625		2.403			
						0.484			
19	Iron Butt Hinges						8.557	sqm	
	D1+D2								
	W1		4	4		12			
	W2		1	4		16			
						4			
							32	nos.	
20	Iron socket bolt								
	Door			6					
	Window			5					
								11 nos.	
21	White wash								
	Inside+Ceiling Plaster- inside punning								
			116.933	23.33	15.31		125	sqm	
22	Colour wash								
	Out side Plaster- out side punning								
			111.953	11.385			100.6	sqm	
23	Priming on timber surface								
	2		2 0.9	2.1		7.56			
	2		2 0.75	2.1		6.3			
	4		2 0.9	0.9		6.48			
	1		2 0.75	0.9		1.35			
							21.69	sqm	
24	Painting best quality on wooden surface								
	same sl.no. 23								
							21.69	sqm	



25	MS ornamental gril....10Kg-16 Kg							
	W1	4	0.75	0.75	2.25			
	W2	1	0.75		0.6	0.45		
					2.7			
					@12Kg/sqm		32.4	Kg
26	Priming on Steel sutface						2.7	sqm
27	Painting best quality on steel surface						2.7	sqm
	same sl.no. 24							
28	R.C.C. Shelf							
		1.75	0.5				0.875	sqm
29	Roof treatment with cow dang							
							32.18	
	Deduct	1.14	(varanda)	1.14				
	Cornice	25	0.125	3.125				
				27.915			27.92	sqm

# ESTIMATE FOR CONSTRUCTION OF BITUMINOUS ROAD PER SQ-MTR

All rates are taken from P.W.D. Schedule Roads Deptt: 2014 Effective from 1st June 2014.

## Consider 100.0m x 3.0m Bituminous Road

Sl. No	Description						UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
	Details	No	L	B	H	Qty.				
1	Page-238, Item-13.16(a) Box cutting or filling in Road embankment in all sorts of soil including spreading the spoils properly over the flank as necessary or on berm to approximate grade & camber and rolling the sub-grade with power roller to proper camber and grade as per direction and satisfaction of Engineer-in-charge including uprooting and removing plants and jungles when and where necessary.						Sqm	100.00	14.40	1,440.00
	For BT road	1.0	100.000			100.00				
					Total-	100.00				
2	Page-244, Item-4.09, (i) Construction of Sub Base using Local Materials, spreading in uniform layers with Motor grader on prepared surface, including screening the metal as necessary, mixing by mix in place method with Rotavator at OMC, and compacting with vibratory roller to achieve the desired density, lighting, guarding and barricading including cost and carriage of all materials and making necessary earthen bundh of one metre wide on each side to protect the edges complete as per Clasuse 401 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). (i) For Construction of Sub Base by compacting 1st class brick aggregates (40 mm down) and sand (in proportion of 60:40)						Cum	10.00	1,782.15	17,821.50
	For BT road	1.0	100.000	1.000	0.100	10.00				
					Total-	10.00				
3	Page-244, Item-4.10, (i) Water Bound Macadam Sub Base by consolidating Jhama metal / Laterite chelly or stone metal / shingles of specific size in hard crust to requisite thickness (measured after compaction) in layers including screening of matalas etc. as necessary, hand packing, sweeping, watering and rolling in stages with power roller to proper line, grade and camber, lighting, guarding & barricading and making necessary earthen bundh of one metre width on each side where necessary to protect edges and preparing the bed by necessary cutting or filling and folling all complete including tge cost of all materials and hire and labour charges of all men and machineries and compacting to the required density, as per Clause 404 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). (i) For Construction of Sub Base by consolidating Jhama metal (63 mm to 45 mm)						Cum	7.50	1,798.58	13,489.35
	For BT road	1.0	100.000	1.000	0.075	7.50				
					Total-	7.50				

Sl. No	Description						UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
	Details	No	L	B	H	Qty.				
4	Page-245, Item No-4.11, (iii) Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening / binding materials to fill up the interstices of coarse aggregate, watering including lighting, guarding, barricading and making necessary earthen bundh of one metre width on each side and preparing the bed by necessary cutting or filling, including cost of all materials and hire and labour charges of all men and machinery and compacting to the required density, as per Clause 404 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). (iii) Grading-II Aggregate (53 mm to 22.4 mm) Using Stone Screening Type B (11.2 mm)						Cum	22.50	3,173.67	71,407.58
	For BT road	1.000	100.000	3.000	0.075	22.50				
					Total-	22.50				
5	Page-253, Item No-5.11 Open-Graded Premix Surfacing using Bituminous (Viscosity grade Paving Bitumen / Medified bitumen) Binder and Mobile Hot Mix Plant (Light Duty) Providing, laying and rolling of Open - graded premix surfacing of 20 mm thickness composed of 13.2 mm (@ 0.018 m <sup>3</sup> per m <sup>2</sup> ) and 11.2 mm (@ 0.009 m <sup>3</sup> per m <sup>2</sup> ) size stone aggregates, including thoroughly cleaning of the surface, screening, cleaning and pre-heating stone chips and fully pre-coating the same either using viscosity grade paving bitumen or cut-back or emulsion, carrying the mixture by any suitable arrangements, laying the mixture uniformly over the surface, including previously prepared base, including mixing on Mobile Hot Mix Plant (Light Duty) and thoroughly rolling with a smooth wheeled roller 8-10 tonne capacity, finished to required level and grades including the cost and carriage of stone chips and matrix, heating the matrix, preheating the aggregates to required temperature and including the hire charges of Mobile Hot Mix Plant (Light Duty) and other machinery, pay of operators, cost of fuel and lubricants etc. complete to be followed by seal coat of either Type A or Type B as per Technical Specification Clause 508 for Rural Roads of MORD.						Cum	300.00	172.33	51,699.00
	For BT road	1.0	100.000	3.000		300.00				
					Total-	300.00				

Sl. No	Description						UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
	Details	No	L	B	H	Qty.				
6	Page-254, Item No-5.13. B.(i) Providing and laying Premixed Seal Coat (Type B) with approved quality sand / grit @ 0.6 m <sup>3</sup> /100 m <sup>2</sup> and bitumen binder on thoroughly cleaned black top surface coated with tack coat, including heating and mixing cleaned sand/grit (100% passing through 2.36 mm sieve and retained on 180 micron sieve) uniformly with bitumen binder, laying and spreading the mix at an uniform rate using suitable means, brushing the surface, if necessary, to ensure uniformity, followed by rolling with power roller including the cost and carriage of binder and aggregates, cost of heating the binder and aggregates and all other incidental charges, cost of fuel and lubricants, including hire charges of machineries, tools & plants required for construction and quality control complete as per Clause 511 of Specifications for Road & Bridge Works of MoRT&H (5th Revision) By Mechanical Means						Cum	300.00	57.00	17,100.00
	(i) With Hot Bitumen Binder									
	For BT road	1.0	100.000	3.000		300.00				
				Total-	300.00					
7	Page-235, Item No-3.01(i) Earthwork in excavation from borrow pits (land owned/arranged by the Department) and depositing in layers of 250 mm. Including breaking clods in embankment works and to fill up back of abutments, depressions and ruts with an initial lead up to 50 m and initial lift up to 1.5 m making bunds at top as directed dressing complete. (Borrow pit measurement)						Cum	18.00	300.87	5,415.66
	(i) In ordinary soil									
	For BT road	2.0	100.000	0.300	0.300	18.00				
				Total-	18.00					

Total- 1,78,373.09  
 Add Contingency @ 3% 5,351.19  
**G. Total- 1,83,724.28**  
 Total area of Road in 300.00  
 Rate/Sq.m= 612.41  
 Say 612.00

*[Handwritten Signature]*  
 Upd Assistant Engineer  
 Madhyamgram Municipality

*[Handwritten Signature]*  
 Assistant Engineer  
 Madhyamgram Municipality  
 North 24 Parganas

**Chairman**  
 Madhyamgram Municipality  
 North 24-Parganas



# FUND FLOW PATTERN

Rupees in lakhs

NAME_OF THE SCHEME	ESTIMATED COST	YEAR 2015-16				TOTAL
		GOI	GOWB	ULB	Beneficiaries	
PMAY project - , Madhyamgram Municipality	6110.12	2265.00	3189.89	277.73	377.50	6110.12

## PHASING OF FUND


Rupees in lakhs

YEAR 2016-17	RELEASE OF FUND				
	GOI	GOWB	ULB	Beneficiaries	TOTAL
1st Installment @ 40%	906.00	1275.96	111.09	377.50	2670.55
2nd Installment @ 40%	906.00	1275.96	111.09	0.00	2293.05
3rd Installment @ 20%	453.00	637.98	55.55	0.00	1146.52
<b>TOTAL</b>	<b>2265.00</b>	<b>3189.89</b>	<b>277.73</b>	<b>377.50</b>	<b>6110.12</b>

## REQUIREMENT OF FUND


Rupees in lakhs

SL. NO	NAME_OF THE SCHEME	YEAR 2016-2017	TOTAL
1	PMAY project - , Madhyamgram	6110.12	6110.12
<b>Total</b>		<b>6110.12</b>	<b>6110.12</b>

  
Chairman  
Madhyamgram Municipality  
North 24-Parganas

**ESTIMATE FOR CONSTRUCTION OF CONCRETE ROAD PER SQ-MTR**  
**All rates are taken from P.W.D. Schedule 201 effective from 1st June 2014. and 7th Corrida effect from 11.08.2015**  
**Consider 30.0m x 2.0m Cement Concrete Road**

Sl. No	Description						UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
	Details	No	L	B	H	Qty.				
1	Brick edging 75 mm wide with picked jhama bricks, laid true to line						63.70	8,661.00	5,517.06	
	For CC road	2.0	30.000			60.00				
	End side	2.0	1.850			3.70				
				Total-		63.70				
2	(A) Filling in foundation or plinth by silver sand in layers not						5.52	68,771.00	3,796.16	
	For CC road	1.0	29.850	1.850	0.100	5.52				
				Total-		5.52				
				Total-		5.52				
3	Brick soling with picked jhama bricks including preparation of bed as						55.22	329.00	18,167.38	
	For CC road	1.0	29.850	1.850		55.22				
				Total-		55.22				
				Total-		55.22				
4	Hire and Labour Charges for shuttering with hard wood for precast						6.40	99.00	633.60	
	For CC road	2.000	30.000	0.100		6.00				
		2.000	2.000	0.100		0.40				
				Total-		6.40				
5	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20						12.00	6,071.82	72,861.84	
	For CC road	2.0	30.000	2.000	0.100	12.00				
				Total-		12.00				
				Total-		12.00				
6	Earth work in filling in foundation trenches or plinth with good earth.						1.92	7,831.00	150.36	
	Consider total Earth cutting.	2.0	30.000	0.300	0.100	1.80				
		2.0	2.000	0.300	0.100	0.12				
				Total-		1.92				

  
**Chairman**  
 Madhyamgram Municipality  
 Dargana

  
**Assistant Engineer**  
 Madhyamgram Municipality  
 North 24 Parganas

**Total- 1,01,126.39**  
**Add Contingency @ 3% 3,033.79**  
**G. Total- 1,04,160.18**  
**Total area of Road in Sq.m 60.00**  
**Rate /Sq.m= 1736.00**  
**Say 1736.00**


**HFA Under Pradhan Mantri Awas Yojana**

**Year of Implementation : 2016-17**

**Name of the City: Madhyamgram**

**Infrastructure Cost**

SL. NO	DESCRIPTION OF WORK	QUANTITY	UNIT	RATE PER UNIT	TOTAL COST (In Lacs)
1	Roads				
i	Bituminous Road	43224	Sqm	612.00	264.53
ii	CC Roads	10159	Sqm	1736.00	176.35
iii	Community Centre	5	No.	2291701.00	114.59
Total Road Cost Sub Total (B)					555.47
Grand Total					555.47

  
**Chairman**  
**Madhyamgram Municipality**  
North 24.Pardana

# MADHYAMGRAM MUNICIPALITY

FORM 98

Estimate No.

## ESTIMATE FORM


**Name of Work-** Construction of a Community Centre for HFA project under Madhyamgram Municipality.

**Sub Head :-** Estimated Amount **2291701** Fund: HFA  
**SCHEDULE FOLLOWED P.W.D. ROAD 2007 AND BUILDING 2008**

SL. NO.	DESCRIPTION OF WORK	AMOUNT
<b>Abstract</b>		
1	Construction of a Community Centre for HFA project under Madhyamgram	1243582.51
2	Construction of a Community Centre for HFA project under Madhyamgram	828469.00
3	Construction of a Community Centre for HFA project under Madhyamgram	45539.00
3	Construction of a Community Centre for HFA project under Madhyamgram	85968.00
	Total Rs.	2203558.51
	Cess, 1% Rs. -	22035.59
	Cont, 3% Rs. -	66106.76
	<b>Say Rs.</b>	<b>2291701</b>

( Rupees Ten lacs Thirty Seven Thousand Four Hundred and Twenty Six Only)

  
**KOUSHIK MUKHERJEE**  
Sub Assistant Engineer  
Madhyamgram Municipality

  
Assistant Engineer  
Madhyamgram Municipality  
North 24 Parganas

  
CHAIRMAN  
Madhyamgram Municipality  
North 24 Parganas



# MADHYAMGRAM MUNICIPALITY

FORM 98

Estimate No.

(Vide Rule 147)

SLNo.

## ESTIMATE FORM

**Name of Work-** Construction of a Community Centre for HFA project under Madhyamgram Municipality.

**Sub Head :-**

Estimated Amoun 1243583

Fund :- HFA

### SCHEDULE FOLLOWED P.W.D. ROAD 2007 AND BUILDING 2008

SL. NO.	DESCRIPTION OF WORK	QUANTITY	UNIT	RATE	AMOUNT
<b>Foundation &amp; Ground Floor</b>					
1	P-1,It.2(a) Earthwork in excavation of foundation trenches in all sorts(Incl.d mixed soil but excluding lateroate pf sand stone) incld.removing spreading or stacking the spoils within a lead of 75m. as directed. The item includes trimming, dressing and ramming the bottom, bailing out water as required complete. a) Depth of excavation up to 1500mm. Where shoring is not required.				
		59.03	Cum.	120.47	7111.34
2	P-1, It.3(a) Earth work in filling in foundation trenches or plinth with good earth ..... Layer by layer complete. (a) With earth obtained from excavation of foundation.				
		11.81	Cum.	78.31	924.48
3	P-45, It.13 Supplying and laying polythene sheet (150gm/Sqm) over damp proof course of below flooring or roof treaching or in foundation or in foundation trenches.				
		90.76	Sqm.	25.00	2269.11
4	P-24,It.10(a) Cement conc. with graded jhama khoa (30mm. Size) nexcluding shutterinhg in Ground floor. a) 6:3:1 proportion.				
		11.57	Cum.	5823.00	67351.73
5	P-29,It.22(a) Brick work with 1st class bricks in cement mortar (6:1) 1) Up to plinth.				
		13.130	Cum.	5719.00	75091.90
6	P-40,It.7(i) Nominal mix M-20(1:1/2:3) Cement conc. with graded stone chips(20mm. Size) excluding shuttering and reinforcement if any in ground floor. a) Pakur/Chandil variety.				
		42.64	Cum.	6851.00	292126.64
7	P-84,It.1. Brick soling with picked jhama bricks including prempation of bed as necessary withi the brick joints proper filled ini and packed with powdered earth and incld. Necessary eussion of similar materials below the soling and inbetween layers when more than 1 layer is used complete as per drawing. a) Single brick flat soling (75mm.th.)				
		63.47	Sqm.	377.00	23928.19
8	P-27, It.15(i) Reinforcement for reinforced concrete work in all sorts of structure including distribution bars, stirrups, binders etc. including supply of roads, initial straightening and removal of loose rust(if necessary) cutting..... as oer drawing and direction (a) For all works in foundation, basement and upto roof of ground floor/upto 4m. (i) Tor steel/Mid steel.				
		3682.000	K.g	60.70	223497.40

9	P-66, It.12(a) Hire and labour charges for shuttering with centering and necessary staging upto 4m. Using approved stout props and thick hard wood planks of approved thickness with required bracing concrete slabs, beams, columns, lintels curved or straight including fitting, fixing and striking out after completion of works(upto roof of ground floor) a) 25mm. to 30mm. thick wooden shuttering as per E L C complete	358.67	Sqm.	360.00	129121.02
10	P-2, It.3(c) Sand filling in foundation or plinth in layers not exceeding 150mm. As directed and consolidation with water and ramming complete incld. The cost of supply of sand with fine sand/silver sand ash.	27.23	Cum.	983.85	26789.60
11	P-45, It.12 25 M.M. thick DPC with Cement Concrete with Stone Chips (4:2:1) (with graded stone aggregate 10 mm normal size) and painting the top surface with a coat of bitumen using 1.7 kg. per sqm. Including heating the bitumen and cost and carriage of all materials complete.	15.18	Sqm.	297.00	4507.27
12	P-29, It.22(b) Brick work with 1st class bricks in cement mortar (6:1) 1) In Superstructure ground floor. i) Ground Floor.	16.45	Cum.	5943.00	97733.17
13	P-73, It.29 b) 125mm.th. B/W. in cement sand mortar (1:4) i) Ground Floor.	70.84	Sqm.	783.00	55463.81
14	P-32, It.34(a) b) 75 mm.th. B/W. in cement sand mortar (1:4) i) Ground Floor.	9.05	Sqm.	537.00	4859.18
15	P-151, It.2(ii) Plaster(to wall, floor, ceiling etc.) with sand and cement mortar incld. Rounding off or chafferring corners as directed and racking out joints of roughening of conc. surface incld.throating, nosing and drip course where necessary. a) 10mm. th. 4:1 (Ceiling Plaster) i) Ground Floor. b) 15 mm. th (4:1) (Inside Plaster) i) Ground Floor. c) 15 mm. th (4:1) (Outside Plaster) i) Ground Floor	123.30	Sqm.	181.00	22317.17
		242.13	Sqm.	156.00	37771.50
		155.66	Sqm.	140.00	21792.82
16	P-86, It.3(i) Wood work in door & window frame fitted & fixed complete including a protective coat of painting at the contact surface of the frame. (b) Sal: Siliguri	0.11	Cum.	113732.00	12922.80
17	P-192, It.10 M.S. Clamp for fixing door and window frame made of flat bar, end bifurcated, fixed in cement concrete with stone chips (4:2:1) fitted and fixed complete as per direction. (Cost. Of cement concrete will be paid separately) (a) 40 m.m. x 6 m.m., above 250 m.m. upto 350m.m. length	24.00	No.	40.00	960.00
18	P-340, It.7 Neat cement punning av. 1.5mm. th. In wall, dado, window sills, floor drain etc.	61.44	Sqm.	38.00	2334.85

19	P-40,It.3(ii) Artificial stone in floor, dado, staircase etc. with cement concrete (6:1) with stone chips, .....using cement @ 1.75 Kg/sqm. all complete incld.all materials and labour. In ground floor.			
		109.01	Sqm.	303.00 33031.33
20	P-139,It.154 Supplying and fitting fixing P.V.C. door frame			
		9.50	Sqm.	282.00 2679.00
21	P-139,It.155 Supplying and fitting fixing P.V.C. door shutter of approved make			
		3.00	Sqm.	2310.00 6930.00
22	P- 81 , It. 33(b) Supplying, fitting and fixing windows without intregrated grill conforming to I.S. 1038/1975 and manufactured from rolled steel sction conforming to I. S. 7452 / 1974 with box type hinge ..... Complete in all respect excluding glazing. (b) openable steel window as per I.S. size with side hung shutters			
		18.77	Sqm.	2031.00 38111.72
23	P- 166 , It. 1 (ii). Supplying best indian sheet with frosted glass panes. (4 mm thick)			
		18.77	Sqm.	615.00 11540.48
24	P-76,It.10(a) a) M.S. or W.I. ornamental grill or approved design joints continuously welded with M.S. W.I. flats and bars for windows, railing etc.fitted and fixed....with necessary screws & lugs in ground floor. i) Grill weighing above 10kg.to 16kg.Sqm. i) Ground Floor.			
		81.00	K.g	90.51 7331.31
25	P- 77 , It. 15 Collapsible gate with 40 mm. x 40 mm. x 6 mm. tee as top and bottom guide rail 20 mm. x 10 mm. x 2 mm. vertical channels 100 m.m. apart.....			
		2.00	Sqm.	4016.00 8032.00
26	P-93,It.27(i)(c) Iton hasp bolt of approved quality fitted and fixed complete (oxide) with 16 mm dia rod with center both and round fitting 250 mm long			
		5.00	No.	193.00 965.00
27	P- 162 , It. 7 Priming one coat on timber, plastered or on steel or other metal surface with syntheticenamel / oil bound primer of approved quality including smoothening surface by sand papering etc. (This item is applicable to new work or old work when the original surface has been exposed by removal of old paint.)			
		48.47	Sqm.	41.00 1987.07
28	P- 162 , It. 8 (ii) Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary: (a) On timber or plastered surface: With super gloss (hi-gloss)- (ii) Two coats (white in shade) (b) On steel or other metal surface: With super gloss (hi-gloss)- (ii) Two coats (white in shade)			
		14.90	Sqm.	85.00 1266.50
29	P- 159 , It. 19(a) White washing including cleaning and smoothening surface thoroughly (5 parts of stone lime and 1 part of shell lime should be used in the finishing coat.) b) Two coats			
		326.50	Sqm.	43.00 0.00 4.50 1469.25

30	P- 158 , It. 16 Applying decorative cement based paint of approved quality after preoaring the surface including scraping the same thoroughly as per manufacturers specifications (Two coats).	142.69	Sqm.	37.00	5279.58
22	P- 104 , It. 83(ii) Panel (made of single plank) of door and window shutters to design as directed: In Ground Floor Payment to be made on area of exposed new work) (ii) 19mm thick panel of 30cm to 45cm width (b) Sishu, Gamar, Champ,Badam,Bhola, Mogra, Hallak.	7.15	Sqm.	1278.00	9137.70
32	P- 91 , It. 20(i)(vi) Iron butt hings of approved quality fitted and fixed with steel screws, with ISI mark. (iii) 100 x 50 x 1.25 m.m. 75 x 40 x 1.12 mm	15.00	Sqm.	48.00	720.00
33	P- , It. Supplying fitting & fixing of Rainwater down pipe	12.04	M.	102.00	1227.60
34	P- , It. Supplying fitting & fixing of Indentification plate.		-	L.S	5000.00
Total Rs.					#####

1243582'51

S.A.E.

*[Signature]*

**KOUSHIK MUKHERJEE**  
Sub Assistant Engineer  
Madhyamgram

A.E.

*[Signature]*

Assistant Engineer  
Madhyamgram Municipality  
North 24 Parganas

Chairman

*[Signature]*

**CHAIRMAN**  
Madhyamgram Municipality  
North 24-Parganas

# MADHYAMGRAM MUNICIPALITY

FORM 98

Estimate No.

(Vide Rule 147)

Sl.No.

## ESTIMATE FORM

**Name of Work-** Construction of a Community Centre for HFA project under Madhyamgram Municipality.

**Sub Head :-**

Estimated Amount 828469

Fund :- HFA

### SCHEDULE FOLLOWED P.W.D. ROAD 2007 AND BUILDING 2008

SL. NO.	DESCRIPTION OF WORK	QUANTITY	UNIT	RATE	AMOUNT
<b>1st Floor</b>					
1	P-29,It.20(b) Brick work with 1st class bricks in lime and surki mortar 1:3) ( 1 lime putty/paste: 2 surki) lime to be slaked at site and the mortar to be prepared with such lime putty and first class surki made from kiln burnt bricks having ts fineness modulus between 2 and 2.5 and which masses through B.S. sieve No 8 with correspondesto I.S sieve No 200 with considerable grinding and pugging it complete. (b) In superstructure, ground floor	16.45	Cum.	6055.00	99575.02
2	P-31,It.29 b) 125mm.th. B/W. in cement sand mortar (1:4) i) In Ground Floor.	102.91	Sq.m.	795.00	81812.46
3	P- 32,It.34(a) a) 75 mm. thick brick work with 1st class bricks set in cement, sand mortar (1:4) in ground floor	9.05	Sq.m.	549.00	4967.79
4	P-28,It.18 Nominal mix M-20(1:1.5:3) Cement conc. with graded stone chips(20mm. Size) excluding shuttering and reinforcement if any in ground floor. a) Pakur/Chandil variety.	23.06	Cum.	6800.00	156805.02
5	P-27, It.15 (a) Reinforcement for reinforced concrete work in all sorts of structure including distribution bars, stirrups, binders etc. including supply of roads, initial straightening and removal of loose rust(if necessary) cutting..... as oer drawing and direction (a) For all works in foundation, basement and upto roof of ground floor/upto 4m. (i) Tor steel/Mid steel.	1800.000	K.g	68.50	123300.00
6	P-26, It.12(a) Hire and labour charges for shuttering with centering and necessary staging upto 4m. Using approved stout props and thick hard wood planks of approved thiocklness with required bracing concrete slabs, beams, columns, lintels curved or straight ioncluding fitting, fixing and striking out after completion of works(upto roof of ground floor) a) 25mm. to 30mm. thick wooden shuttering as per....E.I.C.complete.	253.65	Sq.m.	360.00	91314.00

7	P-151,It.2(ii) Plaster(to wall, floor, ceiling etc.) with sand and cement mortar incld. Rounding off or charferring corners as directed and racking out joints of roughening of conc. surface incld.throating, nosing and drip course where necessary. a) 10mm. th. 4:1 (Ceiling Plaster) i) 1st Floor. b) 15 mm. th (4:1) (Inside Plaster) i) 1st Floor. c)20 mm. th (4:1) (Outside Plaster) i) 1st Floor				
		123.30	Sqm.	144.00	17755.20
		242.13	Sqm.	235.00	56900.55
		175.43	Sqm.	180.00	31577.40
8	P-86,It.3(i) Wood work in door & window frame fitted & fixed complete including a protective coat of painting at the contact surface of the frame. (b) Sal: Siliguri				
		0.14	Cum.	113732.00	15922.48
9	P-224,It.18(a) M.S. Clamp for fixing door and window frame made of flat bar, end bifurcated, fixed in cement concrete with stone chips (4:2:1) fitted and fixed complete as per direction. (Cost. Of cement concrete will be paid separetly) (a) 40 m.m. x6 m.m., above 250 m.m. upto 350m.m. length				
		54.00	No.	30.00	1620.00
10	P-340,It.7 Neat cement punning av. 1.5mm. th. In wall, dado, window sills, floor drain etc.				
		42.45	Sqm.	38.00	1613.10
11	P-40,It.3(ii) Artificial stone in floor, dado, staircase etc. with cement concrete (6:1) with stone chips, .....using cement @ 1.75 Kg/sqm. all complete incld.all materials and labour. In ground floor. (ii) 25mm. Thick				
		99.84	Sqm.	303.00	30251.52
12	P-76,It.10(a) a) M.S. or W.I. ornamental grill or approved design joints continuously welded with M.S. W.I. flats and bars for windows, railing etc.fitted and fixed....with necessary screws & lugs in ground floor. i) Grill weighing above 10kg.to 16kg.Sqm. i) Ground Floor.				
		81.00	K.g	90.51	7331.31
13	P-139,It.154 Supplying and fitting fixing P.V.C. door frame				
		9.50	Mtr.	282.00	2679.00
14	P-139,It.155(b) Supplying and fitting fixing P.V.C. door shutter of approved make				
		3.00	Sqm.	2310.00	6930.00
15	P- 81 , It. 33(b) Supplying, fitting and fixing windows without intregated grill conforming to I.S. 1038/1975 and manufactured from rolled steel sction conforming to I. S. 7452 / 1974 with box type hinge ..... Complete in all respect excluding glazing. (b) openable steel window as per I.S. size with side hung shutters.				
		18.77	Sqm.	2031.00	38121.87

16	P- 166 , It. 1 (ii). Supplying best Indian sheet glass panes set in putty and fitted and fixed with nails and putty complete. (In all floors for internal wall & upto 6 m height for external wall) (ii) 4 mm thick	18.77	Sqm.	615.00	11543.55
17	P-93,It.27(i)(c) Iron hasp bolt of approved quality fitted and fixed complete (oxide) with 16 mm dia rod with center both and round fitting 250 mm long (c) 300mm long.	5.00	No.	193.00	965.00
18	P- 162 , It. 7(a) Priming one coat on timber, plastered or on steel or other metal surface with synthetic enamel / oil bound primer of approved quality including smoothening surface by sand papering etc.	48.47	Sqm.	41.00	1987.27
19	P- 162 , It. 8(ii) (A)Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary: (a) On timber or plastered surface: With super gloss (hi-gloss)- (ii) Two coats (white in shade)	14.30	Sqm.	85.00	1215.50
20	P- 159 , It. 19(a) Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of EIC to be applied ....of primer. In Ground floor (Two Coat) a) Normal Acrylic Emulsion	371.60	Sqm.	73.00	27126.80
21	P- 158 , It. 16 Applying decorative cement based paint of approved quality after preoaring the surface including scraping the same thoroughly as per manufacturers specifications (One coats).	160.80	Sqm.	37.00	5949.60
22	P- 104 , It. 83(ii) Panel (made of single plank) of door and window shutters to design as directed: In Ground Floor Payment to be made on area of exposed new work) (ii) 19mm thick panel of 30cm to 45cm width (b) Sishu, Gamar, Champ,Badam,Bhola, Mogra, Hallak.	7.15	Sqm.	1278.00	9137.70
23	P- 91 , It. 20(vi) Iron butt hings of approved quality fitted and fixed with steel screws, with ISI mark. (iii) 100 x 50 x 1.25 m.m.	15.00	Each	48.00	720.00
24	P- , It. Supplying fitting & fixing of Rainwater down pipe	13.20	M.	102.00	1346.40
				Total Rs.	828468.54
				Say Rs.	828469

100  
Sig. of S.A.E.

**KOUSHIK MUKHERJEE**  
Sub Assistant Engineer  
Madhyamgram Municipality

Nepal  
Sig. of A.E.

Assistant Engineer  
Madhyamgram Municipality  
North-24 Panchayat

Chairman

CHAIRMAN  
Madhyamgram Municipality  
North-24 Panchayat

# MADHYAMGRAM MUNICIPALITY

FORM 98

Estimate No.

(Vide Rule 147)

Sl.No.

## ESTIMATE FORM

**Name of Work** - Construction of a Community Centre for HFA project under Madhyamgram Municipality.

**Sub Head :-**

Estimated Amount      45539

Fund :- HFA

### SCHEDULE FOLLOWED P.W.D. ROAD 2007 AND BUILDING 2008

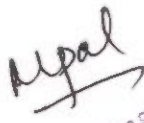
SL. NO.	DESCRIPTION OF WORK	QUANTITY	UNIT	RATE	AMOUNT
<b>Sanitary &amp; Plumbing</b>					
1	P.C.S.(S & P) P-174,It.1. Construction Inspection pit of inside measurements 600mmx600xupt 600mm(depth) with 250mm thick 1st class brick work in cement mortar(6:1) on all sides, bottom of the pits consisting of 100mm. thick cement concrete(6:3:1) with jhama khoa over a layer of jhama brick flat soling 12mm. thick (4:1) cement plaster to inside wall and outside walls and outside walls upto G.L & 20mm. thick (4:1) plaster..... in all sorts of soil filling sides of the pits spoils after work complete all respect.	1.00	No.	2708.00	2708.00
2	Supplying fitting and fixing cast iron 'P' or 'S' trap conforming to I.S 3989/1970 and 1729/1964 including lead cauled joints and painting tow coats to the exposed surface 'P' trap without A.S.horn. 100m..	4.00	No.	481.00	1924.00
3	P.C.S.(S & P) P-70,It.9. Supplying plastic water storage tank of approved quality with closed top with lid(BLACK) Multilayer. 1000 litre capacity.	1.00	No.	5460.00	5460.00
4	P.C.S.(S & P) P-84,It.2((ii) Supplying fitting and fixing 10 litre P.V.C low-down cistern conforming to I.S specification with ..... including two coats of painting to bracket etc.	4.00	Each	1112.00	4448.00
5	P.C.S.(Sanitary) P-16,It.8(a)(i) Supplying fitting and fixing C.P. Bib Cock or Stop Cock of approved make and brand tested to 21 kg/Sqm. a) Deluxe 15 mm. dia.	14.00	No.	319.00	4466.00



6	<p>P-10,It.1(e)(ii)  Supplying fitting fixing G.I.Pipes of TATA make with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, longscres, reducing, socket reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads, fitting fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials and two coats of painting with approved paint in any position above ground (payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories specials.)</p>					
		(a) 15 mm. dia medium quality.	36.00	M.	124.00	4464.00
		(b) 20 mm. dia medium quality.	16.00	M.	139.00	2224.00
		© 25 mm. dia medium quality.	12.00	M.	184.00	2208.00
7	<p>P-161,It.7  Squating plate with integral flushing in white vitreous china ware of approved make supplied fitted and fixed in cement concrete (6:3:1) with jhama chips complete.  450 mm x 350 mm.</p>	2.00	No.	716.00	1432.00	
8	<p>P.C.S.(S &amp; P) P-72,It.14(i).  Labour for hoisting plastic water storage tank upto 1500 Ltr. Capacity  (a) 1st storey from G.L. P.C.S.</p>	1.00	Each	44.00	44.00	
9	<p>P.C.S.(S &amp; P) P-74,It.17.  Labour for punching hole in plastic water storage Tank upto 50mm. Dia.</p>	2.00	No.	5.00	10.00	
10	<p>P.C.S.(S &amp; P) P-162,It.22(ii).  Supplying fitting fixing towel rail with two brackets.  (a) C.P. over brass.  i) 25mm. dia and 600 mm. long.</p>	2.00	Each	290.00	580.00	
11	<p>P.C.S.(S &amp; P) P-160,It.20.  Supplying fitting and fixing beveled edged mirror 5.5mm thick silver red as per I.S. 3433/1965 together with brass C.P. hinges 600 mm x 450 mm.</p>	2.00	Each	353.00	706.00	
12	<p>P.C.S.(S &amp; P) P-8,It.1(i).  Supplying fitting fixing brass ferrule including connection with G.I. pipes of TATA make of following dia and upto 450mm long with screw, jamnut socket etc. complete in all respect, including cutting trenches in all sorts of soil and filling up the trenches as per direction of the EIC.  (i) 24 mm. dia.</p>	1.00	No.	816.00	816.00	

13	P.C.S.(Sanitary) P-14,It.4((viii)) Supplying fitting and fixing peet's valve fully gunimetal standered pattern best quality of approved brand bearing I.S.I. marking with fittings (tested to 21 kg/sqm). a) 20 mm. dia. b) 25 mm. dia	1.00	No.	641.00	641.00
		1.00	No.	920.00	920.00
14	P.C.S.(S & P) P-88,It.10(iv). Connector pipe 750mm. long	4.00	No.	36.00	144.00
15	P.C.S.(S & P) P-168,It.24(ii). Supplying fitting fixing porcelaini soap tray of approved make Recessed soap tray of size 150mmx100mm.	2.00	No.	277.00	554.00
16	P.C.S.(S & P) P-84,It.2((ii)) Supplying fitting and fixing white vitreous china best quality approved make wash basini with C.I.bracket on 75mmx75mm wooden blocks, C.P. waste fittings of 32mm. dia one approved quality brass C.P. pillar cock of 15mm dia, c.P. chaini withi ruibber plug of 30mm dia approved quality PVC waste pipe with C.P. nut 32mm dia, 900 mm long approved quality PVC connect pipe 550x400mm size	2.00	No.	1379.00	2758.00
17	P.C.S.(S & P) P-128,It.1 Cast iron soil pipe only conforming to I.S 3989/1970 and I.S 1729/1964 with bobbins nails etc including making holes in the wall floor through masonry concrete, if necessary and mending good damages with necessary jointing materials and painting two coats to the exposed surface with approved paint complete. a) with valmoid joints including scaling with sand cement mortar (4:1) up to quater depth (i) 100 mm dia. Intametal.	8.00	M.	399.00	3192.00
18	P.C.S.(S & P) P-160,It.5(a). Orissa Pattern Water Closet. 580x440	4.00	No.	1460.00	5840.00
				Total Rs.	45539.00
				Say Rs.	45539

  
**KOUSHIK MUKHERJEE**  
 Sub Assistant Engineer  
 Madhyamgram Municipality

  
 Assistant Engineer  
 Madhyamgram Municipality  
 North 24 Parganas

  
**CHAIRMAN**  
 Madhyamgram Municipality  
 North 24-Parganas

# MADHYAMGRAM MUNICIPALITY

FORM 98

Estimate No.

(Vide Rule 147)

Sl.No.

## ESTIMATE FORM

**Name of Work** - Construction of a Community Centre for HFA project under Madhyamgram Municipality.

**Sub Head :-**

Estimated Amount

85968

Fund :- HFA

### SCHEDULE FOLLOWED P.W.D. ROAD 2007 AND BUILDING 2008

SL. NO.	DESCRIPTION OF WORK	QUANTITY	UNIT	RATE	AMOUNT
<b>Electrical Part</b>					
1	Notice Board and Black Board.	1.00	L.S	6000.00	6000.00
2	Concealed Distribution wiring in 2x1.5 sqmm single core standard *FR* insulated and unseathed cop per wire Finolex make & 1x1.5 sq mm single core stranded PVC cinsulated ..... polythene pipe complete with all accessries embedded in wall smooth run to light / fan/call bell point with pino key type switchb (6 Amps) (Anchor make) fixed on sheet metal (16 SWG) Switch Board with bakelite/ perspex (wall maching colour) Top cover (3 mm thick) flushed in wall including mending all good damages to original finish Average per point 6.00 mt.	36.00	Points	828.00	29808.00
3	Supplying & drawing 1.1 KV grade single core srtanded FR PVC insulated & unseathed single core stranded cu Wire 3x2.5 sq mm (finolex make) in the prelaid .... to consumer DP near to CESC & inside the room another DP near CESC & inside the room another DP of dwelling units)	60.00	RM	86.00	5160.00
4	Providing & laying earthing of the premises.	1.00	Each	L.S	1500.00
5	Supplying & fitting fixing of main switch etc.	1.00	Each	L.S	2500.00
6	Supplying & fitting fixing of fan.	15.00	Each	1800.00	27000.00
7	Supplying & fitting fixing of Tube Lights including all fittings.	20.00	Each	500.00	10000.00
8	Service Charges for WBSEB.	1.00	Each	L.S	4000.00
Total Rs.					85968.00
Say Rs.					85968

Sig. of S.A.E.

Sig. of A.E.

Chairman

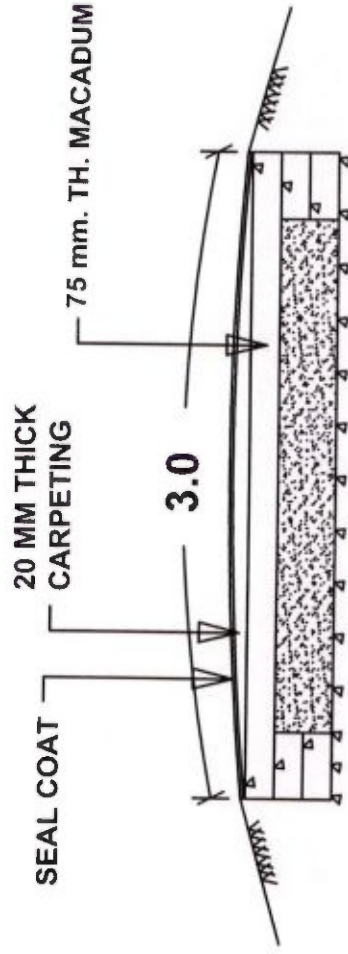
**Koushik Mukherjee**  
Sub Assistant Engineer  
Madhyamgram Municipality

*npal*  
Assistant Engineer  
Madhyamgram Municipality  
North 24 Parganas

**CHAIRMAN**  
Madhyamgram Municipality  
North 24 Parganas

# MADHYAMGRAM MUNICIPALITY

## CROSS SECTION OF BITUMINOUS ROAD



*[Signature]*  
S.A.E.

*[Signature]*  
Assistant Engineer  
Madhyamgram Municipality  
North 24 Parganas

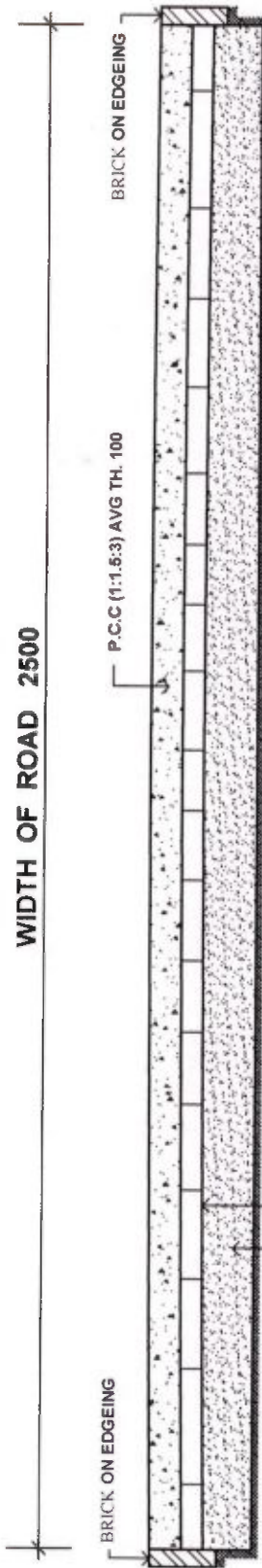
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Chairman  
Madhyamgram Municipality  
North 24 Parganas

CHAIRMAN

A.E.

# MADHYAMGRAM MUNICIPALITY

## TYPICAL CROSS SECTION OF CEMENT CONCRETE ROAD



NOTE : 1. CEMENT CONCRETE SHOULD BE LAID IN ALTERNATE PANNEL OF AN AREA NOT MORE THAN 7.50 SQM. PROVISION FOR PAPER JOINT AT THE END OF EACH PANNEL IS TO BE MADE  
2. ALL DIMENSIONS ARE IN MM.

*Russhar*  
Chairman

Madhyamgram Municipality  
North 24 Parganas

CHAIRMAN

*Nepal*  
Assistant Engineer

Madhyamgram Municipality  
North 24 Parganas

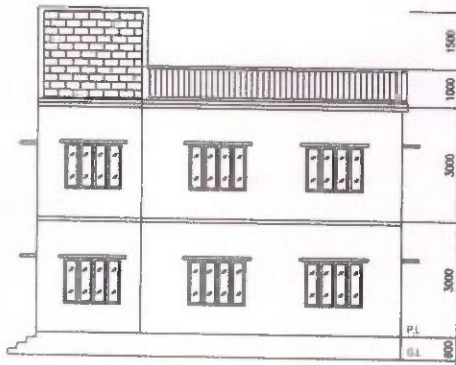
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S.A.E.

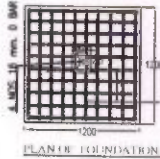
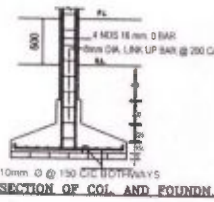
PRADHAN MANTRI AWAS YOJANA  
HOUSING FOR ALL (URBAN)

OFFICE OF THE CHIEF ENGINEER  
MUNICIPAL ENGINEERING DIRECTORATE  
GOVT. OF WEST BENGAL

DWG. NO.

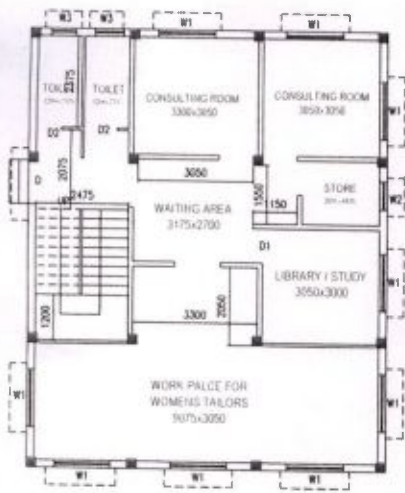


ELEVATION

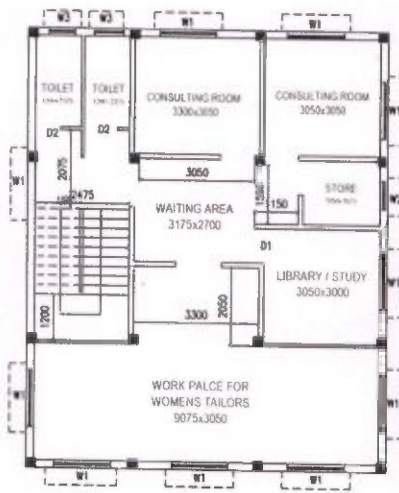


COMMUNITY CENTER  
 (SHAWIN)  
 COVERED AREA-111M<sup>2</sup>

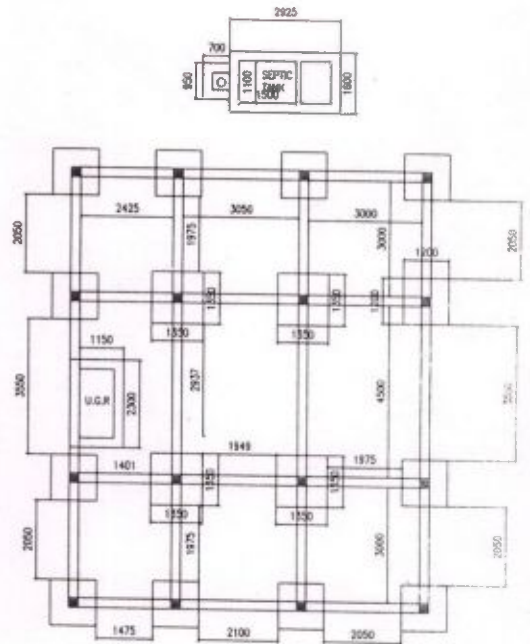
ALL DIMENSIONS IN MM



GROUND FLOOR PLAN



FIRST FLOOR PLAN



LAYOUT PLAN

*KM*

**KOUSHIK MUKHERJEE**  
 Sub Assistant Engineer  
 Madhyamgram Municipality

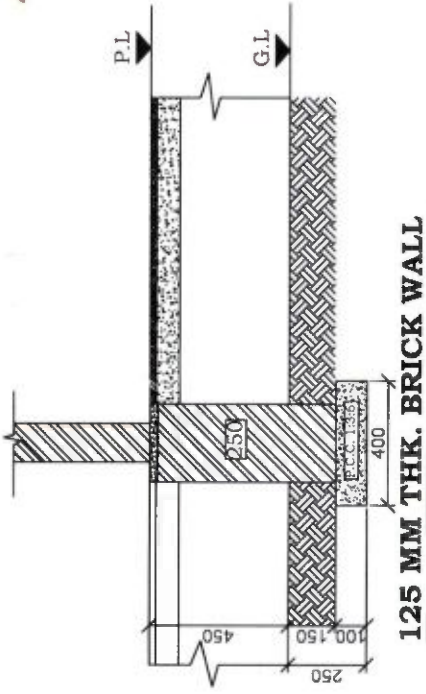
*Upal*

**Assistant Engineer**  
 Madhyamgram Municipality  
 North 24 Parganas

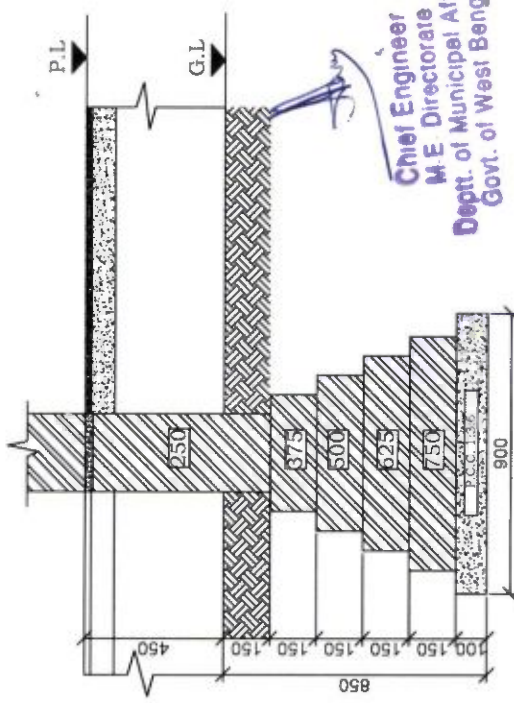
*Chairman*

**CHAIRMAN**  
 Madhyamgram Municipality  
 North 24 Parganas

**FOUNDATION DETAILS**



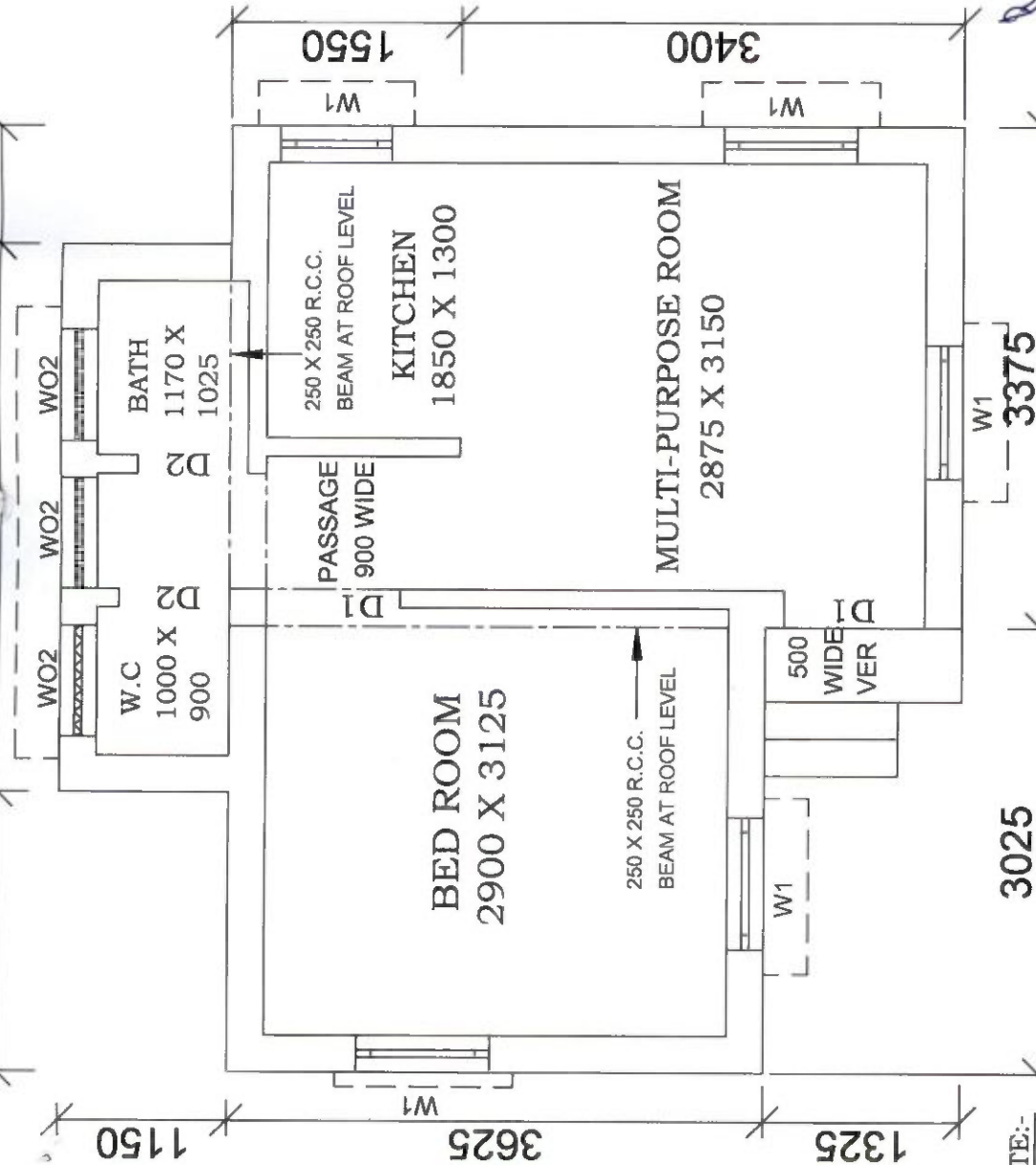
**125 MM THK. BRICK WALL**



**250 MM THK. BRICK WALL**

Chief Engineer  
M.E Directorate  
Dept. of Municipal Affairs  
Govt. of West Bengal

1900 3700 800



CHAIRMAN  
Madhyamgram Municipality  
North 24-Parganas

DOORS & WINDOWS SCHEDULE	
MARKING	DIMENSION
W1	900 X 900
W2	750 X 900
WO2	750 X 750
D1	900 X 2100
D2	750 X 2100

FLOOR AREA - 25.77 SQM.  
BUILT UP AREA - 32.58 SQM.

- NOTE:-**
1. ALL WINDOW OPENINGS (W1&W2) WILL BE PROVIDED WITH Z-BATTEN SHUTTERS.
  2. ALL DOORS (D1&D2) -25TH Z-BATTEN SHUTTERS, SINGLE LEAF.
  3. WO2 - OPENING PROVIDED WITH R.C.C. JALLI.
  4. PLINTH HEIGHT - 450 TH.
  5. CEILING HEIGHT - 2750 TH.
  6. MAIN WALL - 250 TH.
  7. PARTITION WALL - 125 TH.
  8. ROOF SLAB, BEAM, LINTEL, ETC. WITH REINFORCED CEMENT CONCRETE M20 GRADE.
  9. FLOOR OF VERANDAH, WC, BATH, & KITCHEN ROOM TO BE KEPT 15 MM BELOW THE FLOOR LEVEL OF ROOM & PASSAGE.
  10. 100 MM TH. PIECE LINTEL OVER OPENING HAVE BEEN PROVIDED.
  11. ALL DIMENSION ARE IN MM.

**PRADHAN MANTRI AWAS YOJANA**  
HOUSING FOR ALL (URBAN)  
OFFICE OF THE CHIEF ENGINEER  
MUNICIPAL ENGINEERING DIRECTORATE  
GOVT. OF WEST BENGAL

DWG. NO. SCALE :- 1:50 & 1:25

Status of Physical Infrastructure

<b>NADIBHAG MOLLAPARA BUSTEE</b>	
Physical Infrastructure	Status
1. Connectivity to City-wide Water Supply System	connected
2. Connectivity to City-wide Strom-water Drainage Supply System	connected
3. Connectivity to City-wide Sewerage System	Not
4. Whether the slum is prone to flooding due to rains	Partially
5. Frequency of garbage Disposal	Daily
6. Arrangement for Global Disposal	Municipal staff
7. Frequency of clearance open drains	Once in 7 days
8. Approach Road/Lane/Constructed Path to Slum	Motorable Pucca
9. Distance from the nearest Motorable road	Less than 0.5 km
10. Internal Road	Non-motorable Concrete
11. Whether Street light facility is available in the Slum	Yes
<b>2. Kaiputra Para BUSTEE</b>	
Physical Infrastructure	Status
1. Connectivity to City-wide Water Supply System	connected
2. Connectivity to City-wide Strom-water Drainage Supply System	connected
3. Connectivity to City-wide Sewerage System	Not
4. Whether the slum is prone to flooding due to rains	Partially
5. Frequency of garbage Disposal	Daily
6. Arrangement for Global Disposal	Municipal staff
7. Frequency of clearance open drains	Once in 7 days
8. Approach Road/Lane/Constructed Path to Slum	Motorable Pucca
9. Distance from the nearest Motorable road	Less than 0.5 km
10. Internal Road	Non-motorable Concrete
11. Whether Street light facility is available in the Slum	Yes
<b>3. PATULI MOLLAPARA BUSTEE</b>	
Physical Infrastructure	Status
1. Connectivity to City-wide Water Supply System	connected
2. Connectivity to City-wide Strom-water Drainage Supply System	connected
3. Connectivity to City-wide Sewerage System	Not
4. Whether the slum is prone to flooding due to rains	Partially
5. Frequency of garbage Disposal	Daily
6. Arrangement for Global Disposal	Municipal staff
7. Frequency of clearance open drains	Once in 7 days



8. Approach Road/Lane/Constructed Path to Slum	Motorable Pucca
9.Distance from the nearest Motorable road	Less than 0.5 km
10.Internal Road	Non-motorable Concrete
11.Whether Street light facility is available in the Slum	Yes

**4. SARADAPALLY BUSTEE**

Physical Infrastructure	
1. Connectivity to City-wide Water Supply System	Status
2. Connectivity to City-wide Strom-water Drainage Supply System	connected
3. Connectivity to City-wide Sewerage System	connected
4.Whether the slum is prone to flooding due to rains	Not
5. Frequency of garbage Disposal	Partially
6. Arrangement for Global Disposal	Daily
7. Frequency of clearance open drains	Municipal staff
8. Approach Road/Lane/Constructed Path to Slum	Once in 7 days
9.Distance from the nearest Motorable road	Motorable Pucca
10.Internal Road	Less than 0.5 km
11.Whether Street light facility is available in the Slum	Non-motorable Concrete
	Partially

**5. SARDERPALLY BUSTEE**

Physical Infrastructure	
1. Connectivity to City-wide Water Supply System	Status
2. Connectivity to City-wide Strom-water Drainage Supply System	connected
3. Connectivity to City-wide Sewerage System	Connected
4.Whether the slum is prone to flooding due to rains	Not
5. Frequency of garbage Disposal	Partially
6. Arrangement for Global Disposal	Daily
7. Frequency of clearance open drains	Municipal staff
8. Approach Road/Lane/Constructed Path to Slum	Once in 7 days
9.Distance from the nearest Motorable road	Motorable Pucca
10.Internal Road	Less than 0.5 km
11.Whether Street light facility is available in the Slum	Non-motorable Concrete and Kutcha
	Partially

**6. SINGHERPUKUR BUSTEE**

Physical Infrastructure	
1. Connectivity to City-wide Water Supply System	Status
2. Connectivity to City-wide Strom-water Drainage Supply System	connected
3. Connectivity to City-wide Sewerage System	connected
4.Whether the slum is prone to flooding due to rains	Not Connected
	Partially

5. Frequency of garbage Disposal	Daily
6. Arrangement for Global Disposal	Municipal staff
7. Frequency of clearance open drains	Once in 7 days
8. Approach Road/Lane/Constructed Path to Slum	Motorable Pucca
9.Distance from the nearest Motorable road	Less than 0.5 km
10.Internal Road	Non-motorable Concrete
11.Whether Street light facility is available in the Slum	Yes

#### 7. PANCHPARA BUSTEE

Physical Infrastructure	
1. Connectivity to City-wide Water Supply System	Status
2. Connectivity to City-wide Strom-water Drainage Supply System	connected
3. Connectivity to City-wide Sewerage System	connected
4.Whether the slum is prone to flooding due to rains	Not
	Partially
5. Frequency of garbage Disposal	Daily
6. Arrangement for Global Disposal	Municipal staff
7. Frequency of clearance open drains	Once in 7 days
8. Approach Road/Lane/Constructed Path to Slum	Motorable Pucca
9.Distance from the nearest Motorable road	Less than 0.5 km
10.Internal Road	Non-motorable Concrete
11.Whether Street light facility is available in the Slum	Yes

#### 8. BANASBAGAN BUSTEE

Physical Infrastructure	
1. Connectivity to City-wide Water Supply System	Status
2. Connectivity to City-wide Strom-water Drainage Supply System	connected
3. Connectivity to City-wide Sewerage System	connected
4.Whether the slum is prone to flooding due to rains	Not
	Partially
5. Frequency of garbage Disposal	Daily
6. Arrangement for Global Disposal	Municipal staff
7. Frequency of clearance open drains	Once in 7 days
8. Approach Road/Lane/Constructed Path to Slum	Motorable Pucca
9.Distance from the nearest Motorable road	Less than 0.5 km
10.Internal Road	Non-motorable Concrete
11.Whether Street light facility is available in the Slum	Yes

#### 9. MILLANPALLY BUSTEE

Physical Infrastructure	
1. Connectivity to City-wide Water Supply System	Status
2. Connectivity to City-wide Strom-water Drainage Supply System	connected
	connected

3. Connectivity to City-wide Sewerage System	Not
4. Whether the slum is prone to flooding due to rains	Partially
5. Frequency of garbage Disposal	Daily
6. Arrangement for Global Disposal	Municipal staff
7. Frequency of clearance open drains	Once in 7 days
8. Approach Road/Lane/Constructed Path to Slum	Motorable Pucca
9. Distance from the nearest Motorable road	Less than 0.5 km
10. Internal Road	Non-motorable Concrete
11. Whether Street light facility is available in the Slum	Yes

### 10. PALPARA BUSTEE

Physical Infrastructure	
1. Connectivity to City-wide Water Supply System	Status
2. Connectivity to City-wide Strom-water Drainage Supply System	connected
3. Connectivity to City-wide Sewerage System	connected
4. Whether the slum is prone to flooding due to rains	Not
5. Frequency of garbage Disposal	Partially
6. Arrangement for Global Disposal	Daily
7. Frequency of clearance open drains	Municipal staff
8. Approach Road/Lane/Constructed Path to Slum	Once in 7 days
9. Distance from the nearest Motorable road	Motorable Pucca
10. Internal Road	Less than 0.5 km
11. Whether Street light facility is available in the Slum	Non-motorable Concrete
	Yes

### 11. ADIBASIPARA BUSTEE

Physical Infrastructure	
1. Connectivity to City-wide Water Supply System	Status
2. Connectivity to City-wide Strom-water Drainage Supply System	connected
3. Connectivity to City-wide Sewerage System	connected
4. Whether the slum is prone to flooding due to rains	Not
5. Frequency of garbage Disposal	Partially
6. Arrangement for Global Disposal	Daily
7. Frequency of clearance open drains	Municipal staff
8. Approach Road/Lane/Constructed Path to Slum	Once in 7 days
9. Distance from the nearest Motorable road	Motorable Pucca
10. Internal Road	Less than 0.5 km
11. Whether Street light facility is available in the Slum	Non-motorable Concrete
	Yes

### 12. GANDHIPALLY SUKANTANAGAR BUSTEE

Physical Infrastructure	
	Status

1. Connectivity to City-wide Water Supply System	connected
2. Connectivity to City-wide Strom-water Drainage Supply System	connected
3. Connectivity to City-wide Sewerage System	Not
4. Whether the slum is prone to flooding due to rains	Partially
5. Frequency of garbage Disposal	Daily
6. Arrangement for Global Disposal	Municipal staff
7. Frequency of clearance open drains	Once in 7 days
8. Approach Road/Lane/Constructed Path to Slum	Motorable Pucca
9. Distance from the nearest Motorable road	Less than 0.5 km
10. Internal Road	Non-motorable Concrete
11. Whether Street light facility is available in the Slum	Yes

### 13. ADIBASI SARDARPARA BUSTEE

#### Physical Infrastructure

1. Connectivity to City-wide Water Supply System	Status
2. Connectivity to City-wide Strom-water Drainage Supply System	connected
3. Connectivity to City-wide Sewerage System	connected
4. Whether the slum is prone to flooding due to rains	Not
5. Frequency of garbage Disposal	Partially
6. Arrangement for Global Disposal	Daily
7. Frequency of clearance open drains	Municipal staff
8. Approach Road/Lane/Constructed Path to Slum	Once in 7 days
9. Distance from the nearest Motorable road	Motorable Pucca
10. Internal Road	Less than 0.5 km
11. Whether Street light facility is available in the Slum	Non-motorable Concrete
	Yes

### 14. RAMKRISHNA PALLY BUSTEE

#### Physical Infrastructure

1. Connectivity to City-wide Water Supply System	Status
2. Connectivity to City-wide Strom-water Drainage Supply System	connected
3. Connectivity to City-wide Sewerage System	connected
4. Whether the slum is prone to flooding due to rains	Not
5. Frequency of garbage Disposal	Partially
6. Arrangement for Global Disposal	Daily
7. Frequency of clearance open drains	Municipal staff
8. Approach Road/Lane/Constructed Path to Slum	Once in 7 days
9. Distance from the nearest Motorable road	Motorable Pucca
10. Internal Road	Less than 0.5 km
	Non-motorable Concrete

11. Whether Street light facility is available in the Slum	Yes
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**15. VIVEKANANDANAGAR BUSTEE**

Physical Infrastructure	
1. Connectivity to City-wide Water Supply System	Status
2. Connectivity to City-wide Strom-water Drainage Supply System	connected
3. Connectivity to City-wide Sewerage System	connected
4. Whether the slum is prone to flooding due to rains	Not Partially
5. Frequency of garbage Disposal	Daily
6. Arrangement for Global Disposal	Municipal staff
7. Frequency of clearance open drains	Once in 7 days
8. Approach Road/Lane/Constructed Path to Slum	Motorable Pucca
9. Distance from the nearest Motorable road	Less than 0.5 km
10. Internal Road	Non-motorable Concrete
11. Whether Street light facility is available in the Slum	Yes

**16. KRISHNAPALLY BUSTEE**

Physical Infrastructure	
1. Connectivity to City-wide Water Supply System	Status
2. Connectivity to City-wide Strom-water Drainage Supply System	connected
3. Connectivity to City-wide Sewerage System	connected
4. Whether the slum is prone to flooding due to rains	Not Partially
5. Frequency of garbage Disposal	Daily
6. Arrangement for Global Disposal	Municipal staff
7. Frequency of clearance open drains	Once in 7 days
8. Approach Road/Lane/Constructed Path to Slum	Motorable Pucca
9. Distance from the nearest Motorable road	Less than 0.5 km
10. Internal Road	Non-motorable Concrete
11. Whether Street light facility is available in the Slum	Yes

**17. VIVEKANANDANAGAR BUSTEE**

Physical Infrastructure	
1. Connectivity to City-wide Water Supply System	Status
2. Connectivity to City-wide Strom-water Drainage Supply System	connected
3. Connectivity to City-wide Sewerage System	connected
4. Whether the slum is prone to flooding due to rains	Not Partially
5. Frequency of garbage Disposal	Daily
6. Arrangement for Global Disposal	Municipal staff
7. Frequency of clearance open drains	Once in 7 days

8. Approach Road/Lane/Constructed Path to Slum	Motorable Pucca
9.Distance from the nearest Motorable road	Less than 0.5 km
10.Internal Road	Non-motorable Concrete
11.Whether Street light facility is available in the Slum	Yes

#### 18. RANI ROAD BUSTEE

Physical Infrastructure	Status
1. Connectivity to City-wide Water Supply System	connected
2. Connectivity to City-wide Strom-water Drainage Supply System	connected
3. Connectivity to City-wide Sewerage System	Not
4.Whether the slum is prone to flooding due to rains	Partially
5. Frequency of garbage Disposal	Daily
6. Arrangement for Global Disposal	Municipal staff
7. Frequency of clearance open drains	Once in 7 days
8. Approach Road/Lane/Constructed Path to Slum	Motorable Pucca
9.Distance from the nearest Motorable road	Less than 0.5 km
10.Internal Road	Non-motorable Concrete
11.Whether Street light facility is available in the Slum	Yes

#### 19. SREEPUR BUSTEE

Physical Infrastructure	Status
1. Connectivity to City-wide Water Supply System	connected
2. Connectivity to City-wide Strom-water Drainage Supply System	connected
3. Connectivity to City-wide Sewerage System	Not
4.Whether the slum is prone to flooding due to rains	Partially
5. Frequency of garbage Disposal	Daily
6. Arrangement for Global Disposal	Municipal staff
7. Frequency of clearance open drains	Once in 7 days
8. Approach Road/Lane/Constructed Path to Slum	Motorable Pucca
9.Distance from the nearest Motorable road	Less than 0.5 km
10.Internal Road	Non-motorable Concrete
11.Whether Street light facility is available in the Slum	Yes

#### 20. BIRESH PALLY BUSTEE

Physical Infrastructure	Status
1. Connectivity to City-wide Water Supply System	connected
2. Connectivity to City-wide Strom-water Drainage Supply System	connected
3. Connectivity to City-wide Sewerage System	Not
4.Whether the slum is prone to flooding due to rains	Partially

5. Frequency of garbage Disposal	Daily
6. Arrangement for Global Disposal	Municipal staff
7. Frequency of clearance open drains	Once in 7 days
8. Approach Road/Lane/Constructed Path to Slum	Motorable Pucca
9.Distance from the nearest Motorable road	Less than 0.5 km
10.Internal Road	Non-motorable Concrete
11.Whether Street light facility is available in the Slum	Yes

### 21. DEBIGARH NORTH BUSTEE

Physical Infrastructure	
1. Connectivity to City-wide Water Supply System	Status
2. Connectivity to City-wide Strom-water Drainage Supply System	connected
3. Connectivity to City-wide Sewerage System	connected
4.Whether the slum is prone to flooding due to rains	Not
	Partially
5. Frequency of garbage Disposal	Daily
6. Arrangement for Global Disposal	Municipal staff
7. Frequency of clearance open drains	Once in 7 days
8. Approach Road/Lane/Constructed Path to Slum	Motorable Pucca
9.Distance from the nearest Motorable road	Less than 0.5 km
10.Internal Road	Non-motorable Concrete
11.Whether Street light facility is available in the Slum	Yes

### 22. DAKSHIN BIRESHPALLY BUSTEE

1. Connectivity to City-wide Water Supply System	connected
2. Connectivity to City-wide Strom-water Drainage Supply System	connected
3. Connectivity to City-wide Sewerage System	Not
4.Whether the slum is prone to flooding due to rains	Partially
5. Frequency of garbage Disposal	Daily
6. Arrangement for Global Disposal	Municipal staff
7. Frequency of clearance open drains	Once in 7 days
8. Approach Road/Lane/Constructed Path to Slum	Motorable Pucca
9.Distance from the nearest Motorable road	Less than 0.5 km
10.Internal Road	Non-motorable Concrete
11.Whether Street light facility is available in the Slum	Yes

### 23. BANSH BAGAN EAST & WEST BUSTEE

1. Connectivity to City-wide Water Supply System	connected
2. Connectivity to City-wide Strom-water Drainage Supply System	connected
3. Connectivity to City-wide Sewerage System	Not

4. Whether the slum is prone to flooding due to rains	Partially
5. Frequency of garbage Disposal	Daily
6. Arrangement for Global Disposal	Municipal staff
7. Frequency of clearance open drains	Once in 7 days
8. Approach Road/Lane/Constructed Path to Slum	Motorable Pucca
9. Distance from the nearest Motorable road	Less than 0.5 km
10. Internal Road	Non-motorable Concrete
11. Whether Street light facility is available in the Slum	Yes

#### 24. KHUDIRAMPALLY BUSTEE

1. Connectivity to City-wide Water Supply System	connected
2. Connectivity to City-wide Strom-water Drainage Supply System	connected
3. Connectivity to City-wide Sewerage System	Not
4. Whether the slum is prone to flooding due to rains	Partially
5. Frequency of garbage Disposal	Daily
6. Arrangement for Global Disposal	Municipal staff
7. Frequency of clearance open drains	Once in 7 days
8. Approach Road/Lane/Constructed Path to Slum	Motorable Pucca
9. Distance from the nearest Motorable road	Less than 0.5 km
10. Internal Road	Non-motorable Concrete
11. Whether Street light facility is available in the Slum	Partially

#### 25. GANGANAGAR 2 No. COLONY BUSTEE

1. Connectivity to City-wide Water Supply System	connected
2. Connectivity to City-wide Strom-water Drainage Supply System	connected
3. Connectivity to City-wide Sewerage System	Not
4. Whether the slum is prone to flooding due to rains	Partially
5. Frequency of garbage Disposal	Daily
6. Arrangement for Global Disposal	Municipal staff
7. Frequency of clearance open drains	Once in 7 days
8. Approach Road/Lane/Constructed Path to Slum	Motorable Pucca
9. Distance from the nearest Motorable road	Less than 0.5 km
10. Internal Road	Non-motorable Concrete
11. Whether Street light facility is available in the Slum	Yes

#### 26. GHOSHPARA SAHARA BUSTEE

1. Connectivity to City-wide Water Supply System	connected
2. Connectivity to City-wide Strom-water Drainage Supply System	connected
3. Connectivity to City-wide Sewerage System	Not



4. Whether the slum is prone to flooding due to rains	Partially
5. Frequency of garbage Disposal	Daily
6. Arrangement for Global Disposal	Municipal staff
7. Frequency of clearance open drains	Once in 7 days
8. Approach Road/Lane/Constructed Path to Slum	Motorable Pucca
9. Distance from the nearest Motorable road	Less than 0.5 km
10. Internal Road	Non-motorable Concrete
11. Whether Street light facility is available in the Slum	Yes
<b>22. DAKSHIN BIRESHPALLY BUSTEE</b>	
1. Connectivity to City-wide Water Supply System	connected
2. Connectivity to City-wide Strom-water Drainage Supply System	connected
3. Connectivity to City-wide Sewerage System	Not
4. Whether the slum is prone to flooding due to rains	Partially
5. Frequency of garbage Disposal	Daily
6. Arrangement for Global Disposal	Municipal staff
7. Frequency of clearance open drains	Once in 7 days
8. Approach Road/Lane/Constructed Path to Slum	Motorable Pucca
9. Distance from the nearest Motorable road	Less than 0.5 km
10. Internal Road	Non-motorable Concrete
11. Whether Street light facility is available in the Slum	Yes



  
 Chairman  
 Madhyamgram Municipality  
 North 24-Paraganas

From USHA Data

From Demand Survey of PMAY

New Ward Number	Slum Code	Slum Name	Number of total Households (including pucca)	AREA in Sq Mtr	SC	ST	Minority	Physical location	Ownership of Land	Prone to flooding	Household Density per Hectare (From USHA)	Tenability (Yes/no)	Land Value (Z1 is high and Z4 is low)	Ownership details ( Question no- 6 from demand Survey)			Type of house based on Roof (Question no- 7 from Demand survey question Number Z1)							
														Own	Rented	Otherwise	Sam- Pucca	Katcha	PPP	CLSS	AHP	BLC		
W1	55		264	0.063	94	0	2	Firnge	Private ownership	No	4190.48	Yes		214	0	0	0	171	43	0	0	0	214	
W1	56	Ricksaw Colony	217	0.047	43	0	8	Firnge	Private ownership	No	4617.02	Yes		3	0	0	0	2	1	0	0	0	0	3
W1	57	Raipur Tanul Tala	132	0.069	6	0	0	Firnge	Private ownership	No	1913.04	Yes		236	0	0	0	221	15	0	0	0	0	236
W1	58	Nadi Bhag	251	0.033	13	0	0	Firnge	Private ownership	No	7606.06	Yes		150	0	0	0	122	28	0	0	0	0	150
W1	59	Nadibhag And Mollapara Bustee	135	0.1712	5	0	0	Firnge	Private ownership	No	788.55	Yes		58	0	0	0	44	14	0	0	0	0	58
W2	62	Digberia	279	0.009	3	0	9	Firnge	Private ownership	No	31000.00	Yes		174	0	0	0	174	0	0	0	0	0	174
W2	63	Nautan Pally	26	0.026	4	0	0	Firnge	Private ownership	No	1000.00	Yes		127	0	0	0	107	20	0	0	0	0	127
W2	64	Kaiputra Para	29	0.007	8	0	1	Firnge	Private ownership	No	4142.86	Yes		24	0	0	0	18	6	0	0	0	0	24
W2	65	Patuli Main Road Bustee	26	1	10	0	0	Firnge	Private ownership	No	26.00	Yes		77	0	0	0	62	15	0	0	0	0	77
W3	60	Patuli Shribala	122	0.11	17	0	1	Firnge	Private ownership	No	1109.09	Yes		126	0	0	0	112	14	0	0	0	0	126
W3	61	Patuli Muthpara	26	0.12	4	0	0	Firnge	Private ownership	No	216.67	Yes		117	0	0	0	90	27	0	0	0	0	117
W3	65	Patuli Main Road Bustee	14	0.426					Private ownership		32.86			153	0	0	0	90	63	0	0	0	0	153
W4	47	School Para 16 Feet	22	0.019	7	0	0	Firnge	Private ownership	No	1157.89	Yes		30	0	0	0	22	8	0	0	0	0	30
W4	48	Kalabagan	12	0.009	2	0	0	Firnge	Private ownership	No	1333.33	Yes		18	0	0	0	12	6	0	0	0	0	18
W4	52	Ramkrishna Pally	113	0.014	61	0	0	Firnge	Private ownership	No	8071.43	Yes		103	0	0	0	103	0	0	0	0	0	103
W4	53	Sarada Pally	91	0.014	22	0	0	Firnge	Private ownership	No	6500.00	Yes		45	0	0	0	29	16	0	0	0	0	45
W5	41	Tuntetpara Mandir Para	26	0.046	10	0	0	Firnge	Private ownership	No	565.22	Yes		25	0	0	0	23	2	0	0	0	0	25
W5	42	Sardar Pally	11	0.156	11	0	0	Firnge	Private ownership	No	70.51	Yes		147	0	0	0	117	30	0	0	0	0	147
W5	43	Purba Udayrajpur (East Udaypur)	11	0.053	1	0	0	Firnge	Private ownership	No	207.55	Yes		53	0	0	0	48	5	0	0	0	0	53

Slum Code	Slum Name	Number of Total Households (including pucca)	AREA in Sq mt	ST	Minority	Physical location	Ownership of Land	Prone to flooding	Household Density per Hectare (From USHA)	Tenability (Yes/No)	Land Value (Z1 as high and Z4 as low)	Own	Rented	Otherwise	Semi-Pucca	Katcha	PPP	CLSS	AHP	BLC	
W5	Loknath Nagar	24	0.105	6	0	Fringe	Private ownership	No	228.57	Yes		35	0	0	32	3	0	0	0	0	35
W5	Tante Para	161	0.103	32	1	Fringe	Private ownership	No	1563.11	Yes		112	0	0	51	61	0	0	0	0	112
W5	East Udayarajpur Bustee	99	0.108	12	0	Fringe	Private ownership	No	916.67	Yes		54	0	0	49	5	0	0	0	0	54
W6	Singer Pukur	27	0.033	3	0	Fringe	Private ownership	No	818.18	Yes		22	0	0	20	2	0	0	0	0	22
W6	Abdulpur Colony	13	0.025	13	0	Fringe	Private ownership	No	520.00	Yes		15	0	0	11	4	0	0	0	0	15
W6	Vivekananda Nagar	42	0.05	12	0	Fringe	Private ownership	No	840.00	Yes		71	0	0	26	45	0	0	0	0	71
W6	Aambagan Bustee	18	0.0347	3	0	Fringe	Private ownership	No	518.73	Yes		7	0	0	7	0	0	0	0	0	7
W7	Panch Para	107	0.012	2	0	Fringe	Private ownership	No	8916.67	Yes		20	0	0	20	0	0	0	0	0	20
W7	Humapur Panch Pukur	39	0.006	0	0	Fringe	Private ownership	No	6500.00	Yes		314	0	0	280	34	0	0	0	0	314
W7	Bansh Bagan	15	0.028	0	0	Fringe	Private ownership	No	535.71	Yes		21	0	0	0	21	0	0	0	0	21
W7	Sreenagar II & III No. Road Bustee	28	0.202	0	0	Fringe	Private ownership	No	138.61	Yes		147	0	0	121	26	0	0	0	0	147
W8	Rabindra Nagar Dakshin	183	0.017	15	0	Fringe	Private ownership	No	10764.71	Yes		91	0	0	80	11	0	0	0	0	91
W8	Street Nagar I No. Daspara	161	0.018	5	0	Fringe	Private ownership	No	8944.44	Yes		44	0	0	44	0	0	0	0	0	44
W8	Street Nagar I No.	167	0.022	35	0	Fringe	Private ownership	No	7590.91	Yes		14	0	0	12	2	0	0	0	0	14
W8	Bansh Bagan	89	0.0032	10	0	Fringe	Private ownership	No	27812.50	Yes		47	0	0	32	15	0	0	0	0	47
W8	Anandaioke	32	0.0018	11	6	Fringe	Private ownership	No	17777.78	Yes		3	0	0	3	0	0	0	0	0	3
W8	Hospital Para	52	0.0004	8	21	Fringe	Private ownership	No	130000.00	Yes		17	0	0	14	3	0	0	0	0	17
W8	Mahuri Bustee	23	0.002	7	0	Fringe	Private ownership	No	11500.00	Yes		0	0	0	0	0	0	0	0	0	0
W8	Sreenagar I No. Road Bustee	43	0.121	13	0	Fringe	Private ownership	No	355.37	Yes		51	0	0	41	10	0	0	0	0	51
W9	Pyara Bagan	472	0.067	68	0	Fringe	Private ownership	No	7044.78	Yes		68	0	0	49	10	0	0	0	0	59
W9	Methopara Uttar Madhya	16	0.028	0	10	Fringe	Private ownership	No	571.43	Yes		93	0	0	73	20	0	0	0	0	93

New Ward Number	Slum Code / Slum Name	Number of Total Households (including pucca)	AREA in Sq mt	SC	ST	Minority	Physical location	Ownership of Land	Prono to flooding	Household Density per Hectare (from USHA)	Tenability (Year/no)	Land Value (Z1 is high and Z4 is low)	Own	Rented	Otherwise	Semi-Pucca	Katcha	PPP	CLSS	AHP	BLC
W9	80 Milan Pally	192	0.015	72	4	0	Fringe	Private ownership	No	12800.00	Yes		187	0	0	152	35	0	0	0	187
W9	81 Habul Nagar	404	0.033	99	7	21	Fringe	Private ownership	No	12242.42	Yes		149	0	0	127	22	0	0	0	149
W9	82 Milan Pally East & South Bustee	740	0.293	88	28	8	Fringe	Private ownership	No	2525.60	Yes		101	0	0	81	20	0	0	0	101
W10	107 Dhaka Para	12	0.04	0	0	0	Fringe	Private ownership	No	300.00	Yes		13	0	0	8	5	0	0	0	13
W10	108 Pal Para	48	0.004	6	0	0	Fringe	Private ownership	No	12000.00	Yes		20	0	0	18	2	0	0	0	20
W10	109 Bankimpally Bustee	164	0.192	19	0	0	Fringe	Private ownership	No	823.29	Yes		61	0	0	61	0	0	0	0	61
W12	38 Ghosh Para	101	0.0183	17	0	0	Fringe	Private ownership	No	5519.13	Yes		33	0	0	32	1	0	0	0	33
W12	39 Adibaspura	29	0.0122	13	0	4	Fringe	Private ownership	No	2377.05	Yes		10	0	0	8	2	0	0	0	10
W12	40 Udayarajpur West	75	0.26	12	16	0	Fringe	Private ownership	No	288.46	Yes		6	0	0	6	0	0	0	0	6
W13	30 Gandhi Pally Sukama Nagar	112	0.011	38	1	1	Fringe	Private ownership	No	10181.52	Yes		57	0	0	39	18	0	0	0	57
W13	31 Indraprastha	21	0.015	7	0	0	Fringe	Private ownership	No	1400.00	Yes		17	0	0	11	6	0	0	0	17
W13	32 Baisali	24	0.018	6	1	0	Fringe	Private ownership	No	1333.33	Yes		23	0	0	19	4	0	0	0	23
W13	33 Amrabati	20	0.03	4	16	0	Fringe	Private ownership	No	666.67	Yes		38	0	0	32	6	0	0	0	38
W13	34 Santal Para	24	0.008	0	24	0	Fringe	Private ownership	No	3000.00	Yes		0	0	0	0	0	0	0	0	0
W13	35 Bipin Bihari School Road	30	0.026	4	1	3	Fringe	Private ownership	No	1153.85	Yes		16	0	0	12	4	0	0	0	16
W13	36 Dhabandhurad Bustee	36	0.079	14	0	1	Fringe	Private ownership	No	455.70	Yes		36	0	0	33	3	0	0	0	36
W14	1 Adibasi Sardarpara Kargil	75	0.03	59	16	0	Fringe	Private ownership (State Govt. & W)	No	2500.00	Yes (partly No)		43	0	47	71	19	0	0	0	90
W14	2 Nabarun Pally	402	0.46	116	5	21	Fringe	Private ownership	No	873.91	Yes		124	0	0	44	80	0	0	0	124
W14	3 Netaji Pally (East Bipin Bihari School)	164	0.043	86	1	1	Fringe	Private ownership	No	3813.95	Yes		135	0	1	47	89	0	0	0	136
W14	4 Patra Para (Part)	41	0.007	27	0	2	Fringe	Private ownership	No	5857.14	Yes		50	0	4	50	4	0	0	0	54

Slum Code	Slum Name	Number of Total Households (including pucca)	AREA in Sq mt	SC	ST	Minority	Physical Location	Ownership of Land	Promote flooding	Household Density per Hectare (From USHA)	Tenability (Year)	Land Value (Z1 is high and Z4 is low)	Own	Rented	Otherwise	Semi-Pucca	Katcha	CLSS	AIP	BLC	
W14	5 Kora Main Road Bustee	21	0.1126			21	Fimge	Private ownership	No	186.50	Yes		35	0	2	32	5	0	0	0	37
W15	6 Patrapara (Part)	25	0.015	21			Fimge	Private ownership	No	1666.67	Yes		89	0	0	81	8	0	0	0	89
W15	7 Panihara	66	0.02	26	2	38	Fimge	Private ownership	No	3300.00	Yes		113	0	0	99	14	0	0	0	113
W15	8 Purbachal 2	281	0.024	156	0	2	Fimge	Private ownership	No	11708.33	Yes		92	0	0	53	39	0	0	0	92
W15	9 Ramkrishna Pally	23	0.035	23			Fimge	Private ownership (State Govt. & I&W)	No	657.14	Yes		37	0	0	32	5	0	0	0	37
W15	10 Babu Para North And Vidyasagar Pally	402	0.04	194	26	11	Fimge	Private ownership	No	10050.00	Yes		23	0	0	23	0	0	0	0	23
W15	11 West Sarder Para	60	0.071	47	3		Fimge	Private ownership	No	845.07	Yes		42	0	0	31	11	0	0	0	42
W15	13 Uttarpara Majher Para	589	0.04	77	7	7	Fimge	Private ownership	No	14725.00	Yes		57	0	0	57	0	0	0	0	57
W15	14 Kora Panihara Main Road Bustee	72	0.1147	0	0	0	Fimge	Private ownership	No	627.72	Yes		0	0	0	0	0	0	0	0	0
W16	16 Khalpar	256	0.003	23	0	4	Fimge	Private ownership	No	8533.33	Yes		21	0	0	8	13	0	0	0	21
W16	17 Kora Main Road	280	0.01	60	0	1	Fimge	Private ownership	No	28000.00	Yes		149	0	0	119	30	0	0	0	149
W16	19 Vivekananda Colony	241	0.024	36	0	0	Fimge	Private ownership	No	10041.67	Yes		125	0	0	60	65	0	0	0	125
W16	20 West Chandigarh Bustee	18	0.073	3	0	2	Fimge	Private ownership	No	246.58	Yes		203	0	0	174	29	0	0	0	203
W17	15 New Khulnapally Khalpar	247	0.002	46	0	12	Fimge	Private ownership	No	123500.00	Yes		218	0	0	190	28	0	0	0	218
W17	12 Krishna Pally	282	0.0563	22	0	3	Fimge	Private ownership	No	5008.88	Yes		136	0	0	45	91	0	0	0	136
W17	18 Das Para	450	0.036	251	1	7	Fimge	Private ownership	No	12500.00	Yes		45	0	0	35	10	0	0	0	45
W18	21 Baikantia Road Khalpar	25	0.025	8	0	0	Fimge	Private ownership	No	1000.00	Yes		0	0	0	0	0	0	0	0	0
W18	22 Vivekananda Nagar Uttar	220	0.034	26	0	2	Fimge	Private ownership	No	6470.59	Yes		28	0	0	24	4	0	0	0	28
W18	23 Subhash Garh	56	0.066	0	0	1	Fimge	Private ownership	No	848.48	Yes		26	0	0	20	6	0	0	0	26
W18	24 Bharat Nagar	85	0.011	0	0	0	Fimge	Private ownership	No	7727.27	Yes		11	0	0	11	0	0	0	0	11

New Ward Number	Slum Code	Slum Name	Number of total Households (including pucca)	AREA in Sq. Mtr	SC	ST	Minority	Physical location	Ownership of Land	Prone to flooding	Household Density per Hectare (From USHA)	Tenability (Yes/no)	Land Value (Z1 is high and Z4 is low)	Own	Rented	Otherwise	Semi-Pucca	Katcha	PPP	CLASS	AHP	BLC	
W18	25	Durgabari Road And Khalpar Bustec	38	0.027	1	0	0	Fimge	Private ownership	No	1407.41	Yes		46	0	0	40	6	0	0	0	46	
W19	26	Desbandhu Road Khalpar	174	0.013	0	0	3	Fimge	Private ownership	No	13384.62	Yes		102	0	0	89	13	0	0	0	102	
W19	27	Bustec Near Nabajiban	26	0.021	0	0	0	Fimge	Private ownership	No	1238.10	Yes		9	0	0	6	3	0	0	0	9	
W19	28	Ram Road	34	0.0073	5	0	0	Fimge	Private ownership(State Govt.&W)	No	4657.53	Yes		14	0	0	14	0	0	0	0	14	
W19	29	Arabinda Road Bustec	22	0.109	1	0	1	Fimge	Private ownership	No	201.83	Yes		29	0	0	22	7	0	0	0	29	
W20	116	Rabindra Pally Khalpar	80	0.012	40	0	1	Fimge	Private ownership	No	6666.67	Yes		33	0	0	30	3	0	0	0	33	
W20	117	Sripur Patrapara	83	0.0007	36	0	5	Fimge	Private ownership	No	116571.43	Yes		20	0	0	16	4	0	0	0	20	
W20	118	Sreepur Rabindrapally Bustec	29	0.0695	12	0	0	Fimge	Private ownership	No	417.27	Yes		0	0	0	0	0	0	0	0	0	
W21	113	Subhaspally Khalpar Garh	57	0.0071	18	0	0	Fimge	Private ownership	No	8028.17	Yes		29	0	0	29	0	0	0	0	0	29
W21	114	Biresh Pally North	278	0.006	5	3	12	Fimge	Private ownership	No	46333.33	Yes		39	0	0	31	8	0	0	0	39	
W21	115	Madhayanagram Mainroad Bustec	16	0.063	0	0	0	Fimge	Private ownership	No	253.97	Yes		12	0	0	12	0	0	0	0	12	
W22	37	Debigarh North Bustec	12	0.083	7	0	0	Fimge	Private ownership	No	144.58	Yes		20	47	0	14	53	0	0	0	67	
W23	110	Paschim Bankimpally	190	0.004	17	0	0	Fimge	Private ownership	No	47500.00	Yes		40	0	0	33	7	0	0	0	40	
W23	111	Dakshin Biresh Pally	35	0.003	7	1	12	Fimge	Private ownership	No	11666.67	Yes		39	0	0	35	4	0	0	0	39	
W23	112	Vidayasagar Sarani Bustec	19	0.0791	1	0	0	Fimge	Private ownership	No	240.20	Yes		71	0	0	52	19	0	0	0	71	
W24	99	Doltala Dakhuin Adibasi Para	15	0.01	8	0	0	Fimge	Private ownership	No	1500.00	Yes		21	0	0	19	2	0	0	0	21	
W24	100	Barrisal Pally	19	0.008	10	0	0	Fimge	Private ownership	No	2375.00	Yes		18	0	0	16	2	0	0	0	18	
W24	101	Bidhan Pally Adibasipara	107	0.0108	65	15	1	Fimge	Private ownership	No	9907.41	Yes		12	0	0	12	0	0	0	0	12	
W24	102	Sarder Para	136	0.018	70	5	3	Fimge	Private ownership	No	7555.56	Yes		51	0	0	45	6	0	0	0	51	
W24	103	Barrisal Pally Bans Bagan East West	109	0.006	29	0	0	Fimge	Private ownership	No	18166.67	Yes		23	0	0	19	4	0	0	0	23	

New Ward Number	Slum Code	Slum Name	Number of total Households (including pucca)	AREA in Sq Mt	SC	ST	Minority	Physical location	Ownership of Land	Prono to Flooding	Household Density per Hectare (From USHA)	Tenability (Year/no)	Land Value (Z1 as high and Z4 as low)	Own	Rented	Otherwise	Semi-Pucca	Katcha	PPP	CLSS	AHP	BLC
W24	104	Sahid Tirba Colony	21	0.008	9	0	0	Fringe	Private ownership	No	2625.00	Yes		8	0	0	2	6	0	0	0	8
W24	105	Pir Colony	32	0.006	7	0	0	Fringe	Private ownership	No	5333.33	Yes		26	0	0	21	5	0	0	0	26
W24	106	Bidhan Pally Main Road Bustee	31	0.167	11	0	0	Fringe	Private ownership	No	185.63	Yes		67	0	0	67	0	0	0	0	67
W25	83	Nandanakanan (West)	225	0.019	38	21	11	Fringe	Private ownership	No	11842.11	Yes		81	0	0	61	20	0	0	0	81
W25	84	Khudirampally (Noapara)	47	0.12	0	0	0	Fringe	Private ownership	No	391.67	Yes		16	0	0	14	2	0	0	0	16
W25	85	Adbasi Mecho Para	233	0.017	22	3	2	Fringe	Private ownership	No	13705.88	Yes		173	0	0	155	18	0	0	0	173
W25	86	Noapara Bustee	143	0.103	1	0	18	Fringe	Private ownership	No	1388.35	Yes		74	0	0	68	6	0	0	0	74
W26	87	Scout Para	117	0.014	87	0	0	Fringe	Private ownership(State Govt.&W)	No	8357.14	Yes		52	0	0	48	4	0	0	0	52
W26	88	Ganga Nagar 2no. Colony	139	0.015	13	0	0	Fringe	Private ownership	No	9266.67	Yes		44	0	0	37	7	0	0	0	44
W26	89	Ghosh Para	424	0.0007	40	12	4	Fringe	Private ownership	No	605714.29	Yes		115	0	0	100	15	0	0	0	115
W26	90	Ganganagar Bustee	34	0.275	0	0	0	Fringe	Private ownership	No	123.64	Yes		55	0	0	49	6	0	0	0	55
W27	95	Pal Para	35	0.017	32	0	0	Fringe	Private ownership(State Govt.&W)	No	2058.82	No		7	0	0	7	0	0	0	0	7
W27	96	Ghosh Para Sahara	23	0.014	13	0	0	Fringe	Private ownership	No	1642.86	Yes		34	0	0	31	3	0	0	0	34
W27	97	School Para	158	0.011	7	1	0	Fringe	Private ownership	No	14363.64	No		13	0	0	0	13	0	0	0	13
W27	98	Sahara Bustee	20	0.077	3	0	1	Fringe	Private ownership	No	258.74	Yes		42	0	0	11	31	0	0	0	42
W28	91	Michaal Nagar Khalpaar(N)	64	0.005	54	0	0	Fringe	Private ownership(State Govt.&W)	No	12800.00	No		45	0	0	39	6	0	0	0	45
W28	92	Green Park	18	0.006	2	0	1	Fringe	Private ownership(State Govt.&W)	No	3000.00	No		50	0	0	34	16	0	0	0	50
W28	93	Adbasi Pally	17	0.01	8	0	0	Fringe	Private ownership	No	1700.00	Yes		18	0	0	18	0	0	0	0	18
W28	94	Michel Nagar Khalpaar Bustee (S)	55	0.115	55	0	0	Fringe	Private ownership(State Govt.&W)	No	478.26	No		44	0	0	38	6	0	0	0	44

Non Slum Urban Poor Data

	Land ownership			Housing Status		Homeless, if any	Beneficiary-led Construction	Credit Linked Subsidy	Affordable Housing in Partnership	Existing Housing shortage (H+t+J)
	Own	Rented	Otherwise	Semi pucca	Kutchha					
Ward 1	0	0	0	0	0	0	0	0	0	0
Ward 2	0	0	0	0	0	0	0	0	0	0
Ward 3	0	0	0	0	0	0	0	0	0	0
Ward 4	0	0	0	0	0	0	0	0	0	0
Ward 5	0	0	0	0	0	0	0	0	0	0
Ward 6	0	0	0	0	0	0	0	0	0	0
Ward 7	0	0	0	0	0	0	0	0	0	0
Ward 8	99	1	0	95	5	0	100	0	0	100
Ward 9	0	0	0	0	0	0	0	0	0	0
Ward 10	13	0	0	13	0	0	13	0	0	13
Ward 11	15	0	0	0	0	0	15	0	0	15
Ward 12	66	4	2	72	9	0	72	0	0	72
Ward 13	0	0	0	0	0	0	0	0	0	0
Ward 14	0	0	0	0	0	0	0	0	0	0
Ward 15	2	0	0	2	0	0	2	0	0	2
Ward 16	1	0	0	1	0	0	1	0	0	1
Ward 17	0	0	0	0	0	0	0	0	0	0
Ward 18	0	0	0	0	0	0	0	0	0	0
Ward 19	1	0	0	1	0	0	1	0	0	1
Ward 20	0	0	0	0	0	0	0	0	0	0
Ward 21	15	0	0	12	3	0	15	0	0	15
Ward 22	0	0	0	0	0	0	0	0	0	0
Ward 23	0	0	0	0	0	0	0	0	0	0
Ward 24	6	0	0	4	2	0	6	0	0	6
Ward 25	0	0	0	0	0	0	0	0	0	0
Ward 26	1	0	0	0	0	0	1	0	0	1
Ward 27	178	0	28	180	26	0	206	0	0	206
Ward 28	80	1	4	74	11	0	85	0	0	85



*Sumit*  
**Chairman**  
 Madhyamgram Municipality  
 North 24-Parganas



Year	Future projected urban Poor HHS
2015	305
2016	305
2017	305
2018	305
2019	305
2020	305
2021	305
2022	305

Note: Base data Taken from CAGR Standard  
Method (State Plan of Action)



*Rishabh*

**Chairman**  
**Madhyamgram Municipality**  
**North 24-Parganas**

### I. Slum-wise Intervention strategies for Tenable Slums

Name of the Slum	Area of the Slum in sq.mts	Total No. of Slum Households as per .....	Eligible Slum Households	Whether 'in-situ' redevelopment with Private Participation	Required Area for in-situ Redevelopment in Sq.mts	FSI/FAR		Name of other slum if proposed for resettlement in this slum	Proposed Year of Intervention
						Existing	Proposed		
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Note: \* Please mention source of data



*Russash*

**Chairman**  
**Madhyamgram Municipality**  
**North 24-Parganas**

II. Slum-wise Intervention strategies for Untenable Slums and Non-PPP Slums

Name of the Slum	Slum Code	Area of the Slum in sq. mtrs	Total No. of Slum Households as per USHA DATA	Number of Beneficiary as per Demand Survey Format B	Proposed Development Strategy				Proposed Year of Intervention
					i. Affordable Housing Project (AHP)	ii. Credit Linked Subsidy Scheme (CLSS)	iii. Beneficiary Led Construction	iv. Clustering with other Tenable Slums**	
Adibasi Sardarpara Kargil	1	0.03	75	90	Beneficiary Led Construction			2015-16 TO 2020-21	
Nabarun Pally	2	0.46	402	124	Beneficiary Led Construction			2015-16 TO 2020-21	
Netaji Pally(East Bipin Bihari School)	3	0.043	164	136	Beneficiary Led Construction			2015-16 TO 2020-21	
Patra Para (Part)	4	0.007	41	54	Beneficiary Led Construction			2015-16 TO 2020-21	
Kora Main Road Bustee	5	0.1126	21	37	Beneficiary Led Construction			2015-16 TO 2020-21	
Patrapara (Part)	6	0.015	25	89	Beneficiary Led Construction			2015-16 TO 2020-21	
Pamhara	7	0.02	66	113	Beneficiary Led Construction			2015-16 TO 2020-21	
Purbachal 2	8	0.024	281	92	Beneficiary Led Construction			2015-16 TO 2020-21	
Ramkrishna Pally	9	0.035	23	37	Beneficiary Led Construction			2015-16 TO 2020-21	
Babu Para North And Vidyasagar Pally	10	0.04	402	23	Beneficiary Led Construction			2015-16 TO 2020-21	
West Sarder Para	11	0.071	60	42	Beneficiary Led Construction			2015-16 TO 2020-21	
Krishna Pally	12	0.0563	282	136	Beneficiary Led Construction			2015-16 TO 2020-21	
Utarpara Majher Para	13	0.04	589	57	Beneficiary Led Construction			2015-16 TO 2020-21	
Kora Panhara Main Road Bustee	14	0.1147	72	0	Beneficiary Led Construction			2015-16 TO 2020-21	
New Khulmapally Khalpar	15	0.002	247	218	Beneficiary Led Construction			2015-16 TO 2020-21	
Khalpar	16	0.003	256	21	Beneficiary Led Construction			2015-16 TO 2020-21	
Kora Main Road	17	0.01	280	149	Beneficiary Led Construction			2015-16 TO 2020-21	
Das Para	18	0.036	450	45	Beneficiary Led Construction			2015-16 TO 2020-21	
Vivekananda Colony	19	0.024	241	125	Beneficiary Led Construction			2015-16 TO 2020-21	
West Chandigarh Bustee	20	0.073	18	203	Beneficiary Led Construction			2015-16 TO 2020-21	
Baikantha Road Khalpar	21	0.025	25	0	Beneficiary Led Construction			2015-16 TO 2020-21	
Vivekananda Nagar Uttar	22	0.034	220	28	Beneficiary Led Construction			2015-16 TO 2020-21	
Subhash Garh	23	0.066	56	26	Beneficiary Led Construction			2015-16 TO 2020-21	
Bharat Nagar	24	0.011	85	11	Beneficiary Led Construction			2015-16 TO 2020-21	
Durgabari Road And Khalpar Bustee	25	0.027	38	46	Beneficiary Led Construction			2015-16 TO 2020-21	
Deshandhu Road Khalpar	26	0.013	174	102	Beneficiary Led Construction			2015-16 TO 2020-21	
Bustee Near Nabajiban	27	0.021	26	9	Beneficiary Led Construction			2015-16 TO 2020-21	
Rani Road	28	0.0073	34	14	Beneficiary Led Construction			2015-16 TO 2020-21	
Arabinda Road Bustee	29	0.109	22	29	Beneficiary Led Construction			2015-16 TO 2020-21	
Gandhi Pally Sukanta Nagar	30	0.011	112	57	Beneficiary Led Construction			2015-16 TO 2020-21	
Indraprastha	31	0.015	21	17	Beneficiary Led Construction			2015-16 TO 2020-21	

ii. Slum-wise intervention strategies for Untenable Slums and Non-PPP Slums

Name of the Slum	Slum Code	Area of the Slum in sq. mtrs	Total No. of Slum Households as per USHA DATA	Number of Beneficiary as per Demand Survey Format B	Proposed Development Strategy				Proposed Year of Intervention
					i. Affordable Housing Project (AHP)	ii. Credit Linked Subsidy Scheme (CLSS)	iii. Beneficiary Led Construction	iv. Clustering with other Tenable Slums**	
Baisali	32	0.018	24	23	Beneficiary Led Construction				2015-16 TO 2020-21
Amrabati	33	0.03	20	38	Beneficiary Led Construction				2015-16 TO 2020-21
Sanjal Para	34	0.008	24	0	Beneficiary Led Construction				2015-16 TO 2020-21
Bipin Bihari School Road	35	0.026	30	16	Beneficiary Led Construction				2015-16 TO 2020-21
Dinabandhuroad Bustee	36	0.079	36	36	Beneficiary Led Construction				2015-16 TO 2020-21
Debigarh North Bustee	37	0.083	12	67	Beneficiary Led Construction				2015-16 TO 2020-21
Ghosh Para	38	0.0183	101	33	Beneficiary Led Construction				2015-16 TO 2020-21
Adibasipara	39	0.0122	29	10	Beneficiary Led Construction				2015-16 TO 2020-21
Udayarajpur West	40	0.26	75	6	Beneficiary Led Construction				2015-16 TO 2020-21
Tuntepara Mandir Para	41	0.046	26	25	Beneficiary Led Construction				2015-16 TO 2020-21
Sarder Pally	42	0.156	11	147	Beneficiary Led Construction				2015-16 TO 2020-21
Purba Udayarajpur (East Udaypur)	43	0.053	11	53	Beneficiary Led Construction				2015-16 TO 2020-21
Loknath Nagar	44	0.105	24	35	Beneficiary Led Construction				2015-16 TO 2020-21
Tunte Para	45	0.103	161	112	Beneficiary Led Construction				2015-16 TO 2020-21
East Udayarajpur Bustee	46	0.108	99	54	Beneficiary Led Construction				2015-16 TO 2020-21
School Para 16 Feet	47	0.019	22	30	Beneficiary Led Construction				2015-16 TO 2020-21
Kalabagan	48	0.009	12	18	Beneficiary Led Construction				2015-16 TO 2020-21
Singer Pukur	49	0.033	27	22	Beneficiary Led Construction				2015-16 TO 2020-21
Abdulpur Colony	50	0.025	13	15	Beneficiary Led Construction				2015-16 TO 2020-21
Vivekananda Nagar	51	0.05	42	71	Beneficiary Led Construction				2015-16 TO 2020-21
Ramkrishna Pally	52	0.014	113	103	Beneficiary Led Construction				2015-16 TO 2020-21
Sarada Pally	53	0.014	91	45	Beneficiary Led Construction				2015-16 TO 2020-21
Aambagan Bustee	54	0.0347	18	7	Beneficiary Led Construction				2015-16 TO 2020-21
Natun Pally	55	0.063	264	214	Beneficiary Led Construction				2015-16 TO 2020-21
Ricksaw Colony	56	0.047	217	3	Beneficiary Led Construction				2015-16 TO 2020-21
Raipur Tatul Tala	57	0.069	132	236	Beneficiary Led Construction				2015-16 TO 2020-21
Nadi Bhag	58	0.033	251	150	Beneficiary Led Construction				2015-16 TO 2020-21
Nadibhag And Mollapara Bustee	59	0.1712	135	58	Beneficiary Led Construction				2015-16 TO 2020-21
Patuli Shibtala	60	0.11	122	126	Beneficiary Led Construction				2015-16 TO 2020-21
Patuli Mathpara	61	0.12	26	117	Beneficiary Led Construction				2015-16 TO 2020-21
Digberta	62	0.009	279	174	Beneficiary Led Construction				2015-16 TO 2020-21
Natun Pally	63	0.026	26	127	Beneficiary Led Construction				2015-16 TO 2020-21

II. Slum-wise Intervention strategies for Untenable Slums and Non-PPP Slums

Name of the Slum	Slum Code	Area of the Slum in sq. mtrs	Total No. of Slum Households as per USHA DATA	Proposed Development Strategy				Proposed Year of Intervention
				i. Affordable Housing Project (AHP)	ii. Credit Linked Subsidy Scheme (CLSS)	iii. Beneficiary Led Construction	iv. Clubbing with other Tenable Slums**	
Kaiputra Para	64	0.007	29	24	Beneficiary Led Construction			2015-16 TO 2020-21
Patuli Main Road Bustee	65	1.426	40	230	Beneficiary Led Construction			2015-16 TO 2020-21
Panch Para	66	0.012	107	20	Beneficiary Led Construction			2015-16 TO 2020-21
Humaipur Panch Pukur	67	0.006	39	314	Beneficiary Led Construction			2015-16 TO 2020-21
Bansh Bagan	68	0.028	15	21	Beneficiary Led Construction			2015-16 TO 2020-21
Sreenagar II & III No. Road Bustee	69	0.202	28	147	Beneficiary Led Construction			2015-16 TO 2020-21
Rabindra Nagar Dakshin	70	0.017	183	91	Beneficiary Led Construction			2015-16 TO 2020-21
Shree Nagar I No. Daspara	71	0.018	161	44	Beneficiary Led Construction			2015-16 TO 2020-21
Shree Nagar I No.	72	0.022	167	14	Beneficiary Led Construction			2015-16 TO 2020-21
Bansh Bagan	73	0.0032	89	47	Beneficiary Led Construction			2015-16 TO 2020-21
Anandaloke	74	0.0018	32	3	Beneficiary Led Construction			2015-16 TO 2020-21
Hospital Para	75	0.0004	52	17	Beneficiary Led Construction			2015-16 TO 2020-21
Muhuri Bustee	76	0.002	23	0	Beneficiary Led Construction			2015-16 TO 2020-21
Sreenagar I No. Road Bustee	77	0.121	43	51	Beneficiary Led Construction			2015-16 TO 2020-21
Pyara Bagan	78	0.067	472	59	Beneficiary Led Construction			2015-16 TO 2020-21
Methopara Uttar Madhya	79	0.028	16	93	Beneficiary Led Construction			2015-16 TO 2020-21
Milan Pally	80	0.015	192	187	Beneficiary Led Construction			2015-16 TO 2020-21
Habul Nagar	81	0.033	404	149	Beneficiary Led Construction			2015-16 TO 2020-21
Milan Pally East & South Bustee	82	0.293	740	101	Beneficiary Led Construction			2015-16 TO 2020-21
Nandankanan (West)	83	0.019	225	81	Beneficiary Led Construction			2015-16 TO 2020-21
Khudirampally (Noapara)	84	0.12	47	16	Beneficiary Led Construction			2015-16 TO 2020-21
Adibasi Metho Para	85	0.017	233	173	Beneficiary Led Construction			2015-16 TO 2020-21
Noapara Bustee	86	0.103	143	74	Beneficiary Led Construction			2015-16 TO 2020-21
Scout Para	87	0.014	117	52	Beneficiary Led Construction			2015-16 TO 2020-21
Ganga Nagar 2no. Colony	88	0.015	139	44	Beneficiary Led Construction			2015-16 TO 2020-21
Ghosh Para	89	0.0007	424	115	Beneficiary Led Construction			2015-16 TO 2020-21
Ganganagar Bustee	90	0.275	34	55	Beneficiary Led Construction			2015-16 TO 2020-21
Michael Nagar Khalpaar(N)	91	0.005	64	45	Beneficiary Led Construction			2015-16 TO 2020-21
Green Park	92	0.006	18	50	Beneficiary Led Construction			2015-16 TO 2020-21
Adibasi Pally	93	0.01	17	18	Beneficiary Led Construction			2015-16 TO 2020-21
Michel Nagar Khalpar Bustee (S)	94	0.115	55	44	Beneficiary Led Construction			2015-16 TO 2020-21
Pal Para	95	0.017	35	7	Beneficiary Led Construction			2015-16 TO 2020-21

II. Slum-wise Intervention strategies for Untenable Slums and Non-PPP Slums

Name of the Slum	Slum Code	Area of the Slum in sq. mtrs	Total No. of Slum Households as per USHA DATA	Number of Beneficiary as per Demand Survey Format B	Proposed Development Strategy				Proposed Year of Intervention
					i. Affordable Housing Project (AHP)	ii. Credit Linked Subsidy Scheme (CLSS)	iii. Beneficiary Led Construction	iv. Clubbing with other Tenable Slums**	
Ghosh Para Sahara	96	0.014	23	34	Beneficiary Led Construction			2015-16 TO 2020-21	
School Para	97	0.011	158	13	Beneficiary Led Construction			2015-16 TO 2020-21	
Sahara Bustee	98	0.077	20	42	Beneficiary Led Construction			2015-16 TO 2020-21	
Doltala Dakhin Adibasi Para	99	0.01	15	21	Beneficiary Led Construction			2015-16 TO 2020-21	
Barisal Pally	100	0.008	19	18	Beneficiary Led Construction			2015-16 TO 2020-21	
Bidhan Pally Adibasipara	101	0.0108	107	12	Beneficiary Led Construction			2015-16 TO 2020-21	
Sarder Para	102	0.018	136	51	Beneficiary Led Construction			2015-16 TO 2020-21	
Barisal Pally Bans Bagan East West	103	0.006	109	23	Beneficiary Led Construction			2015-16 TO 2020-21	
Sahid Tirtha Colony	104	0.008	21	8	Beneficiary Led Construction			2015-16 TO 2020-21	
Pir Colony	105	0.006	32	26	Beneficiary Led Construction			2015-16 TO 2020-21	
Bidhan Pally Main Road Bustee	106	0.167	31	67	Beneficiary Led Construction			2015-16 TO 2020-21	
Dhaka Para	107	0.04	48	13	Beneficiary Led Construction			2015-16 TO 2020-21	
Pal Para	108	0.004	164	20	Beneficiary Led Construction			2015-16 TO 2020-21	
Bankimpally Bustee	109	0.1992	44	61	Beneficiary Led Construction			2015-16 TO 2020-21	
Paschim Bankimpally	110	0.004	190	40	Beneficiary Led Construction			2015-16 TO 2020-21	
Dakshin Bires Pally	111	0.003	35	39	Beneficiary Led Construction			2015-16 TO 2020-21	
Vidayasagar Sarani Bustee	112	0.0791	19	71	Beneficiary Led Construction			2015-16 TO 2020-21	
Subhaspally Khalpar Garh	113	0.0071	57	29	Beneficiary Led Construction			2015-16 TO 2020-21	
Bires Pally North	114	0.006	278	39	Beneficiary Led Construction			2015-16 TO 2020-21	
Madhayagram Mainroad Bustee	115	0.063	16	12	Beneficiary Led Construction			2015-16 TO 2020-21	
Rabindra Pally Khalpar	116	0.012	80	33	Beneficiary Led Construction			2015-16 TO 2020-21	
Sripur Patrapara	117	0.0007	83	20	Beneficiary Led Construction			2015-16 TO 2020-21	
Sreepur Rabindrapally Bustee	118	0.0695	29	0	Beneficiary Led Construction			2015-16 TO 2020-21	

*Rusheen*

### III. Year-wise Proposed Interventions in Slums

Year	Number of Beneficiaries and Central Assistance Required (Rs. in Crores)													
	Redevelopment thru Private Partner Participation*			Beneficiary-led Construction			Credit Linked Subsidy***			Affordable Housing in Partnership			Total	
	No. of Slums	No. of Beneficiaries	Amount	No. of Slums	No. of Beneficiaries	Amount	No. of Slums	No. of Beneficiaries	Amount	No. of Slums	No. of Beneficiaries	Amount	No. of Beneficiaries	Amount
2015-16	NA	NA	NA	117	379	5.69	NA	NA	NA	NA	NA	NA	379	5.69
2016-17	NA	NA	NA	117	1400	21.00	NA	NA	NA	NA	NA	NA	1400	21.00
2017-18	NA	NA	NA	117	1400	21.00	NA	NA	NA	NA	NA	NA	1400	21.00
2018-19	NA	NA	NA	117	1400	21.00	NA	NA	NA	NA	NA	NA	1400	21.00
2019-20	NA	NA	NA	117	1400	21.00	NA	NA	NA	NA	NA	NA	1400	21.00
2020-21	NA	NA	NA	117	1400	21.00	NA	NA	NA	NA	NA	NA	1400	21.00
2021-22	NA	NA	NA	117	0	0.00	NA	NA	NA	NA	NA	NA	0	0.00
Total	NA	NA	NA	117	7379	110.69							7379	110.685

\* Each beneficiary at the rate of one lakh each, \*\*Each Beneficiary at the rate of 1.5 lakh each, \*\*\* Just put number of beneficiaries, amount is not required, \*\*\*\* Affordable Housing in Partnership @ 1.5 lakh each



*Russhah*

Chairman  
Madhyamgram Municipality  
North 24-P.S.

#### IV. Year-wise Proposed Interventions for Other Urban Poor based on demand survey

Year	Number of Beneficiaries and Central Assistance Required (Rs. in Crores)									
	Beneficiary-led Construction		Credit Linked Subsidy		Affordable Housing in Partnership		Future Urban Poor projection (AHP)		Total	
	No. of Beneficiaries	Amount	No. of Beneficiaries	Amount	No. of Beneficiaries	Amount	No. of Beneficiaries	Amount	No. of Beneficiaries	Amount
2015-16	67	1.01	NA	NA	NA	NA	NA	Future projected urban Poor HHS * 1.5 lakh	67	1.01
2016-17	90	1.35	NA	NA	NA	NA	305	4.57	395	5.92
2017-18	90	1.35	NA	NA	NA	NA	305	4.57	395	5.92
2018-19	90	1.35	NA	NA	NA	NA	305	4.57	395	5.92
2019-20	90	1.35	NA	NA	NA	NA	305	4.57	395	5.92
2020-21	90	1.35	NA	NA	NA	NA	305	4.57	395	5.92
2021-22	0	0.00	NA	NA	NA	NA	305	4.57	305	4.57
Total	517	7.76	NA	NA	NA	NA	1830	27.45	2347	35.20

*Russhar*

**Chairman**  
Madhyasigram Municipality  
North 24 Parganas



**V. Year-wise targets under different components**

Interventions	Number of Beneficiaries and Central Assistance Required (Rs. in Crores)																		Total	
	2015-16		2016-17		2017-18		2018-19		2019-20		2020-21		2021-22		No.	Amount	No.	Amount		
	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount						
Redevelopment through Private Participation	Slums																			
	Slums	379	5.685	1400	21	1400	21	1400	21	1400	21	1400	21	0	0	7379			110.69	
Subsidy for beneficiary-led/ improvement of existing house	Non-Slums	67	1.005	90	1.35	90	1.35	90	1.35	90	1.35	90	1.35	0	0	517			7.76	
	Slums																			
Credit linked subsidy to individual beneficiaries	Non-Slums																			
	Slums																			
Affordable Housing in Partnership (AHP)	Non-Slums																			
	Slums																			
Future Urban Poor projection	N.A																			
	Total	446	6.69	1795	26.925	1795	26.925	1795	26.925	1795	26.925	1795	26.925	305	4.575	305	4.575	1830	27.45	
														305	4.575	9726			145.89	



*Rushash*

**Chairman**  
**Madhyamgram Municipality**  
**North 24-Parganas**

**Housing For All by 2022- Plan of Action (HFAPoA) :-  
Madhyamgram Municipality**

**under**

**Pradhan Mantri Awas Yojana (PMA Y): Urban**

**October 2016**

**Submitted by**

**Madhyamgram Municipality &**

**State Urban Development Agency West Bengal**

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**Introductory Note by Chairperson**

Phone 2538-3883 (Direct) Fax : 2538-6442

**OFFICE OF THE :**



**MADHYAMGRAM MUNICIPALITY**

P.O. : Madhyamgram: Dist. : North 24 Parganas, Kolkata • 700129



I am very glad to apprise you that Madhyamgram Municipality has prepared its Housing for All Plan of Action (HFAPoA) for the year 2015-16 to 2021-22 under Pradhan Mantri Awas Yojana (PMAY), Urban. The aim is to provide permanent shelter to habitants of this Municipality residing in Slum and non-slum area. As per Memo No.SUDA-207/2015(Part-I)/1234, 12<sup>th</sup> September,2015 the Madhyamgram Municipality has Started Orientation Training Programme among Councilors, Ward Committee members and Enumerators from 17<sup>th</sup> September, 2015 to 21<sup>st</sup> September,2015. Have started Field survey works from 21.09.2015 and same have been completed by 30.09.2015. Survey data has been entered in software supplied by SUDA and analysed and synthesized entered data for the purpose of preparing HFA Plan of Action. Prepared HFAPoA has been approved in BOC meeting No. 4 dt 29.09.15. I sincerely look forward for the successful implementation of this HFA Plan of Action and belief that it shall able to solve housing problem for the whole municipal area.

Besides extending my sincerest gratitude to SUDA, Govt. Of WB, Municipal Affairs Department, Govt. West Bengal. MHUPA, GOI for their financial support and overall guidance. I would like to thank to the citizens, fellow Councilors, Enumerators, Data entry operators, in-charge of different municipal department, Ward Committee members, Consultancy Agency (Society for Holistic Approach to Planned Environment, SHAPE) and all the officials, staff and supporting members of Madhyamgram Municipality who have rendered their valuable services and co-operations in preparing this HFAPA for 2015-16 to 2021-22.

**Sri Rathin Ghosh ,**

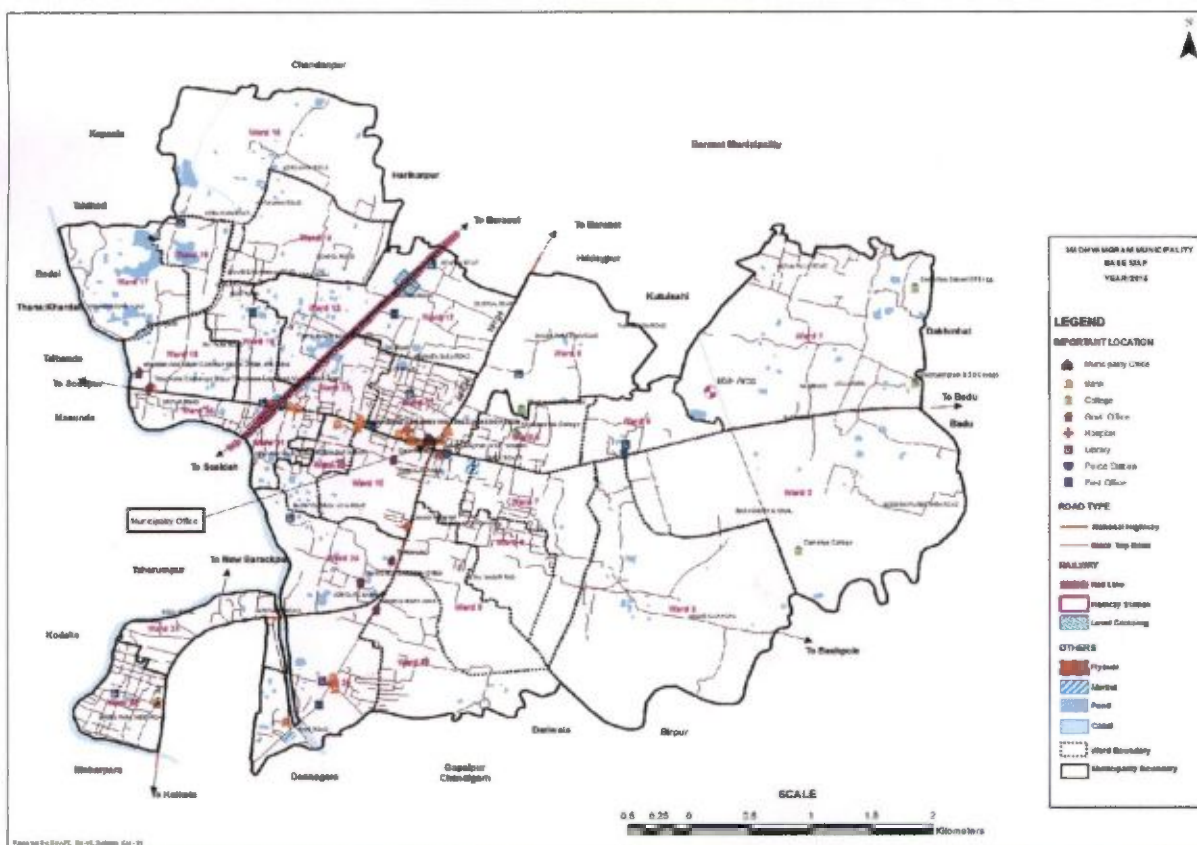
**Chairman, Madhyamgram Municipality**

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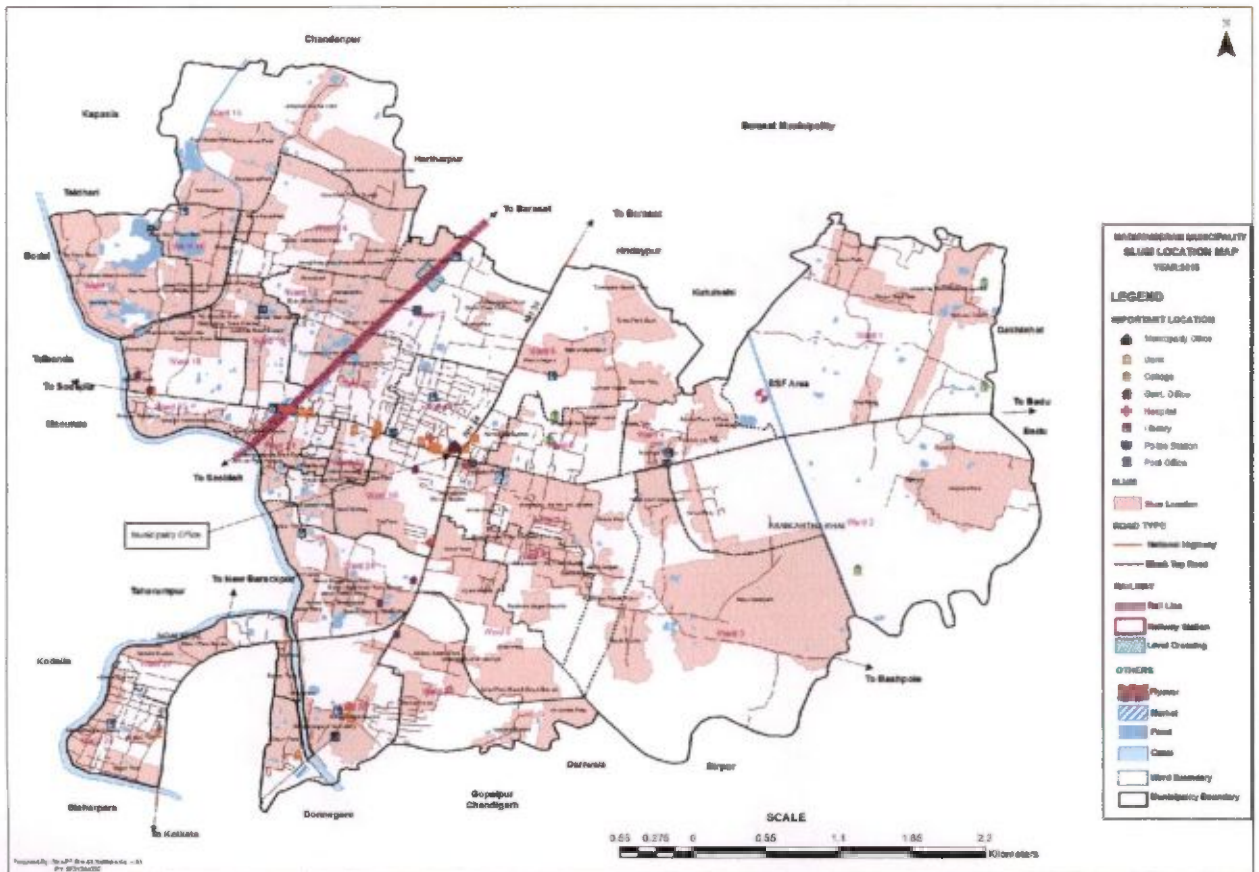
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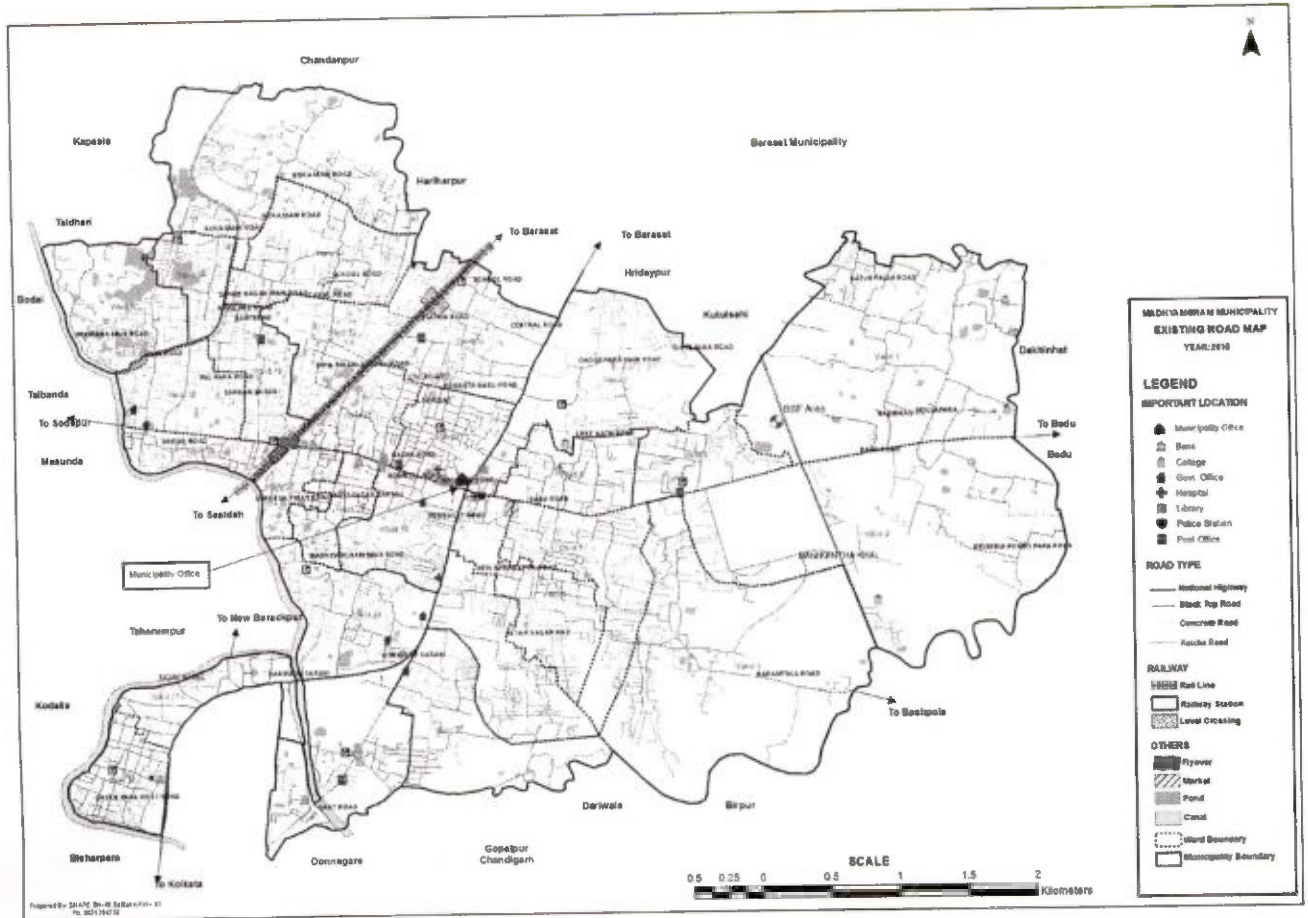
**Regional Map of Madhyamgram Municipality**



Slum Location Map



Road map and Major Facility



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**Abbreviation**

A&OE	Administrative and Other Expenses	LIG	Low Income Group
AHP	Affordable Housing in Partnership	MD	Mission Directorate
AIP	Annual Implementation Plan	MoA	Memorandum of Agreement
BMTPC	Building Materials & Technology Promotion Council	MoHUPA	Ministry of Housing and Urban Poverty Alleviation
CDP	City Development Plan	MoU	Memorandum of Understanding
CLS	Credit linked subsidy	NA	Non Agricultural
CNA	Central Nodal Agencies	NBC	National Building Code
CPHEEO	Central Public Health and Environmental Engineering Organisation	NHB	National Housing Bank
CSMC	Central Sanctioning and Monitoring Committee	NOC	No Objection Certificate
DIPP	Department of Industrial Policy and Promotion	NPV	Net Present Value
DPR	Detailed Project Report	PLI	Primary Lending Institution
EMI	Equated Monthly Installment	RWA	Residents' Welfare Association
EWS	Economically Weaker Section	SECC	Socio Economic and Caste Census
FAR	Floor Area Ratio	SFCPoA	Slum Free City Plan of Action
FSI	Floor Space Index	SLAC	State Level Appraisal Committee
HFA	Housing for All	SLNA	State Level Nodal Agency
HFAPoA	Housing for All Plan of Action	SLSMC	State Level Sanction and Monitoring Committee
IEC	Information Education & Communication	TDR	Transfer of Development Rights
IFD	Integrated Finance Division	TPQMA	Third Party Quality Monitoring Agency
IIT	Indian Institute of Technology	ULB	Urban Local Boday
IS	Indian Standard	UT	Union Territory



**Working Definitions**

Affordable Housing Project:	Housing Projects where 35 % of the houses are constructed for EWS category
Beneficiary	A beneficiary family will comprise husband, wife and unmarried children. The beneficiary family should not own a pucca house (an all-weather dwelling unit) either in his//her name or in the name of any member of his/her family in any part of India
Carpet Area	Area enclosed within the walls, actual area to lay carpet. This area does not include the thickness of the inner walls.
Central Nodal Agencies	Nodal Agencies identified by Ministry for the purposes of implementation of Credit Linked subsidy component of the mission
Economically Weaker Section(EWS)	EWS households are defined as households having an annual income up to Rs 3, 00,000(Rupees Three Lakhs). States/UTs shall have the flexibility to redefine the annual income criteria as per local conditions in consultation with the Centre
EWS House	An all-weather single unit or a unit in a multi storeyed super structure having carpet area of upto 30 sq.m. with adequate basic civic services and infrastructure services like toilet , water, electricity etc. States can determine the area of EWS as per their local needs with information to Ministry
“Floor Area Ratio” (FAR)/FSI	<p>The quotient obtained by dividing the total covered area (plinth area) on all the floors by the area of the plot:</p> $\text{FAR} = \frac{\text{Total covered area on all the floors} \times 100}{\text{Plot area}}$ <p>If States/Cities have some variations in this definition, State/City definitions will be accepted under the mission</p>
Implementing Agencies	Implementing agencies are the agencies such as Urban Local Bodies, Development Authorities, and Housing Boards etc. which are selected by State Government / SLSMC for implementing Housing for All Mission.
Low Income Group (LIG)	LIG households are defined as households having an annual income between Rs.3, 00,000 (Rupees Three Lakhs One) up to Rs.6, 00,000 (Rupees Six Lakhs). States/UTs shall have the flexibility to redefine the annual income criteria as per local conditions in consultation with the Centre.
Primary Lending Institutions (PLI)	Scheduled Commercial Banks, Housing Finance Companies, Regional Rural Banks (RRBs), State Cooperative Banks, Urban Cooperative Banks or any other institutions as may be identified by the Ministry
Slum	A compact area of at least 300 population or about 60-70 households of poorly built congested tenements, in unhygienic environment usually with inadequate infrastructure and lacking in proper sanitary and drinking water facilities.

State Land Nodal Agencies (SLNAs)	Nodal Agency designated by the State Governments for implementing the Mission
Transfer of Development Rights (TDR)	TDR means making available certain amount of additional built up area in lieu of the area relinquished or surrendered by the owner of the land, so that he can use extra built up area himself in some other land.

## 1. Situation assessment for HFAPoA

### 1.1 Background

At Country level slum decadal growth rate is 34%, the slum households are projected to go upto 18 million. 2 million non-slum urban poor households are proposed to be covered under the Mission. Hence, total housing shortage envisaged to be addressed through the new mission is 20 million.

The Mission will be implemented during 2015-2022 and will provide central assistance to Urban Local Bodies (ULBs) and other implementing agencies through States/UTs for:

1. In-situ Rehabilitation of existing slum dwellers using land as a resource through private participation
2. Credit Linked Subsidy
3. Affordable Housing in Partnership
4. Subsidy for beneficiary-led individual house construction/enhancement.

Credit linked subsidy component will be implemented as a Central Sector Scheme while other three components will be implemented as Centrally Sponsored Scheme (CSS).

The scheme will cover entire urban area consisting of 4041 statutory towns with initial focus on 500 Class I cities in three phases. Credit linked subsidy component of the scheme would be implemented across the country in all statutory towns right from the beginning.

In the spirit of cooperative federalism, mission will provide flexibility to the States for choosing the best options amongst four verticals of mission to meet the demand of housing in their states. Process of project formulation and approval in accordance with the mission Guidelines would be left to the States so that projects can be formulated, approved and implemented faster.

A Technology Sub-Mission under the Mission would be set up to facilitate adoption of modern, innovative and green technologies and building material for faster and quality construction of houses. Technology Sub-Mission will also facilitate preparation and adoption of layout designs

and building plans suitable for various geo-climatic zones. It will also assist States/Cities in deploying disaster resistant and environment friendly technologies.

## 1.2 Approach and Methodology

### 1.2.1 Stakeholders Consultative Workshop / Meetings

Picture 1	Picture 2
Picture 3	Picture 4
<p>Summary: Consultative meeting at Enumerators level conducted on 17.09.2015 and 19.09.2015</p> <p>Orientation training to the Councilors and Ward Committee members was held on 20.09.2015</p> <p>Demonstration of Software and handholding support to the data entry operators on 03.10.2015</p> <p>BOC meeting on Plan of Action held on 29.09.15</p>	

### 1.3. City Profile and Overview

*(Write in very brief about History, Year of Establishment of Municipality/Municipal Corporation, Administrative Boundaries, Demographic profile in brief, Linkages of Rail/Road/Port/ Air, Places of Interest etc.)*

The settlement in the beginning was concentrated at Ganga Nagar & Chandigarh around Madhyamgram Railway Station. The land was covered by agricultural uses, mostly paddy fields. After independence huge influx of refugee settled around Udairajpur, Bankim Pally, etc. In the early 70's Basunagar area was developed as a plotted residential area with the help of a local promoter. Thereafter LIC Township and Bijohnagar came up as plotted townships.

Starting with barely 40,000 to 50,000 population, served by mass transit system, namely railway, job opportunities in the neighbouring metropolitan city, growing industries, proximity to a busy

air-port and environmentally pleasing locality, more and more urban people got attracted and started settling here.

The Madhyamgram Municipality was founded on 7<sup>th</sup> September, 1993 with Shri Saral Sen as nominated Chairman. Finally on 27<sup>th</sup> May 1994 the present Madhyamgram Municipality was formed through general election of Councillors, comprising 23 nos. of wards as per gazette notification and subsequently to 28 numbers.

The Madhaymgram Municipality is located within Kolkata Metropolitan Area. Madhyamgram Municipality is 25 Kilometer away from Kolkata in north of Kolkata Metropolitan Area. It forms the Northern boundary with Barasat Municipality, southern part with North Dum Dum and Rajarhat Gopalpur Municipality, eastern part is bounded by New Barackpor Municipality and western part is bounded by Rohanda and Chandigarh Gram Panchayats.

It is situated 25Km to the north-east of Kolkata Municipal Corporation on the east bank of the Hooghly. It is served by the south-eastern railway with stations at Madhayamgram, Sodepur road and Jessor road (NH-35), Badu road. Soon it will be served by North-South Metro from Joka to Barasat and beyond and will be linked to east-west Metro towards Howrah station.

It is divided into 28 wards, with area 21.56 Sq. Km and total population 1.96 lakh, Census,2011.

Its population as per Census,2011 is 1.96 lakh and has increased from 1.07 lacs Census,1991 to 1.56 lacs in 2001 and further to 1.96 lacs in 2011. Projected population of the Municipality is around 2.40 lac by 2021.

Gross population (Census) density is nearly 9090 pp sq km in 2011 higher than metro city standard (UDPFI). Projected population may be more with improvements in infrastructure pattern namely rapid transit systems, water, drainage and power supply, socio-economic facilities, employment opportunities etc. etc. .

Its main drainage channels are Noaikhal and Banikantha (Chatka) Khal.

The decadal growth rate (2001-2011) of Madhayamgram Municipality is 26.45%, at this trend projected population by the year 2031 will be around 2.80 lakh, hence population density will be 12987 persons per Sq. Km while at present is around 9090 persons per Sq Km.

**Table: 1.3.1 Trends of Total Population (in lakhs)**

Year	1991	2001	2011	2021	2031
Population	1.06	1.55	1.96	2.39	2.82
Decadal growth		46.23	26.45	22(assumed growth)	18 (assumed growth)

Source: Census, 1991, 2001, 2011 Data and Projection

### Gross Population Density

Gross population density showing the land-man ratio in a given area at a given time has a great significance for the point of view of planning. The environmental problem are generally very much aggravated in the area of high density but some what simpler in the area of low density. Accusation of land is much more difficult and relocation of population presence many more intricacies in high density areas than in low density area. It is also in this context of economic and social planning per capita cost of providing some kind of urban amenities is relatively lower in high densities areas there being how ever always a break even point with respect to growth. Low per capita cost maybe and is often associated with high per unit area cost and vice-versa. Madhyamgram Municipality becoming more and more crowded as is reflected in its density continuously rising from 6163 persons per sq. km. in 1991 to 7230 persons per sq. km. in 2001 and further to 9061 in 2011. While this over Kolkata Metropolitan Area (in 1991 Kolkata Metropolitan Area has 7012 persons per sq. km. and 8380 persons per sq. km. in 2001). The ward wise gross population densities of Madhyamgram Municipality have been listed below and graphically represented Municipal map which have been attached.

**Table 1.3.2: Gross population density across the ward Madhyamgram Municipality**

Density is highest at W16 (39326 persons/Sq Km) followed by W22 (18819), W20 (18190) and it is lowest at W2(2496). Density is highest along Jessor Road and lowest furthest from it.

Ward No.	Area in sq. km.	Population,2011	Density/Sq Km
1	2.28	8782.0	3858
2	2.67	6672.0	2496
3	2.34	5847.0	2500
4	0.42	6262.0	14915
5	1.12	9380.0	8381
6	0.45	6708.0	15043
7	0.73	9952.0	13565
8	0.63	10761.0	16986
9	0.66	5974.0	9048
10	0.50	6381.0	12841
11	0.42	6039.0	14520
12	0.67	7926.0	11847
13	0.61	8309.0	13720
14	0.75	8590.0	11520

Ward No.	Area in sq. km.	Population,2011	Density/Sq Km
15	1.47	6309.0	4291
16	0.28	11186.0	39326
17	0.66	2834.0	4277
18	0.45	6766.0	15175
19	0.39	6156.0	15929
20	0.25	4516.0	18190
21	0.23	4056.0	17643
22	0.35	6494.0	18819
23	0.26	4393.0	17132
24	0.67	7191.0	10659
25	0.81	7984.0	9839
26	0.82	7657.0	9288
27	0.37	6613.0	17824
28	0.40	6389.0	15966
<b>Mty total</b>	<b>21.64</b>	<b>196127.00</b>	<b>9061</b>

Source:Census,2011 &amp; GIS Map.2012

Table 1.3.3 : City at a Glance

Sl.no	Indicator	2001	2011	2015
1	Area (inSqKm)	21.56	21.56	21.56
1.1	Planning Area (Sq. Km )	21.56	21.56	21.56
1.2	Municipal Area (Sq. Km)	21.56	21.56	21.56
1.3	Area of Slums(Sq. Km)	6.0	7.29	7.29
2	Number of Municipal Wards	23	25	28
3	PopulationandHouseholds			
3.1	TotalPopulation (no'sinmillions)	1.53	1.96	2.05
3.2	Number of Households		48942	
3.3	Density of Population	7230	9061	9508
3.4	Slum households as percentage of total Households in city	16	21	24
3.5	Current (2015) Population(Year of Survey) (no'sinmillions)	.196		.205
3.6	Current Number (2015) of Households(Year of survey)			
3.7	Slum populationaspercentageof total populationincity	21		24

**1.4. Housing and Physical Infrastructure profile**

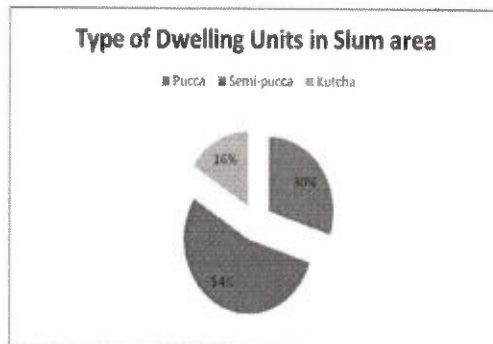
*((Existing Housing stock, land availability, land use, construction cost, Housing typologies, information on current city housing projects etc*

*Spatial coverage and adequacy of Water supply, solid waste management, Sewerage, storm water drainage etc..)*

Most of the slum is in low & waterlogged area, some are on unauthorized land along the railway track, khal par, road side, vacant factory land etc. Condition of drain in such area is poor and is encroached, some where slum dwellers built their house on the drain, slum dwellers use drain as a garbage disposal ground and hence choked the drainage system. Water supply is not adequate, sanitary condition poor, areas are fire hazardous, dropout rate among students from slum area is high.

**Dwelling unit structure**

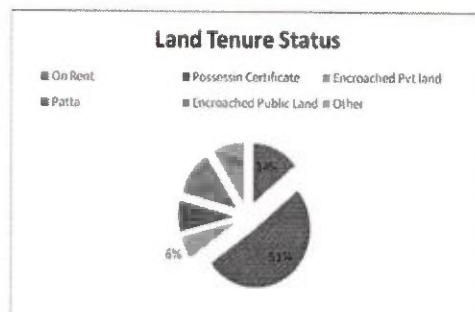
Most of the dwelling units are semi pucca 6480 numbers (54% of the total surveyed households), followed by Pucca 3600 numbers (30%) and kutcha 1920 numbers (16%). Situation depicted in figure below



Source:USHA survey information,2012

**Land Tenure status**

On rent 1680(20% of total), followed by possession certificate 6120 (51%) households, encroached Private land 720 (7%), Patta holder 960 (9%), Encroached public land 1440 (12%) and other type 1080 (9%).

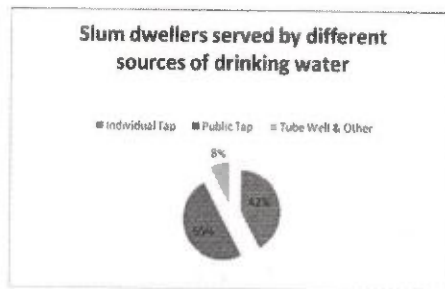


Source:USHA survey information,2012

**Water Supply:**

The main source of water supply in Madhyamgram Municipal area is ground water. Besides that another source is pond, which is used for different purposes except drinking purpose. Like other areas slum dwellers also use the ground water through street tap, municipal pipeline or hand tube wells.

Majority of the slum dwellers served by Public Tap 6002 (50%) numbers followed by Individual Tap 5038(42%), Tube well/Bore well and other 960(8%). Situation covered in Figure below



Source:USHA survey information,2012

The Municipality is incorporating the surface water supply system, through which the Municipality will be able to supply purified water to the entire Municipality including slum areas.

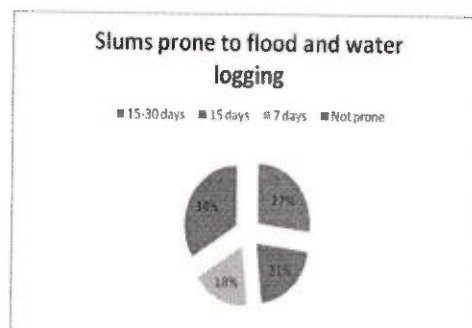
**Sanitation And Drainage:**

The municipality has also upgradation plan of sewerage and drainage system for the entire area including slums.

Only 1 slum is fully covered by drain, 75 slum pockets are partially connected and 44 numbers are not connected.

**Prone to flood/Water logged:**

There are 32 Slums water logged for 15 to 30 days, followed by 28 numbers water logged for 15 days, 21 numbers water logged for 7 days and not prone 40 numbers. Details covered in Figure below.



Source:USHA survey information,2012

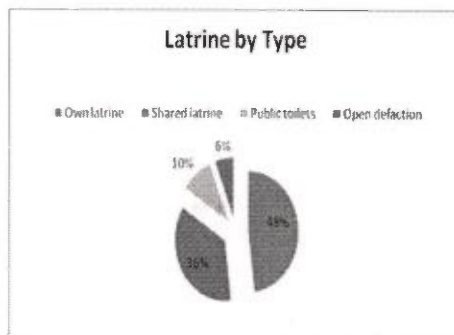
**Solid Waste Management:**



There is no door to door waste collection in this municipal area as well as slum areas. BWMC held meeting for the campaigning of the system. Proposal for solid wastes collection has taken in all over the municipal area as well as in the slums.

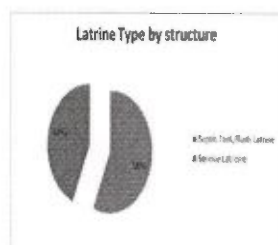
### Latrine facility

Of the total slum dwellers largest number 5760 (48% of total) have own latrine, 4320 (36%) have shared latrine, use common /public toilet 1200 (10%) and practice of open defecation 720 (6%).



Source:USHA survey information,2012

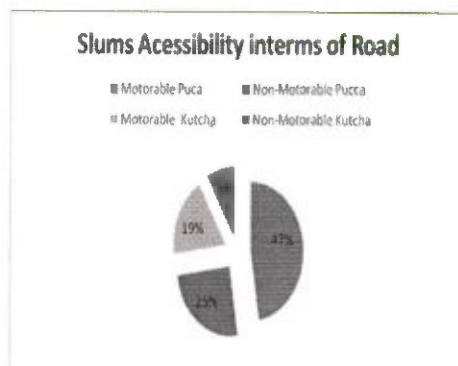
Interms of structure of the latrine 56% are septic Tank / Flush Latrine type and 44% are service latrine. Covered in Figure below.



Source:USHA survey information,2012

### Approach road to slums:

Most of the slums 56 number (47% of total) is connected by Motorable Pucca road, followed by Non-motorable Pucca 30 numbers (25%), Non-motorable Kutcha 10 numbers (9%) and Motorable Kutcha 22 numbers (19%). Details covered in figure below.



Source:USHA survey information,2012

**Street Lighting:**

Most of the slums all are connected by street light, but all households living in slum are not connected by electricity.

**1.5. Assessment of Present Status of Slums**

Of the total 118 slums, 117 are notified and 1 namely Mohuri Bustee is non-notified . Slums covered 7.29 Sq Km area, Refer Table:1.5.1

Table: 1.5.1 List of Notified and Non-notified slums in Madhyamgram Municipality

Ward No	Code/SI No	Slum Name	Notified (NF)/Non-notified (NNF)	Population ** as per MIS validation process	Area (In Sq Km)
W1	56	Ricksaw Colony	NF	237	0.047
W1	57	Raipur Tatul Tala	NF	1585	0.069
W1	58	Nadi Bhag	NF	750	0.033
W1	59	Nadibhag And Mollapara Bustee	NF	565	0.1712
W1	55	Natun Pally	NF	1380	0.063
W2	62	Digberia	NF	1515	0.009
W2	63	Natun Pally	NF	375	0.026
W3	60	Patuli Shibtala	NF	626	0.11
W3	61	Patuli Mathpara	NF	465	0.12
W3	64	Kaiputra Para	NF	286	0.007
W3	65	Patuli Main Road Bustee	NF	1111	1.426
W4	48	Kalabagan	NF	268	0.009
W4	51	Vivekananda Nagar	NF	465	0.05
W4	52	Ramkrishna Pally	NF	1710	0.014
W4	53	Sarada Pally	NF	625	0.014
W4	47	School Para 16 Feet	NF	250	0.019
W5	42	Sarder Pally	NF	150	0.156
W5	43	Purba Udayrajpur (East Udaypur)	NF	310	0.053
W5	44	Loknath Nagar	NF	300	0.105
W5	45	Tunte Para	NF	385	0.103
W5	46	East Udayarajpur Bustee	NF	178	0.108
W5	41	Tuntepara Mandir Para	NF	810	0.046
W6	49	Singer Pukur	NF	302	0.033
W6	50	Abdulpur Colony	NF	340	0.025
W6	54	Aambagan Bustee	NF	75	0.0347
W7	67	Humaipur Panch	NF	510	0.006

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Ward No	Code/SI No	Slum Name	Notified (NF)/Non-notified (NNF)	Population ** as per MIS validation process	Area (In Sq Km)
		Pukur			
W7	68	Bansh Bagan	NF	225	0.028
W7	69	Sreenagar II & III No. Road Bustee	NF	131	0.202
W7	66	Panch Para	NF	270	0.012
W8	71	Shree Nagar I No. Daspara	NF	190	0.018
W8	72	Shree Nagar I No.	NF	100	0.022
W8	73	Bansh Bagan	NF	296	0.0032
W8	74	Anandaloke	NF	290	0.0018
W8	75	Hospital Para	NF	235	0.0004
W8	76	Muhuri Bustee	NNF	280	0.002
W8	77	Sreenagar I No. Road Bustee	NF	115	0.121
W8	70	Rabindra Nagar Dakshin	NF	525	0.017
W9	79	Methopara Uttar Madhya	NF	1208	0.028
W9	80	Milan Pally	NF	810	0.015
W9	81	Habul Nagar	NF	550	0.033
W9	82	Milan Pally East & South Bustee	NF	971	0.293
W9	78	Pyara Bagan	NF	1149	0.067
W10	107	Dhaka Para	NF	290	0.04
W10	108	Pal Para	NF	103	0.004
W10	109	Bankimpally Bustee	NF	205	0.1992
W12	39	Adibasipara	NF	230	0.0122
W12	40	Udayarajpur West	NF	155	0.26
W12	38	Ghosh Para	NF	458	0.0183
W13	31	Indraprastha	NF	480	0.015
W13	32	Baisali	NF	380	0.018
W13	33	Amrabati	NF	256	0.03
W13	34	Santal Para	NF	175	0.008
W13	35	Bipin Bihari School Road	NF	1205	0.026
W13	36	Dinabandhuroad Bustee	NF	135	0.079
W13	30	Gandhi Pally Sukanta Nagar	NF	440	0.011
W14	1	Adibasi Sardarpara Kargil	NF	1020	0.03
W14	2	Nabarun Pally	NF	570	0.46
W14	3	Netaji Pally(East Bipin Bihari School )	NF	520	0.043
W14	4	Patra Para (Part)	NF	410	0.007
W14	5	Kora Main Road Bustee	NF	168	0.1126
W15	8	Purbachal 2	NF	1050	0.024
W15	9	Ramkrishna Pally	NF	245	0.035
W15	10	Babu Para North And Vidyasagar Pally	NF	1450	0.04
W15	11	West Sarder Para	NF	250	0.071
W15	12	Krishna Pally	NF	175	0.0563
W15	13	Uttarpara Majher Para	NF	1280	0.04
W15	6	Patrapara (Part)	NF	132	0.015
W16	16	Khalpar	NF	530	0.003
W16	17	Kora Main Road	NF	550	0.01
W16	18	Das Para	NF	1353	0.036
W16	19	Vivekananda Colony	NF	1170	0.024
W16 & W17	20	West Chandigarh Bustee	NF	777	0.073
W17	7	Panihara	NF	140	0.02
W17	14	Kora Panihara Main Road Bustee	NF	190	0.1147
W17	15	New Khulnapally Khalpar	NF	190	0.002

HFAPoA for Madhyamgram Municipality

Ward No	Code/SI No	Slum Name	Notified (NF)/Non-notified (NNF)	Population ** as per MIS validation process	Area (In Sq Km)
W18	22	Vivekananda Nagar Uttar	NF	450	0.034
W18	23	Subhash Garh	NF	100	0.066
W18	24	Bharat Nagar	NF	230	0.011
W18	25	Durgabari Road And Khalpar Bustee	NF	150	0.027
W18	21	Baikantha Road Khalpar	NF	125	0.025
W19	27	Bustee Near Nabajiban	NF	430	0.021
W19	28	Rani Road	NF	325	0.0073
W19	29	Arabinda Road Bustee	NF	1111	0.109
W19	26	Desbandhu Road Khalpar	NF	125	0.013
W20	117	Sripur Patrapara	NF	185	0.0007
W20	118	Sreepur Rabindrapally Bustee	NF	169	0.0695
W20	116	Rabindra Pally Khalpar	NF	210	0.012
W21	114	Bires Pally North	NF	170	0.006
W21	115	Madhayamgram Mainroad Bustee	NF	260	0.063
W21	113	Subhaspally Khalpar Garh	NF	280	0.0071
W22	37	Debigarh North Bustee	NF	47	0.083
W23	111	Dakshin Bires Pally	NF	190	0.003
W23	112	Vidayasagar Sarani Bustee	NF	79	0.0791
W23	110	Paschim Bankimpally	NF	250	0.004
W24	100	Barisal Pally	NF	122	0.008
W24	101	Bidhan Pally Adibasipara	NF	102	0.0108
W24	102	Sarder Para	NF	335	0.018
W24	103	Barisal Pally Bans Bagan East West	NF	380	0.006
W24	104	Sahid Tirtha Colony	NF	210	0.008
W24	105	Pir Colony	NF	168	0.006
W24	106	Bidhan Pally Main Road Bustee	NF	66	0.167
W24	99	Doltala Dakhin Adibasi Para	NF	168	0.01
W25	84	Khudirampally	NF	250	0.12
W25	85	Adibasi Metho Para	NF	340	0.017
W25	86	Noapara Bustee	NF	252	0.103
W25	83	Nandankanan (West)	NF	1020	0.019
W26	88	Ganga Nagar 2no. Colony	NF	498	0.015
W26	89	Ghosh Para	NF	756	0.0007
W26	90	Ganganagar Bustee	NF	386	0.275
W26	87	Scout Para	NF	241	0.014
W27	96	Ghosh Para Sahara	NF	375	0.014
W27	97	School Para	NF	168	0.011
W27	98	Sahara Bustee	NF	107	0.077
W27	95	Pal Para	NF	103	0.017
W28	91	Micheal Nagar Khalpaar (N)	NF	110	0.003
W28	93	Adibasi Pally	NF	55	0.001
W28	92	Green Park	NF	95	0.002
W28	94	Micheal Nagar Khalpaar (S)	NF	145	0.002
Total				51528	7.3538

**1.5.1. Slum Profile and its Location**

(Including slum dwelling unit density, land values, land ownership and tenure status of the slums)

Most of the slum are located in Fringe Area. Sofar ownership is concerned maximum slums are privately owned (110) only 7 slums are located on encroached land that may be legalised by the West Bengal State Government very soon. Density in slum area is around 7540 persons / Sq Km. For information Refer Table:1.5.1.1 below.

Table:1.5.1.1 Slum Profile

Ward Number	Slum name	Slum Code	Location	Use	Notified/Non-Notified	Ownership
W1	Nadi Bhag	58	FRINGE AREA	Residential	NOTIFIED	Private
W1	Nadibhag And Mollapara Bustee	59	FRINGE AREA	Other	NON NOTIFIED	Others
W1	Raipur Tatul Tala	57	FRINGE AREA	Residential	NOTIFIED	Private
W1	Ricksaw Colony	56	FRINGE AREA	Residential	NOTIFIED	Private
W1	Natun Pally	55	FRINGE AREA	Residential	NOTIFIED	Private
W2	Digberia	62	FRINGE AREA	Residential	NOTIFIED	Private
W2	Natun Pally	63	FRINGE AREA	Residential	NOTIFIED	Private
W3	Kaiputra Para	64	FRINGE AREA	Residential	NOTIFIED	Private
W3	Patuli Mathpara	61	FRINGE AREA	Residential	NOTIFIED	Private
W3	Patuli Main Road Bustee	65	FRINGE AREA	Residential	NOTIFIED	Private
W3	Patuli Shibtala	60	FRINGE AREA	Residential	NOTIFIED	Private
W4	Kalabagan	48	FRINGE AREA	Residential	NOTIFIED	Private
W4	Ramkrishna Pally	52	FRINGE AREA	Residential	NOTIFIED	Private
W4	Sarada Pally	53	FRINGE AREA	Residential	NOTIFIED	Private
W4	Vivekananda Nagar	51	FRINGE AREA	Residential	NOTIFIED	Private
W4	School Para 16 Feet	47	FRINGE AREA	Residential	NOTIFIED	Private
W5	East Udayrajpur Bustee	46	FRINGE AREA	Residential	NOTIFIED	Private
W5	Loknath Nagar	44	FRINGE AREA	Residential	NOTIFIED	Private
W5	Purba Udayrajpur (East Udaypur)	43	FRINGE AREA	Residential	NOTIFIED	Private
W5	Sarder Pally	42	FRINGE AREA	Residential	NOTIFIED	Private
W5	Tunte Para	45	FRINGE AREA	Residential	NOTIFIED	Private
W5	Tuntepara Mandir Para	41	FRINGE AREA	Residential	NOTIFIED	Private
W6	Aambagan Bustee	54	FRINGE AREA	Other	NON NOTIFIED	Others
W6	Abdulpur Colony	50	FRINGE AREA	Residential	NOTIFIED	Private
W6	Singer Pukur	49	FRINGE AREA	Residential	NOTIFIED	Private
W7	Bansh Bagan	68	FRINGE AREA	Residential	NOTIFIED	Private
W7	Humaipur Panch Pukur	67	FRINGE AREA	Residential	NON NOTIFIED	Private
W7	Sreenagar II & III No. Road	69	FRINGE AREA	Other	NON NOTIFIED	Others

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Ward Number	Slum name	Slum Code	Location	Use	Notified/Non-Notified	Ownership
	Bustee					
W7	Panch Para	66	FRINGE AREA	Residential	NOTIFIED	State Government
W8	Anandaloke	74	FRINGE AREA	Residential	NOTIFIED	Private
W8	Bansh Bagan	73	FRINGE AREA	Residential	NOTIFIED	Private
W8	Hospital Para	75	FRINGE AREA	Residential	NOTIFIED	Private
W8	Muhuri Bustee	76	FRINGE AREA	Residential	NOTIFIED	Private
W8	Shree Nagar 1 No.	72	FRINGE AREA	Residential	NOTIFIED	Private
W8	Shree Nagar 1 No. Daspara	71	FRINGE AREA	Residential	NOTIFIED	Private
W8	Sreenagar 1 No. Road Bustee	77	FRINGE AREA	Residential	NOTIFIED	Private
W8	Rabindra Nagar Dakshin	70	FRINGE AREA	Residential	NOTIFIED	Private
W9	Habul Nagar	81	FRINGE AREA	Residential	NOTIFIED	Private
W9	Methopara Uttar Madhya	79	FRINGE AREA	Residential	NOTIFIED	Private
W9	Milan Pally	80	FRINGE AREA	Other	NON NOTIFIED	Others
W9	Milan Pally East & South Bustee	82	FRINGE AREA	Residential	NOTIFIED	Private
W9	Pyara Bagan	78	FRINGE AREA	Residential	NOTIFIED	Private
W10	Bankimpally Bustee	109	FRINGE AREA	Residential	NOTIFIED	Private
W10	Dhaka Para	107	FRINGE AREA	Residential	NOTIFIED	Private
W10	Pal Para	108	FRINGE AREA	Residential	NOTIFIED	Private
W12	Adibasipara	39	FRINGE AREA	Residential	NOTIFIED	Private
W12	Udayarajpur West	40	FRINGE AREA	Other	NON NOTIFIED	Others
W12	Ghosh Para	38	FRINGE AREA	Residential	NOTIFIED	Private
W13	Amrabati	33	FRINGE AREA	Residential	NOTIFIED	Private
W13	Baisali	32	FRINGE AREA	Residential	NOTIFIED	Private
W13	Bipin Bihari School Road	35	FRINGE AREA	Residential	NOTIFIED	Private
W13	Dinabandhuroad Bustee	36	FRINGE AREA	Other	NON NOTIFIED	Others
W13	Indraprastha	31	FRINGE AREA	Residential	NON NOTIFIED	Private
W13	Santal Para	34	FRINGE AREA	Residential	NOTIFIED	Private
W13	Gandhi Pally Sukanta Nagar	30	FRINGE AREA	Residential	NOTIFIED	Private
W14	Adibasi Sardarpara Kargil	1	FRINGE AREA	Residential	NOTIFIED	Private
W14	Kora Main Road Bustee	5	FRINGE AREA	Residential	NOTIFIED	Private
W14	Nabarun Pally	2	FRINGE AREA	Residential	NOTIFIED	Private
W14	Netaji Pally(East Bipin Bihari School )	3	FRINGE AREA	Residential	NOTIFIED	Private
W14	Patra Para (Part)	4	FRINGE AREA	Residential	NOTIFIED	Private
W15	Babu Para North And Vidyasagar	10	FRINGE AREA	Residential	NOTIFIED	Private

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Ward Number	Slum name	Slum Code	Location	Use	Notified/Non-Notified	Ownership
	Pally					
W15	Krishna Pally	12	FRINGE AREA	Residential	NOTIFIED	Private
W15	Purbachal 2	8	FRINGE AREA	Residential	NOTIFIED	Private
W15	Ramkrishna Pally	9	FRINGE AREA	Residential	NOTIFIED	Private
W15	Uttarpara Majher Para	13	FRINGE AREA	Residential	NOTIFIED	Private
W15	West Sarder Para	11	FRINGE AREA	Residential	NOTIFIED	Private
W15	Patrapara (Part)	6	FRINGE AREA	Residential	NOTIFIED	Private
W16	Khalpar	16	FRINGE AREA	Residential	NOTIFIED	Private
W16	Das Para	18	FRINGE AREA	Residential	NOTIFIED	Private
W16	Kora Main Road	17	FRINGE AREA	Other	NON NOTIFIED	Others
W16	Vivekananda Colony	19	FRINGE AREA	Residential	NOTIFIED	Private
W16 & W17	West Chandigarh Bustee	20	FRINGE AREA	Other	NON NOTIFIED	Others
W17	Kora Panihara Main Road Bustee	14	FRINGE AREA	Residential	NOTIFIED	Private
W17	New Khulnapally Khalpar	15	FRINGE AREA	Residential	NOTIFIED	Private
W17	Panihara	7	FRINGE AREA	Other	NON NOTIFIED	Not known
W18	Bharat Nagar	24	FRINGE AREA	Residential	NOTIFIED	Private
W18	Durgabari Road And Khalpar Bustee	25	FRINGE AREA	Other	NON NOTIFIED	Others
W18	Subhash Garh	23	FRINGE AREA	Residential	NOTIFIED	Private
W18	Vivekananda Nagar Uttar	22	FRINGE AREA	Residential	NOTIFIED	Private
W18	Baikantha Road Khalpar	21	FRINGE AREA	Residential	NOTIFIED	Private
W19	Arabinda Road Bustee	29	FRINGE AREA	Other	NON NOTIFIED	Others
W19	Bustee Near Nabajiban	27	FRINGE AREA	Residential	NOTIFIED	Private
W19	Rani Road	28	FRINGE AREA	Residential	NOTIFIED	Private
W19	Desbandhu Road Khalpar	26	FRINGE AREA	Residential	NOTIFIED	Private
W20	Sreepur Rabindrapally Bustee	118	FRINGE AREA	Other	NON NOTIFIED	Others
W20	Sripur Patrapara	117	FRINGE AREA	Residential	NOTIFIED	Private
W20	Rabindra Pally Khalpar	116	FRINGE AREA	Residential	NON NOTIFIED	Private
W21	Biresh Pally North	114	FRINGE AREA	Residential	NOTIFIED	Private
W21	Madhayamgram Mainroad Bustee	115	FRINGE AREA	Other	NON NOTIFIED	Others
W21	Subhaspally Khalpar Garh	113	FRINGE AREA	Residential	NON NOTIFIED	Private
W22	Debigarh North Bustee	37	FRINGE AREA	Residential	NON NOTIFIED	Private
W23	Dakshin Biresh Pally	111	FRINGE AREA	Residential	NOTIFIED	Private
W23	Vidayasagar Sarani Bustee	112	FRINGE AREA	Other	NON NOTIFIED	Others
W23	Paschim	110	FRINGE	Other	NON	Others

Ward Number	Slum name	Slum Code	Location	Use	Notified/Non-Notified	Ownership
	Bankimpally		AREA		NOTIFIED	
W24	Barisal Pally	100	FRINGE AREA	Residential	NOTIFIED	Private
W24	Barisal Pally Bans Bagan East West	103	FRINGE AREA	Residential	NOTIFIED	Private
W24	Bidhan Pally Adibasipara	101	FRINGE AREA	Residential	NOTIFIED	Private
W24	Bidhan Pally Main Road Bustee	106	FRINGE AREA	Residential	NOTIFIED	Private
W24	Pir Colony	105	FRINGE AREA	Residential	NOTIFIED	Private
W24	Sahid Tirtha Colony	104	FRINGE AREA	Institutional	NON NOTIFIED	Others
W24	Sarder Para	102	FRINGE AREA	Residential	NOTIFIED	Private
W24	Doltala Dakhin Adibasi Para	99	FRINGE AREA	Residential	NOTIFIED	Private
W25	Adibasi Metho Para	85	FRINGE AREA	Residential	NOTIFIED	Private
W25	Khudirampally	84	FRINGE AREA	Other	NON NOTIFIED	Others
W25	Noapara Bustee	86	FRINGE AREA	Residential	NOTIFIED	Private
W25	Nandankanan (West)	83	FRINGE AREA	Residential	NOTIFIED	Private
W26	Ganga Nagar 2no. Colony	88	FRINGE AREA	Other	NON NOTIFIED	Others
W26	Ganganagar Bustee	90	FRINGE AREA	Residential	NOTIFIED	Private
W26	Ghosh Para	89	FRINGE AREA	Residential	NOTIFIED	Private
W26	Scout Para	87	FRINGE AREA	Residential	NOTIFIED	Private
W27	Ghosh Para Sahara	96	FRINGE AREA	Residential	NOTIFIED	Private
W27	Sahara Bustee	98	FRINGE AREA	Other	NON NOTIFIED	Others
W27	School Para	97	FRINGE AREA	Residential	NOTIFIED	Private
W27	Pal Para	95	FRINGE AREA	Residential	NOTIFIED	Private
W28	Adibasi Pally	93	FRINGE AREA	Residential	NON NOTIFIED	Private
W28	Green Park	92	FRINGE AREA	Residential	NOTIFIED	Private
W28	Khalpar Bustee	94	FRINGE AREA	Residential	NOTIFIED	Private
W28	Micheal Nagar Khalpaar	91	FRINGE AREA	Residential	NOTIFIED	Private

### 1.5.2. Summary of Findings of Demand Survey

Demand survey has been conduct both in slum and non-slum area. Of the total household survey of 7896 numbers 7349 is within slum area and remaining 517 numbers in non-slum area. Majority of the surveyed households are semi-pucca (81% of the total, rest 1500 or 19% are kutcha), beneficiaries opted for self construction option. Most of them have land and structure and very few are presently rent holder with vacant land within the municipality.

### 1.5.3. Broad infrastructure status in slum areas

*(It shall describe broad slum infrastructure status and future program related to infrastructure development where slum will be benefited)*



Most of the slum are accessible by all weather road, but entire part of the slum are not equally accessible.

Drainage system is moderate, some of the slum is suffered from water logging (15 to 30 days). Some of the slum are not connected by storm water drainage system.

All are covered by piped water but all slum households are not connected

Most of the slums are connected by street light.

Entertainment facility within the slum area is not available.

### **1.6. Tenability Analysis**

*(Categorising all slums in the ULB as Tenable and untenable slums)*

- **Tenable slums**

*(Analysis of all tenable slums against criteria such as land values, land ownership, tenure status and dwelling unit density- briefly state the findings)*

*Of the total 118 slums spreaded over 28 wards only 1, namely Mohuri bustee is Tenable and that has been excluded in the preparation of HFAPoA.*

- **Untenable Slums and Strategy for slum resettlement if any**

*(Analysis of reason of becoming untenable slums, total no. of household affected etc.)*

Of the total 118 slums, 117 are untenable, mostly are on private land (110 numbers) only 7 numbers are on land of irrigation department. The State-ULB has considered such special case and has taken into consideration in the preparation process of the HFAPoA.

## **2. Assessment of Existing and likely Future Housing Shortage**

### **2.1. Existing Housing Shortage (Non Slums)**

*(Estimation of the existing housing shortage for urban poor by comparing the existing housing requirement with the existing housing stock data for the urban poor).*

As per Urban poor data total urban poor is 9091 numbers of which 1091 are in non slum area. Existing housing requirement in non-slum area is around 1091 numbers.

### **2.2. Likely future Housing Shortage**

*(The population of EWS/LIG and household sizes obtained from Census/ SECC/ the socio economic surveys / National Sample Surveys projected for the next 10-15 years would give the housing requirement for the next 10-15 years.*

Estimated housing shortage is around 7896 numbers in 2015, 2000 numbers by 2020 and 1650 numbers by 2025, Covered in Table 2.2.1 below

Table:2.2.1 Estimated Households and Housing demand

Year	Households	Housing demand (Covering households with shelter less, semi-pucca, kutcha house)
2011	48942	
2015	53355	7896
2020	55500	2000
2025	57150	1650

### 3. Identification of four Options available under Mission

(Use table I and II of Guidelines)

- “In-situ” Slum Redevelopment using land as Resource( include viability analysis)
- Credit-Linked Subsidy Scheme (CLSS)
- Affordable Housing in Partnership (AHP)
- Beneficiary-led individual house construction or enhancement

Total beneficiary is 7896, entire is suggested under “Beneficiary-led individual house construction or enhancement”, details covered in Table 3.1.1 below.

**Table: 3.1.1 Slum and non-slum wise number of Beneficiary**

#### II. Slum-wise Intervention strategies for Untenable Slums and Non-PPP Slums

Name of the Slum	Slum Code	Area of the Slum in sq. mtrs	Total No. of Slum Households as per USHA DATA	Number of Beneficiary as per Demand Survey Format B	Proposed Development Strategy	Proposed Year of Intervention
					i. Affordable Housing Project (AHP) ii. Credit Linked Subsidy Scheme (CLSS) iii. Beneficiary Led Construction iv. Clubbing with other Tenable Slums**	
Adibasi Sardarpara Kargil	1	0.03	75	90	Beneficiary Led Construction	2015-16 TO 2020-21
Nabarun Pally	2	0.46	402	124	Beneficiary Led Construction	2015-16 TO 2020-21
Netaji Pally(East Bipin Bihari School)	3	0.043	164	136	Beneficiary Led Construction	2015-16 TO 2020-21
Patra Para (Part)	4	0.007	41	54	Beneficiary Led Construction	2015-16 TO 2020-21

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Kora Main Road Bustee	5	0.1126	21	37	Beneficiary Led Construction	2015-16 TO 2020-21
Patrapara (Part)	6	0.015	25	89	Beneficiary Led Construction	2015-16 TO 2020-21
Panihara	7	0.02	66	113	Beneficiary Led Construction	2015-16 TO 2020-21
Purbachal 2	8	0.024	281	92	Beneficiary Led Construction	2015-16 TO 2020-21
Ramkrishna Pally	9	0.035	23	37	Beneficiary Led Construction	2015-16 TO 2020-21
Babu Para North And Vidyasagar Pally	10	0.04	402	23	Beneficiary Led Construction	2015-16 TO 2020-21
West Sarder Para	11	0.071	60	42	Beneficiary Led Construction	2015-16 TO 2020-21
Krishna Pally	12	0.0563	282	136	Beneficiary Led Construction	2015-16 TO 2020-21
Uttarpara Majher Para	13	0.04	589	57	Beneficiary Led Construction	2015-16 TO 2020-21
Kora Panihara Main Road Bustee	14	0.1147	72	0	Beneficiary Led Construction	2015-16 TO 2020-21
New Khulnapally Khalpar	15	0.002	247	218	Beneficiary Led Construction	2015-16 TO 2020-21
Khalpar	16	0.003	256	21	Beneficiary Led Construction	2015-16 TO 2020-21
Kora Main Road	17	0.01	280	149	Beneficiary Led Construction	2015-16 TO 2020-21
Das Para	18	0.036	450	45	Beneficiary Led Construction	2015-16 TO 2020-21
Vivekananda Colony	19	0.024	241	125	Beneficiary Led Construction	2015-16 TO 2020-21
West Chandigarh Bustee	20	0.073	18	203	Beneficiary Led Construction	2015-16 TO 2020-21
Baikantha Road Khalpar	21	0.025	25	0	Beneficiary Led Construction	2015-16 TO 2020-21
Vivekananda Nagar Uttar	22	0.034	220	28	Beneficiary Led Construction	2015-16 TO 2020-21
Subhash Garh	23	0.066	56	26	Beneficiary Led Construction	2015-16 TO 2020-21
Bharat Nagar	24	0.011	85	11	Beneficiary Led Construction	2015-16 TO 2020-21
Durgabari Road And Khalpar Bustee	25	0.027	38	46	Beneficiary Led Construction	2015-16 TO 2020-21
Desbandhu Road Khalpar	26	0.013	174	102	Beneficiary Led Construction	2015-16 TO 2020-21
Bustee Near Nabajiban	27	0.021	26	9	Beneficiary Led Construction	2015-16 TO 2020-21
Rani Road	28	0.0073	34	14	Beneficiary Led Construction	2015-16 TO 2020-21
Arabinda Road Bustee	29	0.109	22	29	Beneficiary Led Construction	2015-16 TO 2020-21
Gandhi Pally Sukanta Nagar	30	0.011	112	57	Beneficiary Led Construction	2015-16 TO 2020-21
Indraprastha	31	0.015	21	17	Beneficiary Led Construction	2015-16 TO 2020-21
Baisali	32	0.018	24	23	Beneficiary Led Construction	2015-16 TO 2020-21
Amrabati	33	0.03	20	38	Beneficiary Led Construction	2015-16 TO 2020-21
Santal Para	34	0.008	24	0	Beneficiary Led	2015-16 TO

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					Construction	2020-21
Bipin Bihari School Road	35	0.026	30	16	Beneficiary Led Construction	2015-16 TO 2020-21
Dinabandhuroad Bustee	36	0.079	36	36	Beneficiary Led Construction	2015-16 TO 2020-21
Debigarh North Bustee	37	0.083	12	67	Beneficiary Led Construction	2015-16 TO 2020-21
Ghosh Para	38	0.0183	101	33	Beneficiary Led Construction	2015-16 TO 2020-21
Adibasipara	39	0.0122	29	10	Beneficiary Led Construction	2015-16 TO 2020-21
Udayarajpur West	40	0.26	75	6	Beneficiary Led Construction	2015-16 TO 2020-21
Tuntepara Mandir Para	41	0.046	26	25	Beneficiary Led Construction	2015-16 TO 2020-21
Sarder Pally	42	0.156	11	147	Beneficiary Led Construction	2015-16 TO 2020-21
Purba Udayrajpur (East Udaypur)	43	0.053	11	53	Beneficiary Led Construction	2015-16 TO 2020-21
Loknath Nagar	44	0.105	24	35	Beneficiary Led Construction	2015-16 TO 2020-21
Tunte Para	45	0.103	161	112	Beneficiary Led Construction	2015-16 TO 2020-21
East Udayarajpur Bustee	46	0.108	99	54	Beneficiary Led Construction	2015-16 TO 2020-21
School Para 16 Feet	47	0.019	22	30	Beneficiary Led Construction	2015-16 TO 2020-21
Kalabagan	48	0.009	12	18	Beneficiary Led Construction	2015-16 TO 2020-21
Singer Pukur	49	0.033	27	22	Beneficiary Led Construction	2015-16 TO 2020-21
Abdulpur Colony	50	0.025	13	15	Beneficiary Led Construction	2015-16 TO 2020-21
Vivekananda Nagar	51	0.05	42	71	Beneficiary Led Construction	2015-16 TO 2020-21
Ramkrishna Pally	52	0.014	113	103	Beneficiary Led Construction	2015-16 TO 2020-21
Sarada Pally	53	0.014	91	45	Beneficiary Led Construction	2015-16 TO 2020-21
Aambagan Bustee	54	0.0347	18	7	Beneficiary Led Construction	2015-16 TO 2020-21
Natun Pally	55	0.063	264	214	Beneficiary Led Construction	2015-16 TO 2020-21
Ricksaw Colony	56	0.047	217	3	Beneficiary Led Construction	2015-16 TO 2020-21
Raipur Tatal Tala	57	0.069	132	236	Beneficiary Led Construction	2015-16 TO 2020-21
Nadi Bhag	58	0.033	251	150	Beneficiary Led Construction	2015-16 TO 2020-21
Nadibhag And Mollapara Bustee	59	0.1712	135	58	Beneficiary Led Construction	2015-16 TO 2020-21
Patuli Shibtala	60	0.11	122	126	Beneficiary Led Construction	2015-16 TO 2020-21
Patuli Mathpara	61	0.12	26	117	Beneficiary Led Construction	2015-16 TO 2020-21
Digberia	62	0.009	279	174	Beneficiary Led Construction	2015-16 TO 2020-21
Natun Pally	63	0.026	26	127	Beneficiary Led Construction	2015-16 TO 2020-21
Kaiputra Para	64	0.007	29	24	Beneficiary Led Construction	2015-16 TO 2020-21
Patuli Main	65	1.426	40	230	Beneficiary Led	2015-16 TO

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Road Bustee					Construction	2020-21
Panch Para	66	0.012	107	20	Beneficiary Led Construction	2015-16 TO 2020-21
Humaiपुर Panch Pukur	67	0.006	39	314	Beneficiary Led Construction	2015-16 TO 2020-21
Bansh Bagan	68	0.028	15	21	Beneficiary Led Construction	2015-16 TO 2020-21
Sreenagar II & III No. Road Bustee	69	0.202	28	147	Beneficiary Led Construction	2015-16 TO 2020-21
Rabindra Nagar Dakshin	70	0.017	183	91	Beneficiary Led Construction	2015-16 TO 2020-21
Shree Nagar I No. Daspara	71	0.018	161	44	Beneficiary Led Construction	2015-16 TO 2020-21
Shree Nagar I No.	72	0.022	167	14	Beneficiary Led Construction	2015-16 TO 2020-21
Bansh Bagan	73	0.0032	89	47	Beneficiary Led Construction	2015-16 TO 2020-21
Anandaloke	74	0.0018	32	3	Beneficiary Led Construction	2015-16 TO 2020-21
Hospital Para	75	0.0004	52	17	Beneficiary Led Construction	2015-16 TO 2020-21
Muhuri Bustee	76	0.002	23	0	Beneficiary Led Construction	2015-16 TO 2020-21
Sreenagar I No. Road Bustee	77	0.121	43	51	Beneficiary Led Construction	2015-16 TO 2020-21
Pyara Bagan	78	0.067	472	59	Beneficiary Led Construction	2015-16 TO 2020-21
Methopara Uttar Madhya	79	0.028	16	93	Beneficiary Led Construction	2015-16 TO 2020-21
Milan Pally	80	0.015	192	187	Beneficiary Led Construction	2015-16 TO 2020-21
Habul Nagar	81	0.033	404	149	Beneficiary Led Construction	2015-16 TO 2020-21
Milan Pally East & South Bustee	82	0.293	740	101	Beneficiary Led Construction	2015-16 TO 2020-21
Nandankanan (West)	83	0.019	225	81	Beneficiary Led Construction	2015-16 TO 2020-21
Khudirampally (Noapara)	84	0.12	47	16	Beneficiary Led Construction	2015-16 TO 2020-21
Adibasi Metho Para	85	0.017	233	173	Beneficiary Led Construction	2015-16 TO 2020-21
Noapara Bustee	86	0.103	143	74	Beneficiary Led Construction	2015-16 TO 2020-21
Scout Para	87	0.014	117	52	Beneficiary Led Construction	2015-16 TO 2020-21
Ganga Nagar 2no. Colony	88	0.015	139	44	Beneficiary Led Construction	2015-16 TO 2020-21
Ghosh Para	89	0.0007	424	115	Beneficiary Led Construction	2015-16 TO 2020-21
Ganganagar Bustee	90	0.275	34	55	Beneficiary Led Construction	2015-16 TO 2020-21
Micheal Nagar Khalpaar(N)	91	0.005	64	45	Beneficiary Led Construction	2015-16 TO 2020-21
Green Park	92	0.006	18	50	Beneficiary Led Construction	2015-16 TO 2020-21
Adibasi Pally	93	0.01	17	18	Beneficiary Led Construction	2015-16 TO 2020-21
Michel Nagar Khalpar Bustee (S)	94	0.115	55	44	Beneficiary Led Construction	2015-16 TO 2020-21
Pal Para	95	0.017	35	7	Beneficiary Led Construction	2015-16 TO 2020-21

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Ghosh Para Sahara	96	0.014	23	34	Beneficiary Led Construction	2015-16 TO 2020-21
School Para	97	0.011	158	13	Beneficiary Led Construction	2015-16 TO 2020-21
Sahara Bustee	98	0.077	20	42	Beneficiary Led Construction	2015-16 TO 2020-21
Doltala Dakhin Adibasipara	99	0.01	15	21	Beneficiary Led Construction	2015-16 TO 2020-21
Barisal Pally	100	0.008	19	18	Beneficiary Led Construction	2015-16 TO 2020-21
Bidhan Pally Adibasipara	101	0.0108	107	12	Beneficiary Led Construction	2015-16 TO 2020-21
Sarder Para	102	0.018	136	51	Beneficiary Led Construction	2015-16 TO 2020-21
Barisal Pally Bans Bagan East West	103	0.006	109	23	Beneficiary Led Construction	2015-16 TO 2020-21
Sahid Tirtha Colony	104	0.008	21	8	Beneficiary Led Construction	2015-16 TO 2020-21
Pir Colony	105	0.006	32	26	Beneficiary Led Construction	2015-16 TO 2020-21
Bidhan Pally Main Road Bustee	106	0.167	31	67	Beneficiary Led Construction	2015-16 TO 2020-21
Dhaka Para	107	0.04	48	13	Beneficiary Led Construction	2015-16 TO 2020-21
Pal Para	108	0.004	164	20	Beneficiary Led Construction	2015-16 TO 2020-21
Bankimpally Bustee	109	0.1992	44	61	Beneficiary Led Construction	2015-16 TO 2020-21
Paschim Bankimpally	110	0.004	190	40	Beneficiary Led Construction	2015-16 TO 2020-21
Dakshin Biresh Pally	111	0.003	35	39	Beneficiary Led Construction	2015-16 TO 2020-21
Vidayasagar Sarani Bustee	112	0.0791	19	71	Beneficiary Led Construction	2015-16 TO 2020-21
Subhaspally Khalpar Garh	113	0.0071	57	29	Beneficiary Led Construction	2015-16 TO 2020-21
Biresh Pally North	114	0.006	278	39	Beneficiary Led Construction	2015-16 TO 2020-21
Madhayamgram Mainroad Bustee	115	0.063	16	12	Beneficiary Led Construction	2015-16 TO 2020-21
Rabindra Pally Khalpar	116	0.012	80	33	Beneficiary Led Construction	2015-16 TO 2020-21
Sripur Patrapara	117	0.0007	83	20	Beneficiary Led Construction	2015-16 TO 2020-21
Sreepur Rabindrapally Bustee	118	0.0695	29	0	Beneficiary Led Construction	2015-16 TO 2020-21
				7379		

**4. Intervention Plan and Central assistance.**

(Use Table III-V in HFAPoA guidelines)

Intervention Plan of the total 7379 beneficiary from 118 slums and requirement of Central assistance is covered Table 4.1.1 below.

Table:4.1.1 Intervention Plan in Slum Area



*Russhah*

Chairman

Madhyamgram Municipality  
North 24 Pargana

**Year-wise Proposed Interventions in Slums**

Year	Number of Beneficiaries and Central Assistance Required (Rs. in Crores)													
	Redevelopment thru Private Partner Participation*			Beneficiary-led Construction			Credit Linked Subsidy***			Affordable Housing in Partnership			Total	
	No. of Slums	No. of Beneficiaries	Amount	No. of Slums	No. of Beneficiaries	Amount	No. of Slums	No. of Beneficiaries	Amount	No. of Slums	No. of Beneficiaries	Amount	No. of Beneficiaries	Amount
2015-16	NA	NA	NA	117	379	5.685	NA	NA	NA	NA	NA	NA	379	5.685
2016-17	NA	NA	NA	117	1420	21.30	NA	NA	NA	NA	NA	NA	1420	21
2017-18	NA	NA	NA	117	1400	21	NA	NA	NA	NA	NA	NA	1400	21
2018-19	NA	NA	NA	117	1400	21	NA	NA	NA	NA	NA	NA	1400	21
2019-20	NA	NA	NA	117	1400	21	NA	NA	NA	NA	NA	NA	1400	21
2020-21	NA	NA	NA	117	1400	21	NA	NA	NA	NA	NA	NA	1400	21
2021-22	NA	NA	NA	117	0	0	NA	NA	NA	NA	NA	NA	0	0
Total	NA	NA	NA	117	7379	110.985							7379	110.99

  
 Purnash  
 Chairman  
 Madhyamgram Municipality  
 North 24-Parganas

\*\* Each Beneficiary @ Rs: 1.5 lakh  
 Table: Intervention Plan in Non-Slum area

## **5. Institutional Arrangements for Implementation of Development Options**

*(Proposed Institutional framework at State and ULB level and Their Roles and Responsibilities)*

Project will be implemented jointly by the State and ULB.

ULB will be prepared Detail Project Report as per MHUPA guidelines under supervision of State level agency

State agency will monitor phase wise different activities of the ULB

ULB will take necessary approval from its Board of Councilors

Phase wise ward wise beneficiary will be selected by the ULB in consultation with Councilors and ward committee members.

## **6. Project Monitoring and Social audit**

*(Broad description of the Project monitoring and Social audit in line with guidelines)*

A social audit is a process by which the people, the final beneficiaries of any scheme, programme, policy or law, are empowered to audit such schemes, programmes, policies and laws. A social audit is an ongoing process by which the potential beneficiaries and other stakeholders of an activity or project are involved from the planning to the monitoring and evaluation of that activity or project. It thereby tries to ensure that the activity or project is designed and implemented in a manner that is most suited for the prevailing (local) conditions, appropriately reflects the priorities and preferences of those affected by it, and most effectively serves public interest.

Social audits are those that are conducted jointly by the government and the people, especially by those people who are affected by, or are the intended beneficiaries of the activity being audited.

Principal:

Transparency : Complete transparency in the process of administration and decision-making, with an obligation on the government to suo moto (voluntary disclosure of information) give the people full access to all relevant information.

Participation: A right based entitlement for all the affected persons (and not just their representatives) to participate in the process of decision making and validation;

Representative participation : In those rare cases where options are predetermined out of necessity, the right of the affected persons to give informed consent, as a group or as individuals, as appropriate.

Accountability: Immediate and public answerability of elected representatives and government functionaries, to all the concerned and affected people, on relevant actions or inactions.

Social audit will be done at any point of time during the planning and implementation of a scheme/ programme.

Planning stage: to ensure that the ULB Plan is need-based covering productive/ investments and drawn up in consultation with community serving the poor and the disadvantaged.

Preparation stage: to ensure that estimates are proper and are in tune with the approved quantum of work

Implementation stage: to ensure that dwelling units are constructed rightly, given to proper and to right people



After the completion of work: to ensure that quality of work is in tune with quantity and estimated cost.

Social Audit will be carried out by different stakeholders namely the State, ULB, Ward Committee, Beneficiary, implementing agency etc. The entire ULB is expected to participate in Social Audit. Since this may not be always possible, a group can be formed voluntarily (with encouragement by ULB and officials) with representatives from beneficiaries, SHGs, community leaders, youth clubs, marginalised sections (SC/ST/Women) etc.

## 7. Conclusion

*(Snapshot containing the key features of the HFAPoA highlighting the total financial requirement)*

*Based on demand survey Madhyamgram has finalized 7896 units for implementation under Beneficiary –led construction option under HFAPoA.*

*Financial requirements ( @Rs:4.5 lakh / unit ) for the total 7896 units is around Rs:355.32 Crores. Of the total expected expenditure GOI contribution (@Rs:1.5 lakh/unit ) isRs:145.89 crores, therefore remaining Rs:209.43 crores will have to be arranged by the State-ULB-Beneficiary shared basis. Year wise demand and financial requirement is covered in Table .....*



Chairman

Madhyamgram Municipality  
North 24-Parganas

**8. Annexure**

**Annexure A: Beneficiary List**

**Annexure B: City Profile Tables****Table 1 : Land Use of Planning Area**

Land use by type	Use in 2001 (in Sq Km)	Use in 2015 (in Sq Km)
Residential	6.20	6.90
Industrial	1.67	1.47
Commercial	1.0	1.08
Transport & Communication	2.35	2.35
Recreation	1.04	1.04
Public & Semi Public	2.24	2.60
Open, Water bodies	4.35	4.27
Other	2.71	1.85
Total		21.56

Source: Draft Development Plan,2007-2011, City Development Plan 2014-15 to 2018-19 and GIS Map,2014

**Table 2: Social and Demographic Details**

Ward Number	1991		2001		2011		Remarks, Density persons/Sq Km
	Population	Households	Population	Households	Population	Households	
W1	NA	NA			8782	2191	3858
W2	NA	NA			6672	1665	2496
W3	NA	NA			5847	1459	2500
W4	NA	NA			6262	1563	14915
W5	NA	NA			9380	2341	8381
W6	NA	NA			6708	1674	15043
W7	NA	NA			9952	2483	13565
W8	NA	NA			10761	2685	16986
W9	NA	NA			5974	1491	9048
W10	NA	NA			6381	1592	12841
W11	NA	NA			6039	1507	14520
W12	NA	NA			7926	1978	11847
W13	NA	NA			8309	2073	13720
W14	NA	NA			8590	2144	11520
W15	NA	NA			6309	1574	4291
W16	NA	NA			11186	2791	39326
W17	NA	NA			2834	707	4277
W18	NA	NA			6766	1688	15175

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W19	NA	NA			6156	1536	15929
W20	NA	NA			4516	1127	18190
W21	NA	NA			4056	1012	17643
W22	NA	NA			6494	1621	18819
W23	NA	NA			4393	1096	17132
W24	NA	NA			7191	1794	10659
W25	NA	NA			7984	1992	9839
W26	NA	NA			7657	1911	9288
W27	NA	NA			6613	1650	17824
W28	NA	NA			6389	1594	15966
<b>Total</b>	NA	NA			<b>196127</b>	<b>48942</b>	<b>9061</b>

Table 4: BPL and Slum growth trends

Sl No	Year	Total Population in Slums	Total BPL population	Total Households	Total Households in Slums
1.	1971				0
2.	1981				0
3.	1991				0
4.	2001	30000			6000
5.	2013(Estimated)	51528	45455	48942	11782

Table 5: Slum-wise Intervention strategies for Tenable Slums

Name of the Slum	Area of the Slum in sq.mts	Total No. of Slum Households as per .....	Eligible Slum Households	Whether 'in-situ' redevelopment with Private Participation	Required Area for in-situ Redevelopment in Sq.mts	FSI/FAR		Name of other slum if proposed for resettlement in this slum	Proposed Year of Intervention
						Existing	Proposed		
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
								Not Applicable	Not Applicable

Note: \* Please mention source of data

Table 6. Slum-wise Intervention strategies for Untenable Slums and Non PPP Slums

Name of the Slum	Slum Code	Area of the Slum in sq. mtrs	Total No. of Slum House holds as per USHA DATA	Number of Beneficiary as per Demand Survey Format B	Proposed Development Strategy	Proposed Year of Intervention
					i. Affordable Housing Project (AHP)	
					ii. Credit Linked Subsidy Scheme (CLSS)	
					iii. Beneficiary Led Construction	
					iv. Clubbing with other Tenable Slums**	
Adibasi Sardarpara Kargil	1	0.03	75	90	Beneficiary Led Construction	2015-16 TO 2020-21
Nabarun Pally	2	0.46	402	124	Beneficiary Led Construction	2015-16 TO 2020-21
Netaji Pally(East Bipin Bihari School	3	0.043	164	136	Beneficiary Led Construction	2015-16 TO 2020-21
Patra Para (Part)	4	0.007	41	54	Beneficiary Led Construction	2015-16 TO 2020-21
Kora Main Road Bustee	5	0.1126	21	37	Beneficiary Led Construction	2015-16 TO 2020-21
Patrapara (Part)	6	0.015	25	89	Beneficiary Led Construction	2015-16 TO 2020-21
Panihara	7	0.02	66	113	Beneficiary Led Construction	2015-16 TO 2020-21
Purbachal 2	8	0.024	281	92	Beneficiary Led Construction	2015-16 TO 2020-21