Summary of Findings of Demand Survey

Housing for All (HFA) Scheme has since been launched by the Ministry of Housing & Urban Poverty Alleviation (MoHUPA), Govt. of India in Mission mode which envisages provision of Housing for All by 2022 when the Nation completes 75 years of its Independence. The Mission seeks to address the housing requirement of urban poor including slum dwellers through following programme verticals:

a) Redevelopment of slums with private participation

b) Promotion of affordable Housing for weaker section through credit linked subsidy

c) Affordable Housing in partnership with public sectors

d) Subsidy for beneficiary-led individual house construction.

In compliance with the objective and as per direction of the Ministry of Housing & Urban Poverty Alleviation (MoHUPA) and State Urban Development agency(SUDA), West Bengal was undertake a demand survey through suitable means for accessing the actual demand of housing. For this mission Budge Budge Municipality undertook Demand survey on 18.09.2015 and completed the survey on 01.10.2015.From this survey, different information have been took off. Summary of findings of survey have been given below:

Distribution of family heads of the slum

FAMILY HEAD				
WARD NO	MALE	FEMALE	OTHER	TOTAL
1	209	138	0	347
2	310	93	0	403
3	304	80	0	384
4	435	98	0	533
5	188	38	0	226
6	360	77	0	437
7	529	111	0	640
8	445	84	1	530
9	312	101	0	413
10	174	52	0	226
11	404	122	0	526
12	391	94	0	485
13	86	31	0	117
14	118	9	0	127
15	404	67	0	471
16	333	103	0	436
17	453	122	0	575

18	482	123	0	605
19	616	81	0	697
20	381	19	0	400
TOTAL	**6934**	**1643**	**1**	**8578**

Source ; Demand survey,2015

From the above table, it is noticed that Municipality conducted of survey of 8578 household. Out of 8578 households, 6934 households headed by male member, 1643 households headed by female member and 1 households headed by other. Ward-wise details are given in the table.

Religion of the households

RELIGION DETAILS								
WARD NO	HINDU	MUSLIM	CHRISTAN	SIKH	OTHER	BUDDHISM	JAINISM	TOTAL
1	331	12	1	2	0	1	0	347
2	397	1	0	4	0	0	1	403
3	303	81	0	0	0	0	0	384
4	444	89	0	0	0	0	0	533
5	130	96	0	0	0	0	0	226
6	103	334	0	0	0	0	0	437
7	496	143	1	0	0	0	0	640
8	244	286	0	0	0	0	0	530
9	396	3	8	5	0	0	1	413
10	224	1	0	1	0	0	0	226
11	440	72	14	0	0	0	0	526
12	314	171	0	0	0	0	0	485
13	108	7	0	2	0	0	0	117
14	124	3	0	0	0	0	0	127
15	387	84	0	0	0	0	0	471
16	430	1	3	1	0	0	1	436
17	252	323	0	0	0	0	0	575
18	175	430	0	0	0	0	0	605
19	142	555	0	0	0	0	0	697
20	333	67	0	0	0	0	0	400
TOTAL	**5773**	**2759**	**27**	**15**	**0**	**1**	**3**	**8578**

Source ; Demand survey,2015

From the above table, it is noticed that out of 8578 households, 5773 households falls under Hindu community, 2759 households falls under Muslim Community, 27 households falls under Christian community, 15 household falls under sikh community, No households falls other community and single household falls under Buddhism and 3 household falls under Jainism community each. Ward-wise details are given in the table.

Out of the total beneficiary, around 4609 beneficiary opted for Beneficiary Led Construction. The details of the ownership of land are given in table below.

Ownership details of the households

OWNERSHIP DETAILS				
WARD NO	OWN	RENTED	OTHERWISE	TOTAL
1	137	171	39	347
2	221	182	0	403
3	175	176	33	384
4	433	47	53	533
5	122	86	18	226
6	411	26	0	437
7	576	62	2	640
8	506	23	1	530
9	102	308	3	413
10	193	33	0	226
11	412	112	2	526
12	468	17	0	485
13	75	42	0	117
14	122	3	2	127
15	268	191	12	471
16	369	36	31	436
17	257	309	9	575
18	576	23	6	605
19	670	21	6	697
20	3	397	0	400
TOTAL	**6096**	**2265**	**217**	**8578**

Source ; Demand survey,2015

From the above mentioned table, it implies that Out of total 8578 households, 6096 households have own ownership, 2265 households lives in rented house but they have own land and 217 households ownership is otherwise i.e. ancestral property. Ward-wise details are given in the table.

Housing structure details of the households

TYPE OF HOUSE				
WARD NO	PUCCA	SEMI PUCCA	KATCHA	TOTAL
1	32	303	12	347
2	0	376	27	403
3	13	363	8	384
4	10	334	189	533
5	0	134	92	226
6	7	411	19	437
7	0	515	125	640
8	2	360	168	530
9	277	130	6	413
10	1	209	16	226
11	12	454	60	526
12	3	428	54	485
13	7	108	2	117
14	0	118	9	127
15	1	459	11	471
16	1	420	15	436
17	1	550	24	575
18	0	431	174	605
19	0	524	173	697
20	0	400	0	400
TOTAL	**367**	**7027**	**1184**	**8578**

Source ; Demand survey,2015

From the above table, it shows that, out of total 8578 households, 7027 households' lives in semi-pucca structure house . 1184 households lives in kucha structure house and 367 households lives in pucca house. Ward-wise details are given in the table.

Cast wise details of the households

CAST DETAILS					
WARD NO	GENERAL	SC	ST	OBC	TOTAL
1	347	0	0	0	347
2	327	66	4	6	403
3	308	74	0	2	384
4	439	87	0	7	533
5	219	6	0	1	226
6	437	0	0	0	437
7	374	261	0	5	640
8	464	66	0	0	530
9	393	17	0	3	413
10	216	9	0	1	226
11	422	45	1	58	526
12	444	32	0	9	485
13	105	8	0	4	117
14	101	24	0	2	127
15	372	95	2	2	471
16	255	179	0	2	436
17	552	21	0	2	575
18	596	8	1	0	605
19	677	19	0	1	697
20	373	14	0	13	400
TOTAL	**7421**	**1031**	**8**	**118**	**8578**

Source ; Demand survey,2015

From the above table, it is noticed that out of total 8578 households falls under the scheme. From that 7421 households falls under General category, 1031 households falls under SC category, 8 households falls under ST category and 118 households falls under OBC category. Ward-wise details are given in the table.

In summarizing the HFAPoA of Budge Budge Municipality, Budge Budge Municipality takes only three verticals i.e. "Affordable Housing in partnership" , Credit Linked subsidy and another vertical is " Beneficiary led construction". From present Demand Assessment survey for Housing for all (HFA), it is noticed that 8582 household covering under this project. Out of these 8582 houses, 4609 houses will be constructed through "Beneficiary-led-Construction", 1909 houses will be constructed through "Affordable housing in partnership" and 2064 houses will be constructed through "Credit Linked Subsidy". Under "Beneficiary-led-Construction"

Broad infrastructure status in slum areas

Status of all 73 slums in respect of the four infrastructures is detailed below:

Water Supply

The water supply network extends over 70% of the core city and peripheral areas of the municipality, but household coverage of the existing water network is 42%. The total number of service connections existing currently is estimated at 7039, out of which 6764 are classified as domestic connections and the remained 275 are non-domestic connections. There is currently no metering of water supply connections within the municipality and the extent of non-revenue water (NRW) is significantly high. The provision of piped water supply system through Surface Water Based Treatment Plant, the auspices of Garden Reach Water Works (Ph-I & Ph-II) has significantly reduced the dependence on tube wells within the municipality. The water distribution network consists of 90 km of pipelines comprising Cast Iron (CI) and Asbestos Cement (AC) pipelines. The percentage of iron content in the surface water supply is comparatively high as a result of which the pipe lines have been obstructed due to iron silting. The first pipe line was laid down in the year 1960 and upgradation is required for the existing distribution network infrastructure to prevent leakages and improve the quality of water supplied. The benchmarks related to water supply in Budge Budge for 2012-13 is presented in the table below:

Benchmarks: Water Supply in Budge Budge

Water Supply Services	Benchmark	National Average (2010-11)	Budge Budge (2012-13)
Coverage	100%	50.2%	42%
Per capita availability	135 lpcd	69.2 lpcd	60 lpcd
Metering of water connections	100%	13.3%	0%
Non-Revenue Water (NRW)	20%	32.9%	100%
Continuity of Water Supply	24 Hrs./ day	3.1 Hrs./ day	6 Hrs./ day
Complaint redressal	80%	72.9%	5%
Quality of water supplied	100%	81.7%	5%
Cost recovery of water supply	100%	38.8%	38%

Source: MoUD, GoI and Budge Budge Municipality

Within the areas served with piped water supply, water supply is intermittent throughout the town and available for only 6 hours a day, with arsenic contents reported in certain pockets.

Keeping the above gap in consideration, Budge Budge Municipality has taken up a water supply project for 24x7 water supply scheme under JNNURM. In this scheme a dedicated water pipe line will be laid down directly from KMW&SA, Gardenreach to the underground reservoir at Budge Budge Municipal Hospital compound. One Underground Reservoir and seven Overhead Reservoirs will be constructed for the smooth supply of water to all the inhabitants of Budge Budge Town.

Drainage and Sanitation

The total drainage network of Budge Budge municipality is estimated at 58.5 Km, wherein pucca drains comprise 36.09 km and the remaining 22.46 km is comprised of katcha drains. Improper drainage system is a burning problem of Budge Budge Municipality, which leads to water logging condition in several places every year during monsoons. Some of the key places wherein waterlogging is visible include i) A.L. Daw Road, S.N. Ghosh Road (Ward No. 2), ii) D. N. Ghosh road (Ward No. 11), iii) A.T. Mukherjee Road (Ward No. 14), iv) B.C. Pramanik Road (Ward No. 16) etc. To address the above issue, DPC with the help of KMDA has taken an initiative to provide an integrated storm water drainage system in Budge Budge municipality.

The sanitation system of the town is poor and is in the form of septic tanks and pour flush latrine. Currently Budge Budge Municipality does not have any system of waste water treatment. All the waste water directly falls in to the Chowrial Canal as well as River Hooghly. An STP is currently under construction in the municipality at A.M. Ghosh Road and near Queen Cinema to avoid the environmental and health hazards related to the non-treatment of waste water. The table below presents a service level standard of Budge Budge with respect to sanitation and sewerage.

Benchmarks: Sewerage and Sanitation in Budge Budge

Sewerage & Sanitation Services	Benchmark	National Average (2010-11)	Budge Budge (2012-13)
Toilet Coverage	100%	69.5	100%
Storm water drainage coverage	100%	45.8	25%
Sewerage network coverage	100%	12.2	0%
Waste water collection efficiency	100%	10.3	0%
Wastewater treatment adequacy	100%	5.3	0%
Quality of waste water treatment	100%	3.3	0%
Extent of reuse & recycling of treated	20%	4.0	0%
Cost recovery - waste water	100%	5.2	0%
Collection efficiency	90%	7.3	0%
Complaints redressal	80%	21.2	0%

Source: MoUD, GoI and Budge Budge Municipality

The above table clearly shows numerous interventions are required to improve sanitation and sewerage facilities as there is no household level sewerage and drainage facility leading to unhygienic environment in slums.

Solid Waste Management

Solid Waste Management in Budge Budge municipality is not as per MSW (Management and handling) rules 2000. Garbage is being collected from door step of the households by tricycle vans from all wards and stored temporarily in the nearby vat points (primary collection center) managed

by Municipality. The collection and disposal of municipal solid waste to the existing dumping ground (Maila Depot.) at ward no. 19 are often untimely, causing significant dumping in drains and spread of foul odour at the primary disposal point. Presently, the solid waste transported is transferred directly to the dumping ground without any treatment. The system of segregation of wastes at source is also not in place. Of the total 40 MT of daily garbage generation, the quantum of waste actually collected and transported is only 35 MT. The benchmarks related to solid waste management (SWM) in Budge Budge for 2012-13 is presented in table below:

Benchmarks: Solid Waste Management

Solid Waste Management	Benchmark	National Average (2010-11)	Budge Budge (2012-13)
Household coverage of garbage collection	100%	35.0	5%
MSW collection efficiency	100%	75.6	0%
Segregation of MSW	100%	10.8	0%
Scientific Disposal of MSW	100%	9.7	0%
Cost recovery – SWM services	100%	7.3	0%
Collection efficiency – SWM charges	90%	14.4	0%
Complaints redressal	80%	54.7	5%

Source: MoUD, GoI and Budge Budge Municipality

Road Coverage and Condition

Road network in Budge Budge constitutes 4.52% (0.38 Sq. Km) of the total area of the ULB. The total length of roads in the municipality is 91.59 km, wherein pucca roads consist of 62.93 km, while katcha roads consist of 28.66 km. Most of the existing arterial roads are narrow with two lane carriageways and needs to be widened to cater for the increasing vehicular traffic. Due to lack of proper maintenance, the surface conditions of the roads are not good which in turn reduces the speed of moving traffic.

Project Justification (For the year 2018-19)

For the following reasons Budge Budge Municipality selected the slums namely mentioned below as first project for preparation of DPR under Pradhan Mantri Awas Yojana:

Sl. No	Name of the Slums	Status	Land	Age of Slums	National High Way	Status of Housings	Road Status	Habitation pattern
1	D.P.J.M. Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	20	No National highway is pass from the area. Main PWD road is 2 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
2	N.S. Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	30	No National highway is pass from the area. Main PWD road is 2 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
3	A.L.Daw Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	15	No National highway is pass from the area. Main PWD road is 3 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space

4	S.N. Ghosh Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	10	No National highway is pass from the area. Main PWD road is 2 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
5	R.N. Tagore Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	20	No National highway is pass from the area. Main PWD road is 1 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
6	Lesli Road 1st Lane	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	10	No National highway is pass from the area. Main PWD road is 1 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
7	Lesli Road 2nd Lane	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	15	No National highway is pass from the area. Main PWD road is 1 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space

8	Lesli Road 3rd Lane	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	10	No National highway is pass from the area. Main PWD road is 2 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	
9	C.C. Karmakar Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	15	No National highway is pass from the area. Main PWD road is 2 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	
10	M.G. Road 1	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	25	No National highway is pass from the area. Main PWD road is 1 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
11	Vidyasagar Road (Jute Mill)	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	15	No National highway is pass from the area. Main PWD road is 0.5 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space

12	Chanditala Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	10	No National highway is pass from the area. Main PWD road is 1 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
13	Kazipara 1st Lane	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	12	No National highway is pass from the area. Main PWD road is 1 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
14	Khaldhar Para	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	8	No National highway is pass from the area. Main PWD road is 1 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
15	Usaf Sanfui Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	10	No National highway is pass from the area. Main PWD road is 2 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
16	Bagmari	The condition	The ownership of	13	No National	Major population	Majority portion of	Habitation pattern in the

		of living in the slum is unhygienic	land belongs to beneficiaries own land.		highway is pass from the area. Main PWD road is 0.5 KM away from the slum.	is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	roads are Kucha or brick road or damaged roads.	slums is congested with insufficient open space
17	Jakir Para	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	11	No National highway is pass from the area. Main PWD road is 1 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads .	Habitation pattern in the slums is congested with insufficient open space
18	Khan Para	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	16	No National highway is pass from the area. Main PWD road is 1 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads .	Habitation pattern in the slums is congested with insufficient open space
19	Mandir Para	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	16	No National highway is pass from the area. Main PWD road is 1 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads .	Habitation pattern in the slums is congested with insufficient open space
20	A.M. Ghosh Road 1	The condition of living in	The ownership of land belongs	10	No National highway	Major population is living in	Majority portion of roads are	Habitation pattern in the slums is

		the slum is unhygienic	to beneficiaries own land.		is pass from the area. Main PWD road is 1 KM away from the slum.	huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Kucha or brick road or damaged roads .	congested with insufficient open space
21	Napit Para	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	8	No National highway is pass from the area. Main PWD road is 2 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
22	Dharmatala Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	10	No National highway is pass from the area. Main PWD road is 2 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
23	Dr. M. N. Sarkar Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	15	No National highway is pass from the area. Main PWD road is 2 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
24	A.M. Ghosh Road 2	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries	12	No National highway is pass from the	Major population is living in huts, made of	Majority portion of roads are Kucha or brick road	Habitation pattern in the slums is congested with

			own land.		area. Main PWD road is 1 KM away from the slum.	darma / bricks with tin sheets and asbestos/tiles on roof	or damaged roads.	insufficient open space
25	D.N. Ghosh Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	11	No National highway is pass from the area. Main PWD road is 1 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
26	Dr.Umesh Mitra Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	8	No National highway is pass from the area. Main PWD road is 1 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
27	Sekh Para (Pokpari)	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	15	No National highway is pass from the area. Main PWD road is 1 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
28	Nandanpur Kamarpara	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	13	No National highway is pass from the area. Main	Major population is living in huts, made of darma / bricks	Majority portion of roads are Kucha or brick road or damaged	Habitation pattern in the slums is congested with insufficient open space

					PWD road is 1 KM away from the slum.	with tin sheets and asbestos/tiles on roof	roads.	
29	Mallick Para 1	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	12	No National highway is pass from the area. Main PWD road is 2 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
30	Dhopa Para	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	8	No National highway is pass from the area. Main PWD road is 1 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
31	Halder Para 1	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	25	No National highway is pass from the area. Main PWD road is 1 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
32	A.T. Mukherjee Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	30	No National highway is pass from the area. Main PWD road is 1	Major population is living in huts, made of darma / bricks with tin sheets and	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space

					KM away from the slum.	asbestos/tiles on roof		
33	Aadhar Das Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	30	No National highway is pass from the area. Main PWD road is 1 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
34	Dhali Para. Setna Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	25	No National highway is pass from the area. Main PWD road is 0.5 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
35	F.P. School	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	18	No National highway is pass from the area. Main PWD road is KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
36	B.C. Pramanick Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	10	No National highway is pass from the area. Main PWD road is 1 KM away	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/ti	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space

					from the slum.	les on roof		
37	Golam Rasul Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	12	No National highway is pass from the area. Main PWD road is 1 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
38	M.G.Road 3	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	25	No National highway is pass from the area. Main PWD road is 0.5 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
39	M. A. Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	10	No National highway is pass from the area. Main PWD road is 0.5 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
40	2nd Bachelar Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	10	No National highway is pass from the area. Main PWD road is 0.5 KM	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/ti	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space

					away from the slum.	les on roof		
41	Kazipara 2nd Lane	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	11	No National highway is pass from the area. Main PWD road is 0.5 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
42	K.P. Mondal Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	11	No National highway is pass from the area. Main PWD road is 1 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
43	Kapalipara 1st Lane	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	10	No National highway is pass from the area. Main PWD road is 0.5 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
44	M.M. Dutta Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	15	No National highway is pass from the area. Main PWD road is	Major population is living in huts, made of darma / bricks with tin sheets and	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space

					0.5 KM away from the slum.	asbestos/tiles on roof		
45	M.G. Road 4	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	20	No National highway is pass from the area. Main PWD road is 0.5 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
46	Mallick Para 2	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	10	No National highway is pass from the area. Main PWD road is 0.5 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
47	Bonjanheria	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	8	No National highway is pass from the area. Main PWD road is 0.5 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the slums is congested with insufficient open space
48	Majher Para	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	10	No National highway is pass from the area. Main	Major population is living in huts, made of darma / bricks	Majority portion of roads are Kucha or brick road or damaged	Habitation pattern in the slums is congested with insufficient open space

					PWD road is 0.5 KM away from the slum.	with tin sheets and asbestos/tiles on roof	roads.	

For the following reasons Budge Budge Municipality selected the Non - slums namely mentioned below as first project for preparation of DPR under Pradhan Mantri Awas Yojana:

Sl. No	Name of the Non - Slums	Status	Land	Age of area	National High Way	Status of Housings	Road Status	Habitation pattern
1	B.B. Trunk Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	30	No National highway is pass from the area. Main PWD road is 2 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the area is congested with insufficient open space
2	M.G. Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	30	No National highway is pass from the area. Main PWD road is 3 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the area is congested with insufficient open space
3	N.S. Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	35	No National highway is pass from the area. Main PWD road is 1	Major population is living in huts, made of darma / bricks with tin sheets and	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the area is congested with insufficient open space

					KM away from the slum.	asbestos/tiles on roof		
4	Dharmatala Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	50	No National highway is pass from the area. Main PWD road is 2 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the area is congested with insufficient open space
5	Aadhar Das Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	30	No National highway is pass from the area. Main PWD road is 0.5 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the area is congested with insufficient open space
6	S.N. Banerjee Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	35	No National highway is pass from the area. Main PWD road is 2 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the area is congested with insufficient open space
7	S.N.Banerjee Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiari	25	No National highway is pass from the	Major population is living in huts, made of	Majority portion of roads are Kucha or brick road	Habitation pattern in the area is congested with

			es own land.		area. Main PWD road is 2 KM away from the slum.	darma / bricks with tin sheets and asbestos/tiles on roof	or damaged roads.	insufficient open space
8	M.N. Sarkar Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	30	No National highway is pass from the area. Main PWD road is 2 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the area is congested with insufficient open space
9	Meheta Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	20	No National highway is pass from the area. Main PWD road is 2 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the area is congested with insufficient open space
10	MN Sarkar Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	15	No National highway is pass from the area. Main PWD road is 2 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the area is congested with insufficient open space
11	A.L.Daw Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	10	No National highway is pass from the area. Main	Major population is living in huts, made of darma / bricks	Majority portion of roads are Kucha or brick road or damaged	Habitation pattern in the area is congested with insufficient open space

					PWD road is 2 KM away from the slum.	with tin sheets and asbestos/tiles on roof	roads.	
12	S.V. Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	20	No National highway is pass from the area. Main PWD road is 2 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the area is congested with insufficient open space
13	A.M.Ghosh Road	The condition of living in the slum is unhygienic	The ownership of land belongs to beneficiaries own land.	25	No National highway is pass from the area. Main PWD road is 2 KM away from the slum.	Major population is living in huts, made of darma / bricks with tin sheets and asbestos/tiles on roof	Majority portion of roads are Kucha or brick road or damaged roads.	Habitation pattern in the area is congested with insufficient open space

Housing Status (For the Year 2018-19)

Housing is the constituent of the social infrastructure of the economy. Like the other constituents, such as the system of education and health, housing also can either reduce or enhance the disparities in the society.

House Type /Structure (For the Year 2018-19)

Sl. No.	Ward No.	Slum Code	Name of the Slum	Semi - Pucka	Katcha	Total
1	1	SC 001	D.P.J. M. Road	4	2	6
2		SC 002	N.S. Road	6	3	9
3	2	SC 003	A.L. Daw Road	3	1	4
4		SC 004	S.N. Ghosh Road	18	3	21
5	4	SC 009	R.N. Tagore Road	4	1	5
6		SC 010	Lesli Road 1st Lane	5	0	5
7		SC 011	Lesli Road 2nd Lane	1	0	1
8		SC 012	Lesli Road 3rd Lane	1	1	2
9		SC 013	C.C. Karmakar Road	6	3	9
10	5	SC 014	M.G Road1	2	1	3
11		SC 015	Vidyasagar Road (Jute Mill)	17	11	28
12	6	SC 016	Chanditola Road	65	22	87
13		SC 017	Kazipara 1st Lane	18	5	23
14	7	SC 018	Khaldhar Para	0	1	1
15		SC 019	Usuf Sanfui Road	3	2	5
16		SC 020	Bagmari	14	10	24
17	8	SC 021	Jakir Para	7	5	12
18		SC 022	Khan Para	56	21	77
19	9	SC 025	Mandir Para	2	5	7
20	10	SC 026	A. M. Ghosh Road1	1	4	5
21		SC 027	Napit Para	3	6	9
22	11	SC 028	Dharmotala Road	2	4	6
23		SC 029	Dr. M.N. Sarkar Road	8	6	14
24		SC 030	A.M. Ghosh Road2	0	3	3
25		SC 031	D. N. Ghosh Road	13	12	25
26		SC 032	Dr. Umesh Mitra Road	0	2	2
27	12	SC 034	Sekh Para (Pokpari)	3	5	8
28		SC 035	Nandanpur Kamarpara	1	3	4
29		SC 036	Mallick Para1	3	3	6
30		SC 037	Dhopa Para	1	0	1
31	13	SC 038	Haldar Para1	7	9	16
32	14	SC 040	A.T. Mukherjee Road	1	0	1

33		SC 041	Adhar Das Road	4	4	8
34		SC 042	Dhali Para, Setna Road	4	1	5
35	15	SC 046	F.P. School	1	1	2
36	16	SC 047	B.C. Pramanik Road	19	23	42
37	17	SC 054	Gulam Rasul Road	1	0	1
38		SC 055	M.G. Road3	2	6	8
39		SC 056	M.A. Road	3	8	11
40		SC 057	2nd Bachelor Road	2	2	4
41	18	SC 061	Kazipara 2nd Lane	3	3	6
42		SC 062	K.P. Mondal Road	15	18	33
43		SC 063	Kapalipara 1st Lane	2	4	6
44		SC 064	M.M. Dutta Road	1	2	3
45	19	SC 067	M.G. Road4	0	1	1
46		SC 068	Mallick Para2	7	11	18
47		SC 069	Banjonheria	10	14	24
48		SC 070	Majher Para	0	1	1
			TOTAL	**349**	**253**	**602**

Sl. No.	Ward No.	Name of the Non - Slum	Semi - Pucka	Kachha	Total
1	2	B.B TRUNK ROAD	1	0	1
2		M.G. ROAD	1	0	1
3		N.S ROAD	2	1	3
4	12	DHARMATALA ROAD	15	10	25
5	13	ADHAR DAS ROAD	4	1	5
6		S.N. BANERJEE ROAD	1	0	1
7	14	S.N BANERJEE ROAD	5	0	5
8	15	M.N.SARKAR ROAD	27	11	38
9	16	MEHATA ROAD	9	2	11
10		MN SARKAR ROAD	15	6	21
11	17	AL DAW ROAD	3	0	3
12	18	S V ROAD	3	2	5
13	19	A. M. GHOSH ROAD	2	1	3
		TOTAL	**88**	**34**	**122**

Proposed Intervention

In line with the vision to **'housing for all'**, an integrated housing programme is proposed to be implemented. The target will be all the slum dwellers in the pocket. In situ single dwelling units are proposed.

Building type	Number of DU
In situ single Unit	724 within 48 slums and 13 non slums

Building Plan

The buildings are proposed to cover an area of approximate 32.18Sq. mt along with provision of 2 rooms, kitchen and sanitation facility. The layout, size and type design of housing dwelling units depends on the local conditions and the preferences of the beneficiary. The houses, has been designed in accordance with the desire of the beneficiaries, keeping in view the climatic conditions and the need to provide ample space, kitchen, ventilation, sanitary facilities, etc. and the community perceptions, preferences and cultural attitudes.
In line with the scheme, carpet area of the house will be not less than 25.37sq. mts and preferably two room accommodation plus kitchen and toilet should be constructed.

Building material

- PCC (1:3:6) for foundation
- RCCM-20 for substructure & superstructure (Column, Beam, Slab)
- HYSD Steel
- 1st class Brick Masonry
- 1:6 (Cement: Sand) plaster– 10 mm on soft of beam &slab, 15 mm on internal walls & 20 mm on external walls
- IPS flooring

Structural Design

- Following are the general considerations in the analysis /design.
- For all structural elements, M20 grade concrete and Fe 415 grade of steel isused.
- Plinth beams passing through the 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 125 mm thick with20 mm External plaster and 12mm thick in terna plaster are considered.
- Seismic loads are considered acting in the horizontal direct on along either of the two principal directions.

Design data

- Live load: 2.0kN/m2 at typical floor
- 1.5 kN/m2 on terrace (With Access): 0.75kN/m 2 n terrace (without Access) Floor finish 50mm (0.05*24)= : 1.2kN/m2

- Ceiling plasters 12mm (0.012*20.8): 0.25kN/m2
- Partition walls (Wherever Necessary): 1.0kN/m2
- Terrace finish: 1.5kN/m2
- Earth quake load: AsperIS-1893(Part1)- 2002
- Depth of foundation be 1own ground: 0.7m
- Walls: 250 mm thick brick masonry walls at external and125mm walls internal.

Reference codes:

- IS456:2000-Code of practice-Plain and Reinforced concrete.
- IS: 1893:2002- Criteria for Earthquake resistant design of structures (Part-1IS: 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.

Identification of Beneficiaries

Municipality, Municipal Corporation, in consultation with State Urban Development Agency (SUDA), will approve the phasing of the beneficiaries in the region. The beneficiaries so identified and the projects so prepared shall be done in consultation with the committees and community development societies already existing in that particular city. The identification of beneficiaries will be on the basis of the base line survey already conducted under PMAY Demand Survey.

Allotment of Houses

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

Town Planning Norms

Up-gradation of existing constructions and construction of new houses shall only be taken after approval of the layout by the urban local body. Respective State Govts. May relax some town planning norms for sanction of such layout Plans, to facilitate HOUSING SCHEME, however, minimum acceptable standards of Town Planning will need to be set and followed.
All planning are done as per UDPFI & CPHEOO guidelines and local Municipal Bye-laws.

Compliance with Municipal Bye laws

All designs & drawings are created keeping in line with the municipal bye laws.

Tenure

Un like rural areas, land is scarce in urban areas particularly in large metropolises. Under HOUSING SCHEME, the responsibility for providing land for the project rests with the State Government or its agencies.

Summary of Investment

Project Costing

The costing for the individual sectors has been made on the basis of applicable Schedule of Rates. The details of each of the sub-projects have been provided in the respective sections.

The cost components include:

Infrastructure:
Cost of infrastructure development/up-gradation including water supply, storm water drainage, roads (BT & CC) & drainage etc.

Housing:
Construction Costs would need to be arrived from the various components that are proposed to be implemented and would vary depending on the development option identified.

GOI Contribution:
PMAY scheme guidelines stipulate that, 1.5 lakh of the unit cost of dwelling unit.
The Central share would be available as per milestones set out in Memorandum of Agreement (MoA).

Beneficiary Contribution:
In order to ensure beneficiaries interest, financial contribution by the beneficiaries is critical. The share of beneficiary contribution in housing proposed to be a minimum of 25000.

State Contribution:
The decision would be left to the remaining share would have to be arranged by the State. State will contribute 5% of total Dwelling cost for infrastructure.

ULB Contribution:
ULB have no contribution on dwelling unit cost. ULB will contribute 5% of total Dwelling cost for infrastructure.

In the 1st Meeting of SLSMC of West Bengal it has been decided that the flowing funding pattern should be adopted for implementation of PMAY until further revision.

Type of City/Towns as per 2011 census	Component	Contribution of			
		Central Rs.(Lakhs)	State Rs.(Lakhs)	ULB Rs.(Lakhs)	Beneficiaries Rs.(Lakhs)
Total cost of Beneficiary LED Construction	Housing	1.5	1.93	Nil	0.25
	Infrastructure	Nil	5 %	5 %	Nil

Project Cost and Financing Strategy (For the year2018-19):

For Dwelling Unit

Total no of Dwelling unit = 724 Nos
Rate per Dwelling unit = 3.68 Lakh
Total Cost of Dwelling unit = 724 x 3.68 = 2664.32 Lakh
Central Share = 724 x 1.5 Lakh = 1086 Lakh
State Share = 724 x 1.93 Lakh = 1397.32 Lakh
Beneficiary Share = 724 x 0.25 Lakh = 181 Lakh
ULB Share = NIL

For Infrastructure

10 % of total Dwelling unit cost = 2664.32 Lakh x 10% = 266.432 Lakh
Central Share = NIL
State Share = 50% x 266.432 Lakh = 133.216 Lakh
Beneficiary Share = NIL
ULB Share = 50% x 266.432 Lakh = 133.216 Lakh

The total project cost will be = (2664.32 + 266.432) = 2930.752 Lakh.

Out of these, 2664.32 Lakh is the cost of Housing Infrastructure. The following table shows the share of cost between housing infrastructure & Physical Infrastructure.

Table: Cost Break up between Housing & Infrastructure

SlNo.	Component	Cost on Lakh
1.	Housing Cost	2664.320
2.	Infrastructure Cost	266.432
	Total	2930.752

Housing for All Plan of Action (HFAPoA)

In Intervention Plan, Budge Budge Municipality takes only three verticals i.e. "Affordable Housing in partnership" , Credit Linked subsidy and another vertical is " Beneficiary led construction". From present Demand Assessment survey for Housing for all (HFA), it is noticed that 8582 household covering under this project. Out of these 8582 houses, 4609 houses will be constructed through "Beneficiary-led-Construction", 1909 houses will be constructed through "Affordable housing in partnership" and 2064 houses will be constructed through "Credit Linked Subsidy". Under "Beneficiary-led-Construction" each beneficiary will get 1.5 lakh from central assistance

Details of central assistance is given in the following tables:

II. Slum-wise Intervention strategies for Untenable Slums and Non-PPP Slums				
Name of the Slum	Area of the Slum in sq. mtrs	Total No. of Slum Households as per USHA Data *	Proposed Development Strategy i. Affordable Housing Project (AHP) ii. Credit Linked Subsidy Scheme (CLSS) iii. Beneficiary Led Construction iv. Clubbing with other Tenable Slums**	Proposed Year of Intervention
D.P.J. M. Road	20000	168	AHP(33), CLSS(150), BLC(52)	FY 2018-19
N.S. Road	20000	118	AHP(9), CLSS(24), BLC(23)	FY 2021-22
A.L. Daw Road	56000	96	AHP(11), CLSS(27), BLC(35)	FY 2018-19
S.N. Ghosh Road	54000	270	AHP(11), CLSS(15), BLC(161)	FY 2019-20
Kayla Sarak	27000	145	AHP(5), CLSS(5), BLC(104)	FY 2019-20
Gangar Dhar	23000	99	AHP(5), CLSS(20), BLC(42)	FY 2016-17
Jele Para1	23000	245	AHP(11), CLSS(27), BLC(43)	FY 2016-17
Dhara Para	14000	160	AHP(31), CLSS(22), BLC(69)	FY 2016-17
R.N. Tagore Road	42000	87	AHP(32), CLSS(21), BLC(57)	FY 2015-16
Lesli Road 1st Lane	26000	60	AHP(39), CLSS(20), BLC(44)	FY 2016-17
Lesli Road 2nd Lane	9000	69	AHP(3), CLSS(10), BLC(7)	FY 2015-16
Lesli Road 3rd Lane	38000	182	AHP(13), CLSS(30), BLC(51)	FY 2019-20
C.C. Karmakar Road	14000	39	AHP(64), CLSS(20), BLC(104)	FY 2015-16
M.G Road1	46000	84	AHP(25), CLSS(21), BLC(10)	FY 2021-22
Vidyasagar Road (Jute Mill)	59000	343	AHP(4), CLSS(147), BLC(19)	FY 2015-16
Chanditola Road	115000	399	AHP(22), CLSS(20), BLC(259)	FY 2016-17
Kazipara 1st Lane	15000	119	AHP(42), CLSS(20), BLC(55)	FY 2015-16
Khaldhar Para	4000	426	AHP(6), CLSS(21), BLC(0)	FY 2019-20
Usuf Sanfui Road	125000	421	AHP(109), CLSS(22), BLC(46)	FY 2021-22
Bagmari	69000	144	AHP(323), CLSS(61), BLC(52)	FY 2018-19
Jakir Para	66000	159	AHP(1), CLSS(5), BLC(99)	FY 2016-17
Khan Para	20000	181	AHP(38), CLSS(20), BLC(367)	FY 2015-16
Koyal Para	49000	149	AHP(1), CLSS(4), BLC(10)	FY 2021-22
Dutta Para	34000	158	AHP(2), CLSS(1), BLC(37)	FY 2020-21
Mandir Para	19000	42	AHP(20), CLSS(22), BLC(41)	FY 2021-22

A. M. Ghosh Road1	16000	192	AHP(52), CLSS(25), BLC(41)	FY 2019-20
Napit Para	25000	163	AHP(43), CLSS(25), BLC(40)	FY 2020-21
Dharmotala Road	49000	41	AHP(10), CLSS(20), BLC(49)	FY 2018-19
Dr. M.N. Sarkar Road	74000	67	AHP(29), CLSS(21), BLC(51)	FY 2020-21
A.M. Ghosh Road2	17000	86	AHP(20), CLSS(20), BLC(0)	FY 2021-22
D. N. Ghosh Road	100000	151	AHP(80), CLSS(22), BLC(118)	FY 2020-21
Dr. Umesh Mitra Road	40000	82	AHP(9), CLSS(10), BLC(12)	FY 2020-21
M.G. Road2	39000	21	AHP(10), CLSS(25), BLC(20)	FY 2018-19
Sekh Para (Pokpari)	30000	166	AHP(15), CLSS(27), BLC(21)	FY 2016-17
Nandanpur Kamarpara	182000	50	AHP(9), CLSS(20), BLC(0)	FY 2021-22
Mallick Para1	31000	34	AHP(20), CLSS(25), BLC(19)	FY 2018-19
Dhopa Para	8000	36	AHP(7), CLSS(10), BLC(0)	FY 2016-17
Haldar Para1	12000	32	AHP(4), CLSS(30), BLC(26)	FY 2019-20
D.B.C.R Road	6000	24	AHP(2), CLSS(13), BLC(0)	FY 2020-21
A.T. Mukherjee Road	52000	132	AHP(14), CLSS(0), BLC(0)	FY 2019-20
Adhar Das Road	52000	45	AHP(40), CLSS(28), BLC(5)	FY 2021-22
Dhali Para, Setna Road	26000	25	AHP(5), CLSS(20), BLC(0)	FY 2020-21
Rahamutulla Gali	17000	100	AHP(7), CLSS(2), BLC(91)	FY 2015-16
Haldar Para2	18000	120	AHP(10), CLSS(12), BLC(98)	FY 2019-20
Bade Kalinagar Mondal Para	99000	262	AHP(25), CLSS(5), BLC(232)	FY 2018-19
F.P. School	15000	44	AHP(8), CLSS(26), BLC(71)	FY 2015-16
B.C. Pramanik Road	32000	167	AHP(100), CLSS(31), BLC(101)	FY 2020-21
Baganpara	19000	135	AHP(3), CLSS(2), BLC(125)	FY 2021-22
Naskar Para	18000	173	AHP(41), CLSS(14), BLC(105)	FY 2019-20
Mondal Para	8000	63	AHP(0), CLSS(0), BLC(63)	FY 2021-22
Jelepara2	4000	71	AHP(22), CLSS(0), BLC(49)	FY 2018-19
Das Para	14000	107	AHP(8), CLSS(10), BLC(79)	FY 2020-21
Bagdi Para	12000	85	AHP(14), CLSS(0), BLC(71)	FY 2018-19
Gulam Rasul Road	16000	183	AHP(29), CLSS(21), BLC(91)	FY 2016-17
M.G. Road3	32000	78	AHP(9), CLSS(40), BLC(100)	FY 2018-19
M.A. Road	31000	293	AHP(4), CLSS(5), BLC(111)	FY 2015-16
2nd Bachelor Road	24000	160	AHP(6), CLSS(0), BLC(124)	FY 2018-19
Khaldhar	28000	31	AHP(0), CLSS(3), BLC(28)	FY 2018-19
Bachelor Road	7000	29	AHP(4), CLSS(6), BLC(19)	FY 2018-19
K.P. 1st Lane	36000	83	AHP(1), CLSS(0), BLC(0)	FY 2019-20
Kazipara 2nd Lane	138000	70	AHP(34), CLSS(5), BLC(10)	FY 2018-19
K.P. Mondal Road	29000	25	AHP(42), CLSS(37), BLC(274)	FY 2018-19
Kapalipara 1st	54000	80	AHP(18), CLSS(27), BLC(22)	FY 2020-21
M.M. Dutta Road	21000	71	AHP(20), CLSS(20), BLC(14)	FY 2015-16
Sani Para	20000	30	AHP(0), CLSS(0), BLC(2)	FY 2018-19
M.H. Khan Road	7000	22	AHP(4), CLSS(2), BLC(15)	FY 2015-16
M.G. Road4	23000	97	AHP(4), CLSS(17), BLC(9)	FY 2018-19

Mallick Para2	262000	281	AHP(27), CLSS(79), BLC(150)	FY 2016-17
Banjonheria	25000	77	AHP(35), CLSS(75), BLC(191)	FY 2018-19
Majher Para	17000	58	AHP(18), CLSS(3), BLC(3)	FY 2018-19
Tarif Para	110000	105	AHP(0), CLSS(1), BLC(0)	FY 2018-19
Masjid Para (Caledonian Jute Mill Side)	11000	32	AHP(36), CLSS(180), BLC(40)	FY 2015-16
Setna Road	6000	37	AHP(1), CLSS(141), BLC(2)	FY 2015-16

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	0	0	0.00	13	500	7.50	0	0	0.00	0	0	0	500	7.50
2016-17	0	0	0.00	10	796	11.94	45	372	0.00	69	349	5.235	1517	17.18
2018-19	0	0	0.00	10	796	11.94	45	372	0.00	69	350	5.25	1518	17.19
2018-19	0	0	0.00	10	796	11.94	45	372	0.00	69	350	5.25	1518	17.19
2019-20	0	0	0.00	10	796	11.94	45	372	0.00	69	350	5.25	1518	17.19
2020-21	0	0	0.00	10	796	11.94	45	372	0.00	69	350	5.25	1518	17.19
2021-22	0	0	0.00	10	0	0.00	0	0	0.00	0	0	0	0	0.00
Total	**0**	**0**	**0.00**	**0**	**4480**	**67.20**	**0**	**1860**	**0.00**	**0**	**1749**	**26.24**	**8089**	**93.44**

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 Benificiaries	Amount	No. of Beneficiaries	Amount
2015-16	0	**0.00**	**0**		0	0	**0**	**0**	**0**	**0.00**
2016-17	0	**0.00**	**51**	**0.00**	0	0	**152**	**2.28**	**203**	**2.28**
2018-19	0	**0.00**	**51**	**0.00**	0	0	**152**	**2.28**	**203**	**2.28**
2018-19	60	**0.90**	**51**	**0.00**	0	0	**152**	**2.28**	**263**	**3.18**
2019-20	69	**1.04**	**51**	**0.00**	160	2.40	**152**	**2.28**	**272**	**5.72**
2020-21	0	**0.00**	**0**	**0.00**	0	0	**152**	**2.28**	**152**	**2.28**
2021-22	0	**0.00**	**0**	**0.00**	0	0	**152**	**2.28**	**152**	**2.28**
Total	**129**	**1.94**	**204**	**0.0**	**160**	**2.40**	**912**	**13.68**	**1245**	**18.02**

Year	Future projected urban Poor HHS
2015	
2016	152
2017	152
2018	152
2019	152
2020	152
2021	152
2022	152

V. Year-wise targets under different components		
Interventions	Number of Beneficiaries and Central Assistance Required (Rs. in Crores)	Total

		2015-16		2016-17		2018-19		2018-19		2019-20		2020-21		2021-22			
		No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount
Redevelopment through Private Participation	Slums	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Subsidy for beneficiary-led/ improvement of existing house	Slums	500	7.50	796	11.94	796	11.94	796	11.94	796	11.94	796	11.94	0	0.00	4480	67.20
	Non-Slums	0	0.00	0	0.00	0	0.00	60	0.90	69	1.04	0	0.00	0	0.00	129	1.94
Credit linked subsidy to individual beneficiaries	Slums	0	0.00	372	0.00	372	0.00	372	0.00	372	0.00	372	0.00	0	0.00	1860	0.00
	Non-Slums	0	0.00	51	0.00	51	0.00	51	0.00	51	0.00	0	0.00	0	0.00	204	0.00
Affordable Housing in Partnership (AHP)	Slums	0	0.00	349	5.24	350	5.25	350	5.25	350	5.25	350	5.25	0	0.00	1749	26.24
	Non-Slums	0	0.00	0	0.00	0	0.00	0	0.00	160	2.40	0	0.00	0	0.00	160	2.40
Future Urban Poor projection(AHP)	NA	0	0.00	152	2.28	152	2.28	152	2.28	152	2.28	152	2.28	152	2.28	912	13.68
TOTAL		500	7.5	1720	19.455	1721	19.47	1781	20.37	1950	22.91	1670	19.47	152	2.28	9494	111.45

Post Project Monitoring

Sector wise monitoring and implementation plan

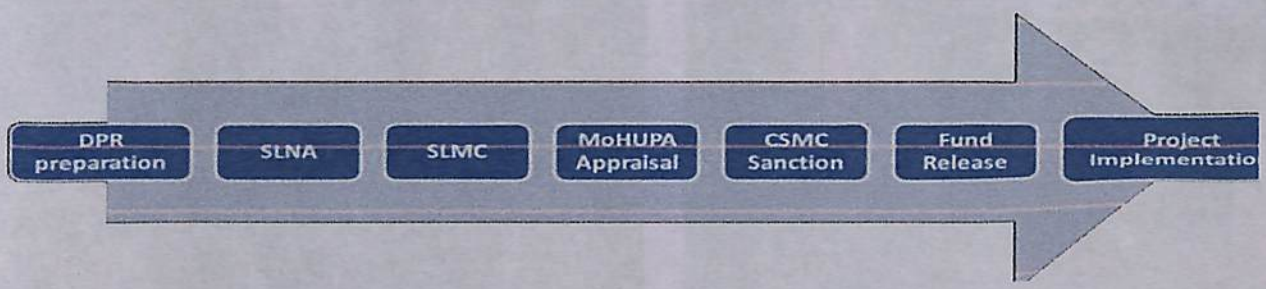
A strong implementation plan and administration frame work is essential or implementation of the identified projects that require strengthening of the Municipal Corporation and evolution of a Community Structure.
Accurate assessment of investment requirements and devising suitable financing strategy are the key components of any sustainable slum rehabilitation program. Implementing bodies must recognize and measure the various costs of developing infrastructure and housing, including the costs for subsequent maintenance. As the scheme is a collaborative effort of multiple stakeholders, with a few of them contributing financially as well, it is important to estimate the required capital expenditure for developing the infrastructure and improving the housing stock as accurately as possible.

National Level
PMAY Mission Directorate

There shall be a PMAY Mission Directorate under the charge of a Joint Secretary under the Ministry of Housing and Urban Poverty Alleviation, supported by staff and a Programme Management Unit with experts having expertise in the areas of survey and statistics, computerization and MIS, Planning, Project engineering ,Social development ,Monitoring and evaluation etc. for ensuring effective co-ordination with State Governments for expeditious processing of the State Slum-free PoAs and project proposals and providing hand holding support to States/UTs.

State Level
PMAY Mission Director

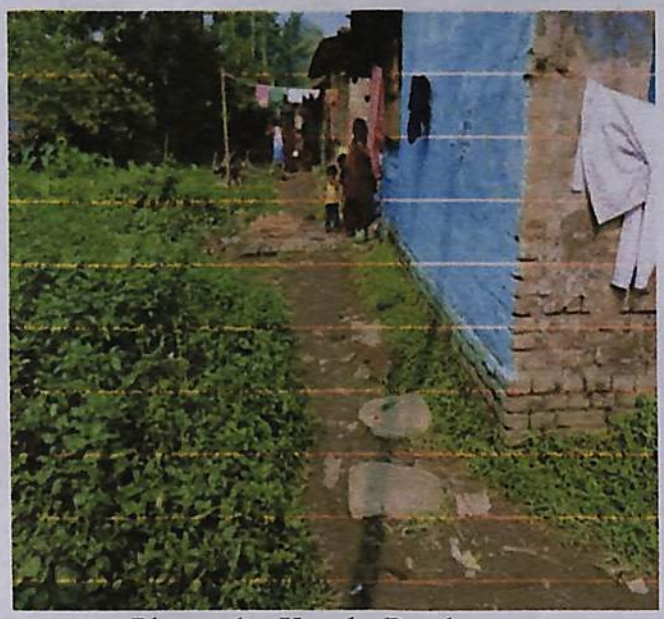
The State Level Nodal Agency for PMAY/SUDA, West Bengal will have coordination of all scheme and reform-related activities more than one department handling urban development, Local self-government, and Housing. SLNA. The Mission Directorate supported by a team of dedicated professionals having expertise in the fields of GIS, MIS, town planning, community development, project engineering, capacity development etc



Budge Budge Municipality

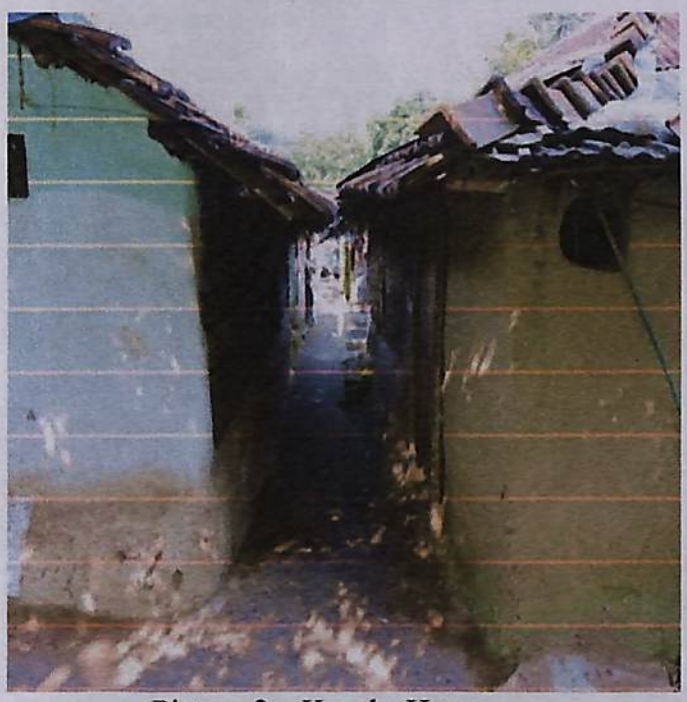
The Municipality shall act as the implementation agency for the project .Keeping in mind the criticality of the project.

Photos of slums of Budge Budge Municipality

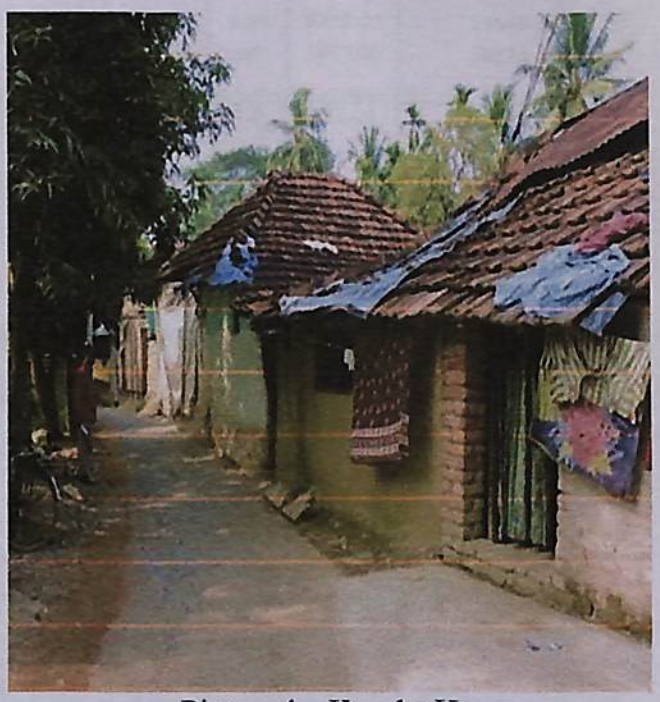


Picture 1 – Kuccha Road

Picture 2 – Kuccha Road



Picture 3 – Kuccha House



Picture 4 – Kuccha House

DETAILED ESTIMATE FOR THE CONSTRUCTION OF SINGLE UNIT DWELLING HOUSE OF BUDGE BUDGE MUNICIPALITY

Pradhan Mantri Awas Yojana Housing For All (Urban)

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

Referance 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 . **SOR, PWD, P-1, I -2 a**	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. **SOR, PWD, P-1, T/3 a**	11.120	%cu.m	7831.00	870.81
3	Supplying Laying Polithin Sheets etc. **SOR, PWD, P-45, T - 13**	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 **SOR, PWD, Page 24 ; Item -10 a**	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. **SOR, PWD, P-45, T-12**	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 **SOR, PWD, P-29, T -22(a), (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 **SOR, PWD, P-73, I -29**	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 **SOR, PWD, P-14, T -7(i)**	3.940	cu.m.	6851.66	26995.54
9	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. (a) For works in foundation, basement and upto roof of ground floor / upto 4m. (i) Tor steel/Mild steel. **SOR, PWD, P-27, T -15(i)**	0.309	MT	60705.93	18775.74
10	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.) **SOR, PWD, P-66, T -12(a)** 25 mm. to 30 mm. thick wooden shuttering as per decision & direction of Engineer-in-charge. Ground Floor	37.063	M^2	360.00	13342.68

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Budge Budge Municipality

Chairperson
Budge Budge Municipality

SL No.	Description of Works	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
11	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 **SOR, PWD, P-151, T -2 (i)(b)**	116.940	sq.m.	181.00	21166.14
	b) Out side Wall, 15mm th. **SOR, PWD, P-151, I -2 (i)(c)**	111.950	sq.m.	156.00	17464.20
	B)10mm th celling plaster (4:1) **SOR, PWD, P-151, I -2 (i)(c)**	23.330	sq.m.	140.00	3266.20
12	Neat cement punning about 1.5mm thick in wall, dado, window, sills, floor, drain etc. **SOR, PWD, P-152, I -8**	26.700	sq.m.	38.00	1014.60
13	Artificial stone in floor,dado, staircase etc. with cement conctrete (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 **SOR, PWD, P-40, I -3 (i)**	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 omplete as per direction. 40mm x 6mm x 125 mm length. (Cost of cement concrete will be paid separately) **SOR, PWD, P-90, I -18 (c)**	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 **SOR, PWD, P-85, T -1(i)**	0.213	cu.m.	46171.00	9834.42
16	Panel Shutter of door & Window (each Panal Consisting Of single Plan without Join) 25 mm thick shutter with 12 mm thick Panal of size 30 to 45 cm. Other Local wood **SOR, PWD, P-105, I -84 (iv)c**	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 **SOR, PWD, P-91, T -20(iv)**	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 **SOR, PWD P-93, I-25,c**	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 **SOR, PWD, P-155, I -3 (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 **SOR, PWD, P-155, I - 4(ii)(a)**	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 smoothening surfaces by sand papering etc. 1) On timber surface **SOR, PWD, P - 162, I - 7(a)**	21.690	sq.m.	41.00	889.29
	2) On Steel Surface **SOR, PWD, P - 162, I - 7(b)**	2.700	sq.m.	31.00	83.70
22	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 : With super gloss (hi-gloss)-With any shade except white. a) On timber or plastered surface Two Coats	21.690	sq.m.	89.00	1930.41
	b) On Steel surface Two Coats **SOR, PWD, P - 162, - 8A(aii),(bii)**	2.700	sq.m.	86.00	232.20

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SL No.	Description of Works	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
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 **SOR, PWD, P-93, I - 27c**	2.000	each	193.00	386.00
24	Precast piered concrete jally work as per design and manufacture'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 **will not be** issued by deptt. **SOR, PWD, P-32, I - 38 (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. **P-173, I-21 A (ii), C(ii), D(ii)** **SOR, PWD, P173, I - 21 A (ii), C(ii), D(ii)**				
	i) UPVC Pipe 110 mm dia	3.000	Mtr.	291.00	873.00
	ii) UPVC Bend 87.5 degree 110 mm dia	2.000	each	162.00	324.00
	iii) UPVC Shoe 110 mm	1.000	each	128.00	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 to16 kg/m2 **SOR, PWD, P - 76, I - 10 (i)** ***(2.70sqm @ 10.5kg per sqm = 28.35 kg)***	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 **SOR, PWD, (Sanitary) P - 65, I - 1 (iii)**	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. **SOR, PWD, (Sanitary) P - 66, I - 9**	1.000	Pair	70.00	70.00
29	Supplying,fitting and fixing cast iron 'P' or 'S' trap conformimg to I.S. 3989 / 1970 and 1729 / 1964 including lead caulked joints and painting two coats to the exposed surface. S Trap 100 mm **SOR, PWD, (Sanitary) P - 54, I - 14(B-iii)**	1.000	each	923.00	923.00
30	Supplying, fitting fixing CI Round Gratings 150mm dia **SOR, PWD, (Sanitary) P - 55, I - 18(ii)**	1.000	Each	100.00	100.00
	Construction of 2 circular leach pit of inside diameter 1000 mm. & a depth of 1000 mm. With a layer of 250 mm. Thick brick work with cement morter (6:1) & 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 75m. RCC slab (4:2:1) with 8mm tor steel @ 150 mm. centre to centre both ways including plustering and neat cement punning on top of the slab and making hooking arrangment 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 renforcement 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 & polythene pipe as per requirement to connect with the inspection pit complete with all respect as per direction of EIC.(ANNEXURE-II)	1	Item	7544.00	7544.00
	TOTAL AMOUNT		**Rs.**		**350000.36**
	Say		**Rs.**		**350000.00**
	Add for Electrical Works (ANNEXURE-I)		**Rs.**		**17858.00**
	TOTAL AMOUNT		**Rs.**		**367858.00**
(Rupees Three lakh Sixty seven thousand Eight hundred & Fifty eight only)					

Say :- 3,68,000.

Sub-Assistant Engineer
Budge Budge Municipality

Chairperson
Budge Budge Municipality

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	Powerckt 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	Concealed Distribution wiring in 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 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.	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 sttranded 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 srtanded FR PVC insulated & unseathed single core sranded 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
Sl.No.	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 1 connection complete.(Anchor)	nos	808.00	2	1616.00

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Sl.No.	SOR	Item of works	Unit	Rate	Quantity	Amount
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 inclussive 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

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Detailed Estimate for Single Dwelling unit
Floor area 25.36 sqm Built up area 32.18 sqm

	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	m3			
	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	m3			
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				

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					11.548	m3			
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	m3		
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			

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	Wo2								
	1	3.05	3.05	0.25	0.1	0.076			
					(-)	2.134			
	Net brick work						15.242	m3	
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				
						26.12875			
	Less opening								
	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				
						19.28125			
	Parapet								
		23.5		0.15		3.525			
						22.806			
	passege	0.75		0.55		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	0.1	0.064			
	Lintel						3.301		
	D1	1	1.525	1.525					
	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	m3	
11	Reinforcement								

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		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				
						29.615	sqm		
	4W1	4	0.9	0.25	0.9				
		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				

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	4	2.2		0.9	7.92				
	T. 125 wall								
	2	0.9		0.125	0.225				
						121.658			
	Open out side less								
	3	0.75		2.1	4.725				
					(-)	4.725			
						116.933	sqm		
	Celling Plaster				24.47				
	Less				1.14				
						23.33	Sqm		
14	Neat cement punning								
	Out side	Plinth							
		25.3	0.45			11.385	Sqm	11.385	
	Inside		2.7	3.125					
		2		5.825	0.1	1.165	Sqm		
			2.875	2.625					
		2		5.5	0.1	1.1	Sqm		
	Kithen		2	1.65					
		2		3.65	0.45	3.285	Sqm		
		1		1.65	0.45	0.743	Sqm		
		2		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						15.31	15.31	
	Total							26.695	Sqm
15	Art. Stone flooring								
	Floor area					25.37	sqm		
	Step	2	0.9	0.25		0.45			
	W1	4	0.9	0.1		0.36			
	W2	1	0.75	0.1		0.075			
	W3	3	0.75	0.1		0.225			
							26.48	Sqm	
16	Ms Clamp for door & window								
	D1+D2	4	6			24			
	W1+W2	5	2			10			
							34	nos.	
17	Wood work in Door & window frame								
	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	m3	
18	Z batten shutter								
	D1	2	0.775	2.025		3.139			
	D2	2	0.625	2.025		2.531			
	W1	4	0.775	0.775		2.403			
	W2	1	0.775	0.625		0.484			

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							8.557	sqm	
19	Iron Butt Hinges								
	D1+D2					12			
	W1	4	4			16			
	W2	1	4			4			
							32	nos.	
20	Iron soket bolt								
	Door			6					
	Window			5					
							11	nos.	
21	White wash								
	Inside+Celling Plaster- inside punning								
			116.933	23.33	15.31		124.953	sqm	
22	Colour wash								
	Out side Plaster- out side punning								
			111.953	11.385			100.568	sqm	
23	Priming on timber sutrface								
	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 sutrface						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			27.915	sqm	

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Cost Estimate for 2 Nos Leach Pit for single unit Dwelling Unit
P.W.D Schedule of Rates effect from 1st July 2014

(ANNEXURE-II)

Sl No	Description of Items	Quantity	Unit	Rate	Amount
1	Earth work in excavation of foundation trenches or drains in all sorts of soil (including mixed soil but excluding or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches leveling dressing and ramming the bttom boiling out water aqs requred complete . Depth of exavation not existing 1500mm **P.No-1, I-2(a)**	2.500	%Cu.M	12047.00	301.18
2	Cement concrete with graded jhama Khoa ballast (30 mm size) excluding shuttering. In ground floor and foundation (a) 6:3:1 proportion.	0.050	Cu.M	5803.06	290.15
3	Brick work with 1st class bricks in cement mortar (6 :1). a) In foundation & Plinth **P.no-29, I-21(a)**	0.010	Cu.M	5719.00	57.19
4	125 mm. thick brick work with 1st class bricks in cement mortar (4 : 1) G.Floor **P.no-31, I-29**	3.000	SqM	714.00	2,142.00
5	Controlled Cement concrete with well graded stone chips (20 - mm nominal size) excluding shuttering and reinforcement with complete design of concrete as per I : 456 and relevant special publications submission of job mix formula after preliminary mlx design after testing of concrete cubes as per direction of Engineer-in charge Consumption of cement will not be less than 300 Kg of cement -with Super plasticiser per cubic meter of controlled concrete but actual consumption will be determined on- the basis of preliminary test and job mix formula. -I n ground floor and foundation. [Using concrete mixture] M 20 Grade **P.no-12, I-6(a)**	0.145	Cu.M	6871.54	996.37
6	Reinforcemnet for reinforced concrete work in all sorts of structures incl. Distribution bars, stirrups, binder etc. incl. supply of rods, initial straightening & removal of loose rust (if necessary), cutting to requisite length, hooking etc **P.no-27, I-15(a)(i)**	0.010	M.T	68508.00	685.08
7	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.				
	i) UPVC Pipe 110 mm dia **P.no-173, I-**	4.000	Mtr	291.00	1,164.00
	ii) UPVC Bend 87.5 degree 110 mm dia **P.no-174, I-21(B)C(ii)**	2.000	Each	162.00	324.00
8	Jaffri brick work 125 mm. thick with 1st class bricks in cement mortar (4:1) including 12 mm. thick cement plaster (4:1) in all faces in ground floor **.P.no-32, I-35**	2.000	SqM	792.00	1,584.00
				Cost of 2 no leach pit	7,543.97
				Total=	**7,544.00**

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Rate Analysis
Brick Work 4:1 in foundation & plinth

Step - 1	Schedule Rate	Rs	6068.00(A)
Step - 2	Deduct cost of cement=(Quanty of cement)x(Iissue rate of cement vide item no-1 column-4 Table1-1 of Annexure-1 0.055x8100	Rs	672.30(B)
Step - 3	Add cost of cement supplied by cost contractor including 10% proffite = 1.1x(Quanty of cement)x(Basik price of cement vide item no -1 column- 5 table-1-1 of annexure -1 1.1x.055x7364	Rs	672.33 (C.)
	Note;- Quantity of cement shall be same as step-2 Final Rate of item = Rs A - Rs B + Rs C = Rs D	Rs	6068.03 (D)

Rate Analysis
Ordinary Mix Concreate 1:1.5:3

Step - 1	Schedule Rate	Rs	6802.63 (A)
Step - 2	Deduct cost of cement=(Quanty of cement)x(Iissue rate of cement vide item no-1 column-4 Table 1-1 of Annexure-1 0.286x8100	Rs	2316.6 (B)
Step - 3	Add cost of cement supplied by cost contractor including 10% proffite = 1.1x(Quanty of cement)x(Basik price of cement vide item no -1 column- 5 table-1-1 of annexure -1 1.1x.286x7364	Rs	2316.71 (C.)
	Note;- Quantity of cement shall be same as step-2 Final Rate of item = Rs A - Rs B + Rs C = Rs D	Rs	6802.74 (D)

Rate Analysis
P.C.C 1:3:6 With Jhama Khoa

Step - 1	Schedule Rate	Rs	5803.00 (A)
Step - 2	Deduct cost of cement=(Quanty of cement)x(Iissue rate of cement vide item no-1 column-4 Table 1-1 of Annexure-1 0.16x8100	Rs	1296.00(B)
Step - 3	Add cost of cement supplied by cost contractor including 10% proffite = 1.1x(Quanty of cement)x(Basik price of cement vide item no -1 column- 5 table-1-1 of annexure -1 1.1x.16x7364	Rs	1296.06 (C.)
	Note;- Quantity of cement shall be same as step-2 Final Rate of item = Rs A - Rs B + Rs C = Rs D	Rs	5803.06 (D)

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Annexure - II

Format - A

(Format for Rate Analysis of Cement Concrete Item)

Item 7. Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding

Consumptionof Stone aggregate (Page B-59) 20 mm = 0.573 Cum

10 mm = 0.287 Cum

Distance of site considered = 10 Km

Steps	Quantity	Unit	Rate	Amount
Step - 1 Rate of item as per relevant section of this Schedule A =	1.00	CUM	5389.00	**5389.00**
Step - 2 Add cost of stone aggregate of different grading as per consumption required for one cum of concrete.				
(As per table:T-1)				
Station : kalyani				
20mm Nominal Size:	0.573	CUM	1463.00	838.30
10mm Nominal Size:	0.287	CUM	1296.00	371.95
Total B =				**1210.25**
Step - 3 Add cost of carriage of stone aggregate as per consumption required for one cum of concrete.				
(As per table:T-2)				
20mm Nominal Size:	0.573	CUM	178.50	102.28
10mm Nominal Size:	0.287	CUM	178.50	51.23
Total C =				**153.51**
Step - 4 Add cost for loading and unloading of stone aggregate				
(As per table:T-3)				
20mm Nominal Size:	0.573	CUM	58.00	33.23
10mm Nominal Size:	0.287	CUM	58.00	16.65
Total D =				**49.88**
Final Rate of Item = [Rs. A - Rs.B + Rs.C + Rs.D] = Rs.				**6802.64**

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ESTIMATE FOR CONSTRUCTION OF CONCRETE ROAD 2.5 METRE WIDE OF BUDGE BUDGE MUNICIPALITY

Pradhan Mantri Awas Yojana Housing For All (Urban)

PWD BUILDING SCHEDULE 2014

Sl No	Description of Items	Length	Breadh	Depth	Quantity	Unit	Rate	Amount
1	Earth work in excavation of foundation trenches or drains in all sorts of soil (including mixed soil but excluding or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches leveling dressing and ramming the bttom boiling out water aqs requred complete . Depth of exavation not existing 1500mm **P.No-1, I-2(a)**	1.00	2.5	0.400	1.000	%Cu.M	12047.00	120.47
2	Filling foundation or plinth by silver sand in layer not exceeding 150 mm. as directed and consolidating same by through saturation with water rammingcomplete. Including the cost of supply of sand. (a) by fine sand **P.No-2 , I-4(B)**	1.00	2.5	0.200	0.500	%Cu.M	110422.00	552.11
3	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth or local sand **P.no-11, I-1**	1.00	2.5		2.500	Sq.M	377.00	942.50
4	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 **P.no-24, I-10(a)**	1.00	2.5	0.125	0.313	Cu.M	6802.74	2,125.86
5	Brick edging 75 mm. wide with picked jhama bricks, laid true to line and level including cutting necessary trench in sopil or in hard metalled surface, laying the bricks and repacking the trench (on both sides of the edgeing) with spoils and ramming the same throughly, complete as per direction. (b) Brick-on-end edging (250 mm) depth. **P.No-189 , I-3(b)**	2.00			2.000	%Mtr	9392.00	187.84
6	Removal of rubbish, earth etc. from the working site and disposal of the same beyond the compound in conformity with the Municipapal /Corporation Rules forsuch disposal, loading into truck and cleaning the site in all respect as per direction of Engineer - in - Charge **P.no-9, I-13**	1.00	2.500	0.400	1.000	Cu.M	168.00	168.00
							Toatl=	**4,096.78**
							Total=	**4,097.00**

Sub-Assistant Engineer
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Budge Budge Municipality

ESTIMATE FOR CONSTRUCTION OF SUR FACE DRAIN (450X600)								
PWD BUILDING SCHEDULE 2014								
Sl No	Description of Items	Length	Breadh	Depth	Quantity	Unit	Rate	Amount
1	Earth work in excavation of foundation trenches or drains in all sorts of soil (including mixed soil but excluding or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches leveling dressing and ramming the bttom boiling out water aqs requred complete . Depth of exavation not existing 1500mm **P.No-1, I-2(a)**	1.00	1.1	0.775	0.853	%Cu.M	12047.00	102.70
2	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth or local sand **P.no-11, I-1**	1.00	1.1		1.100	Sq.M	377.00	414.70
3	Cement concrete with graded jhama Khoa ballast (30 mm size) excluding shuttering. In ground floor and foundation (a) 6:3:1 proportion.	1.00	1.1	0.100	0.110	Cu.M	5803.06	638.34
4	Brick work with 1st class bricks in cement mortar (4 :1). a) In foundation & Plinth **P.no-29, I-21(a)**	1.00	0.25	1.200	0.300	Cu.M	6068.00	1,820.40
5	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. (Gr.floor). i) With 4:1 cement mortar. a) 20 mm. Thick plaster. **P.no-151, I-2(a)**	1.00	1.7		1.700	Sq.M	206.00	350.20
6	Neat cement punning above 1.5 mm thick in wall, dado, windowsills, floor, drain etc. **P.no-152, I-8**	1.00	1.700		1.700	Sq.M	38.00	64.60
7	Aritificial stone in floor dado staircase etc. with cement concrete 1:2:4 with stone chips laid in pannels as directed with topping made with ordinary or white cement (as measured) and marble dust in porportion (2:1) including smooth finishing and round **P.no-40, I-3(ii)**	1.00	0.450		0.450	Sq.M	303.00	136.35
8	Removal of rubbish, earth etc. from the working site and disposal of the same beyond the compound in conformity with the Municipapal /Corporation Rules forsuch disposal, loading into truck and cleaning the site in all respect as per direction of Engineer - in -Charge **P.no-9, I-13**	1.00	0.950	0.775	0.7363	Cu.M	168.00	123.69
Toatl=								**3,650.98**
							Total=	**3,651.00**

Sub-Assistant Engineer
Budge Budge Municipality

Chairperson
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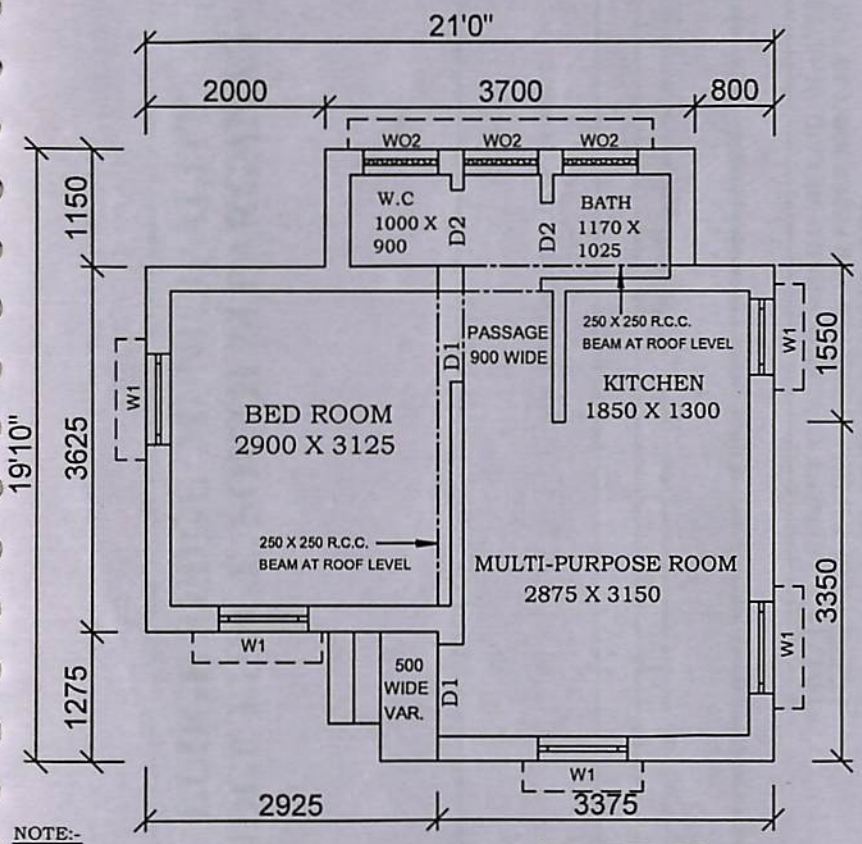
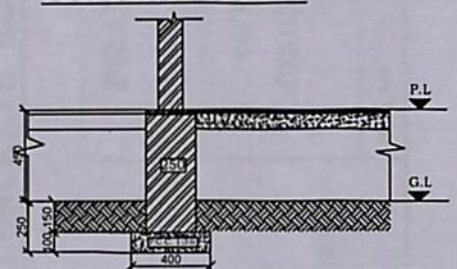
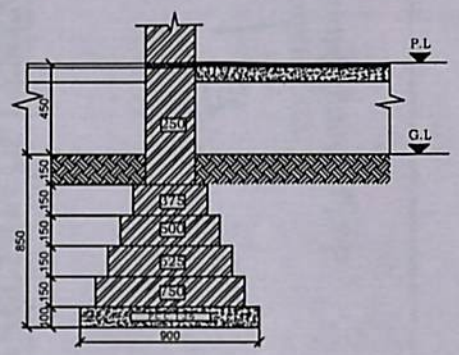


FOUNDATION DETAILS



125 MM THK. BRICK WALL



250 MM THK. BRICK WALL

NOTE:-

1. ALL WINDOW OPENINGS (W1&W2) WILL BE PROVIDED WITH Z-BATTEN SHUTTERS.
2. ALL DOORS (D1&D2) -25TH Z-BATTERN 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.

DOORS & WINDOWS SCHEDULE	
MARKING	DIMENSION
WI	900 X 900
W2	750 X 900
WO2	750 X 750
DI	900 X 2100
D2	750 X 2100

FLOOR AREA - 25.77 SQM.

BUILT UP AREA - 32.58 SQM.

PRADHAN MANTRI AWAS YOJANA

HOUSING FOR ALL (URBAN)

OFFICE OF THE CHIEF ENGINEER

MUNICIPAL ENGINEERING DIRECTORATE

GOVT. OF WEST BENGAL

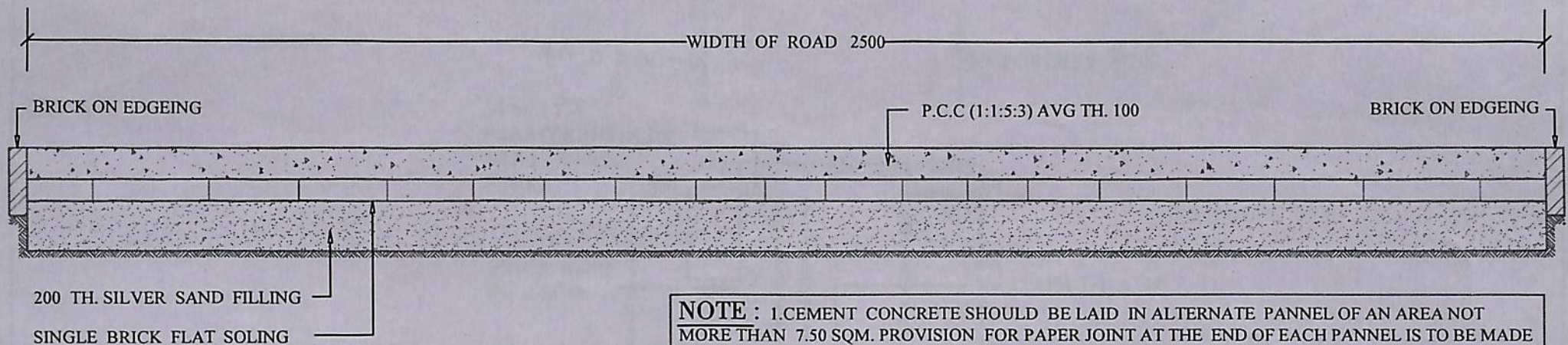
DWG. NO. | SCALE :- 1:50 & 1:25

BUDGE BUDGE MUNICIPALITY

Sub-Assistant Engineer
Budge Budge Municipality

Chairperson
Budge Budge Municipality

BUDGE BUDGE MUNICIPALITY
BUDGE BUDGE, SOUTH 24 PARGANAS



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.

TYPICAL CROSS SECTION OF CEMENT CONCRETE ROAD

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Budge Budge Municipality

PRADHAN MANTRI AWAS YOJANA
HOUSING FOR ALL (URBAN)

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

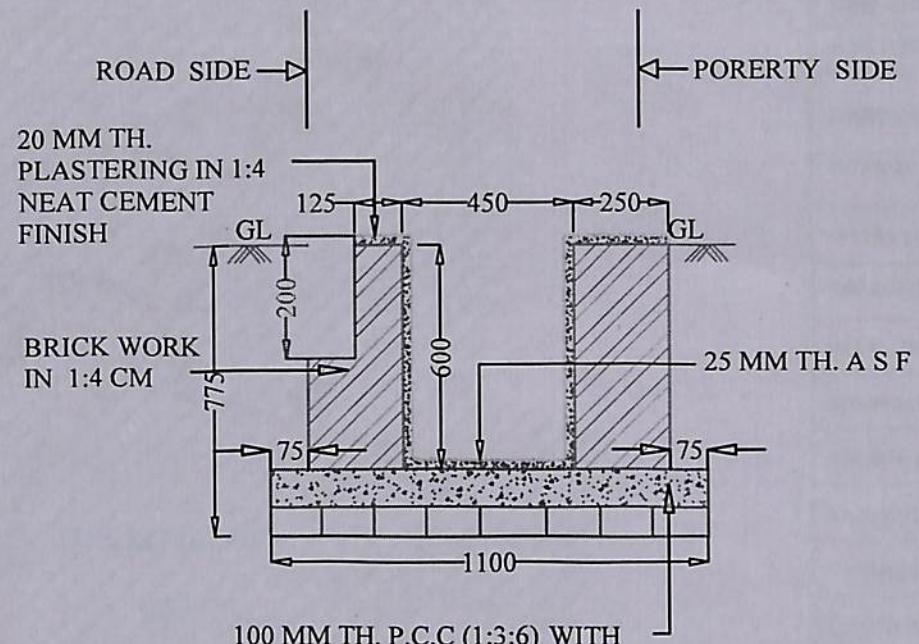
DWG. NO.

BUDGE BUDGE MUNICIPALITY

SOUTH 24 PARGANAS

CROSS SECTION OF DRAIN (450 x 600)

(SCALE - 1:50)



Sub-Assistant Engineer
Budge Budge Municipality

Chairperson
Budge Budge Municipality

Sub -Assistant Engineer
Budge Budge Municipality

Chairperson
Budge Budge Municipality

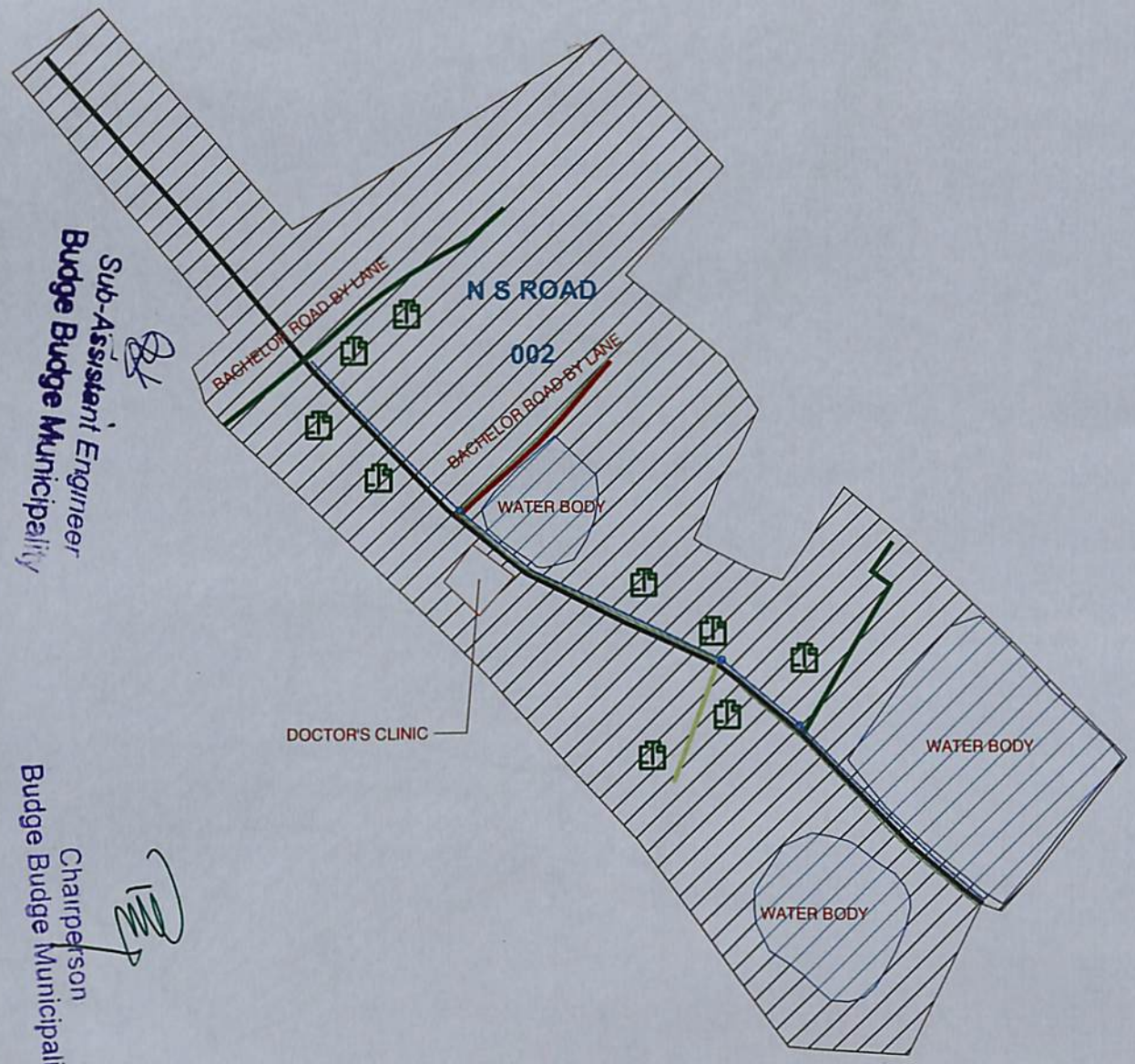
Sub Assistant Engineer
Budge Budge Municipality

Chairperson
Budge Budge Municipality

N

NAME OF PROJECT	PRADHAN MANTRI AWAS YOJANA: HOUSING FOR ALL (URBAN)
NAME OF ULB	BUDGE BUDGE MUNICIPALITY
NAME OF SLUM	D.PJ.M ROAD
WARD NO	01
SLUM CODE	001
IMPLEMENTATION YEAR	2018-2019
PRO. NO. OF DU'S	6
AREA (SQKM.)	0.02

PARTICULARS	LEGEND SYMBOL/COLOUR
HOUSIGN	
DISTBN LINE	
DRAINAGE	
METAL ROAD	
BITUMINUS ROAD	
KACHHA ROAD	
PAVEMENT ROAD	
TARMAC ROAD	
SLUM BOUNDARY	
WATER BODY	
GARDEN/GREEN	
PIPE LINE VULVE	

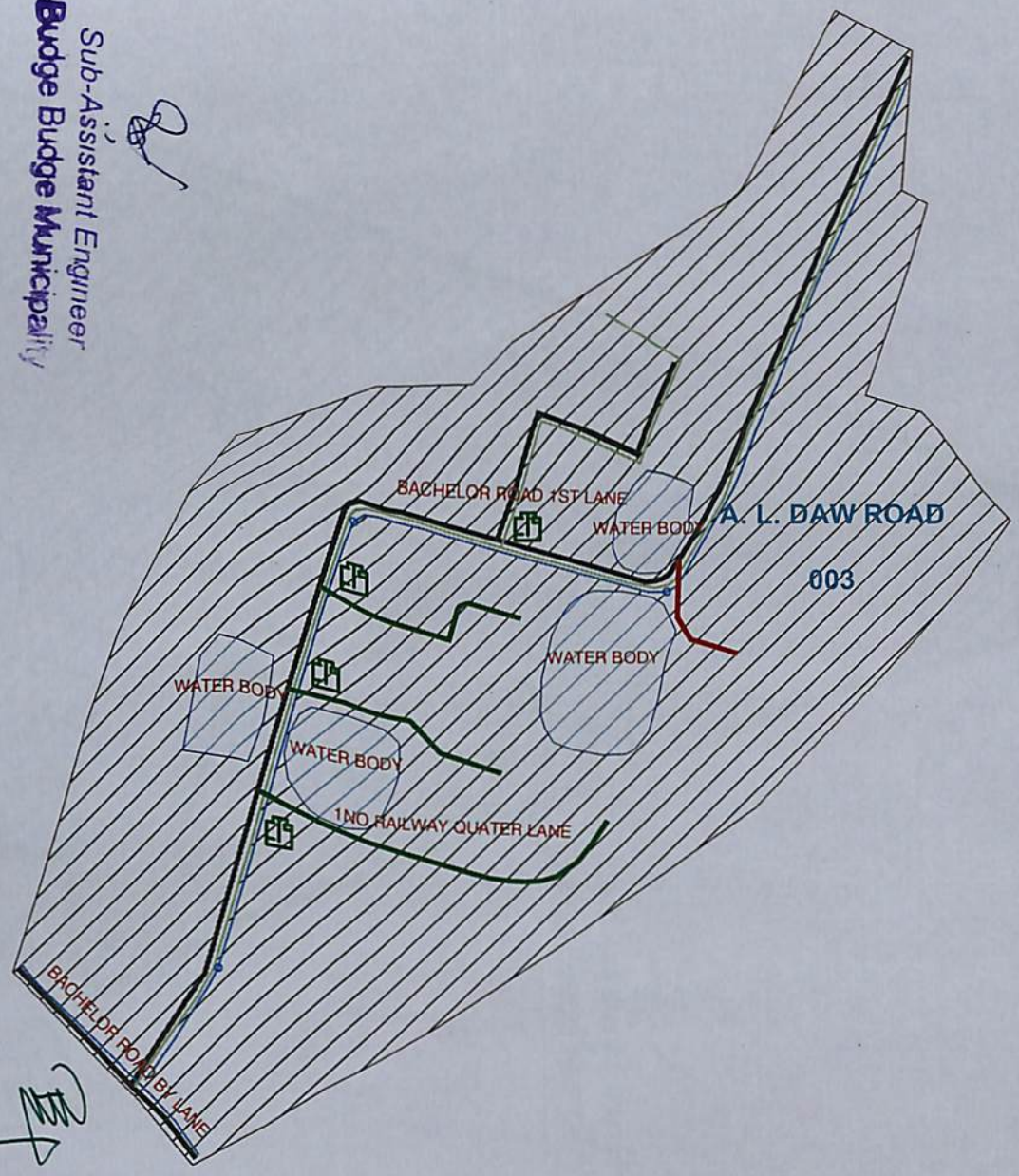


NAME OF PROJECT	PRADHAN MANTRI AWAS YOJANA: HOUSING FOR ALL (URBAN)
NAME OF ULB	BUDGE BUDGE MUNICIPALITY
NAME OF SLUM	N S ROAD
WARD NO	01
SLUM CODE	002
IMPLEMENTATION YEAR	2018-2019
PRO. NO. OF DU'S	9
AREA (SQKM.)	0.02

PARTICULARS	LEGEND SYMBOL/COLOUR
HOUSIGN	
DISTBN LINE	
DRAINAGE	
METAL ROAD	
BITUMINUS ROAD	
KACHHA ROAD	
PAVEMENT ROAD	
TARMAC ROAD	
SLUM BOUNDARY	
WATER BODY	
GARDEN/GREEN	
PIPE LINE VULVE	

Sub-Assistant Engineer
Budge Budge Municipality

Chairperson
Budge Budge Municipality

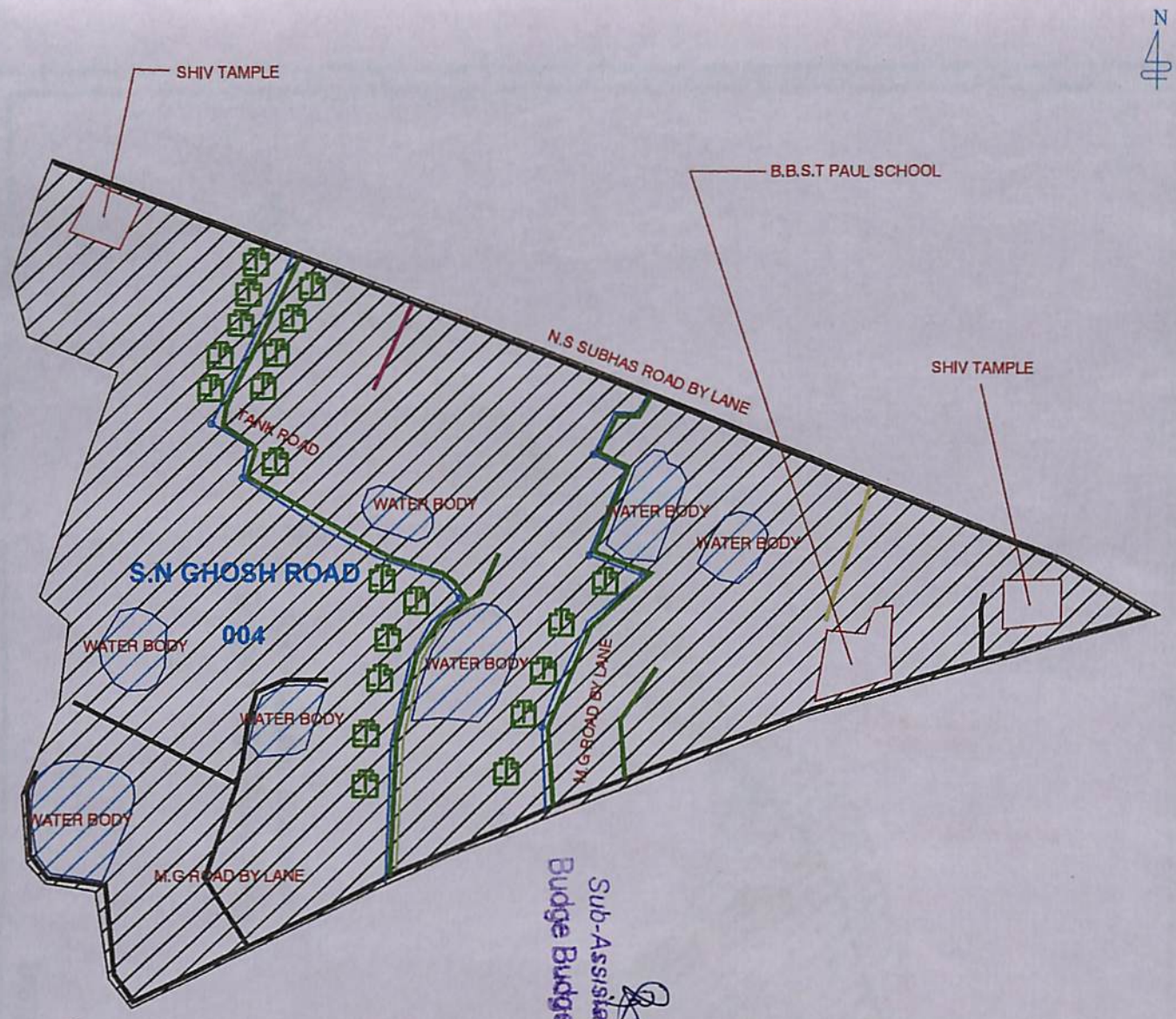


NAME OF PROJECT	PRADHAN MANTRI AWAS YOJANA: HOUSING FOR ALL (URBAN)
NAME OF ULB	BUDGE BUDGE MUNICIPALITY
NAME OF SLUM	A.L. DAW ROAD
WARD NO	02
SLUM CODE	003
IMPLEMENTATION YEAR	2018-2019
PRO. NO. OF DU'S	4
AREA (SQKM.)	0.06

PARTICULARS	LEGEND SYMBOL/COLOUR
HOUSIGN	
DISTBN LINE	
DRAINAGE	
METAL ROAD	
BITUMINUS ROAD	
KACHHA ROAD	
PAVEMENT ROAD	
TARMAC ROAD	
SLUM BOUNDARY	
WATER BODY	
GARDEN/GREEN	
PIPE LINE VULVE	

Sub-Assistant Engineer
Budge Budge Municipality

Chairperson
Budge Budge Municipality

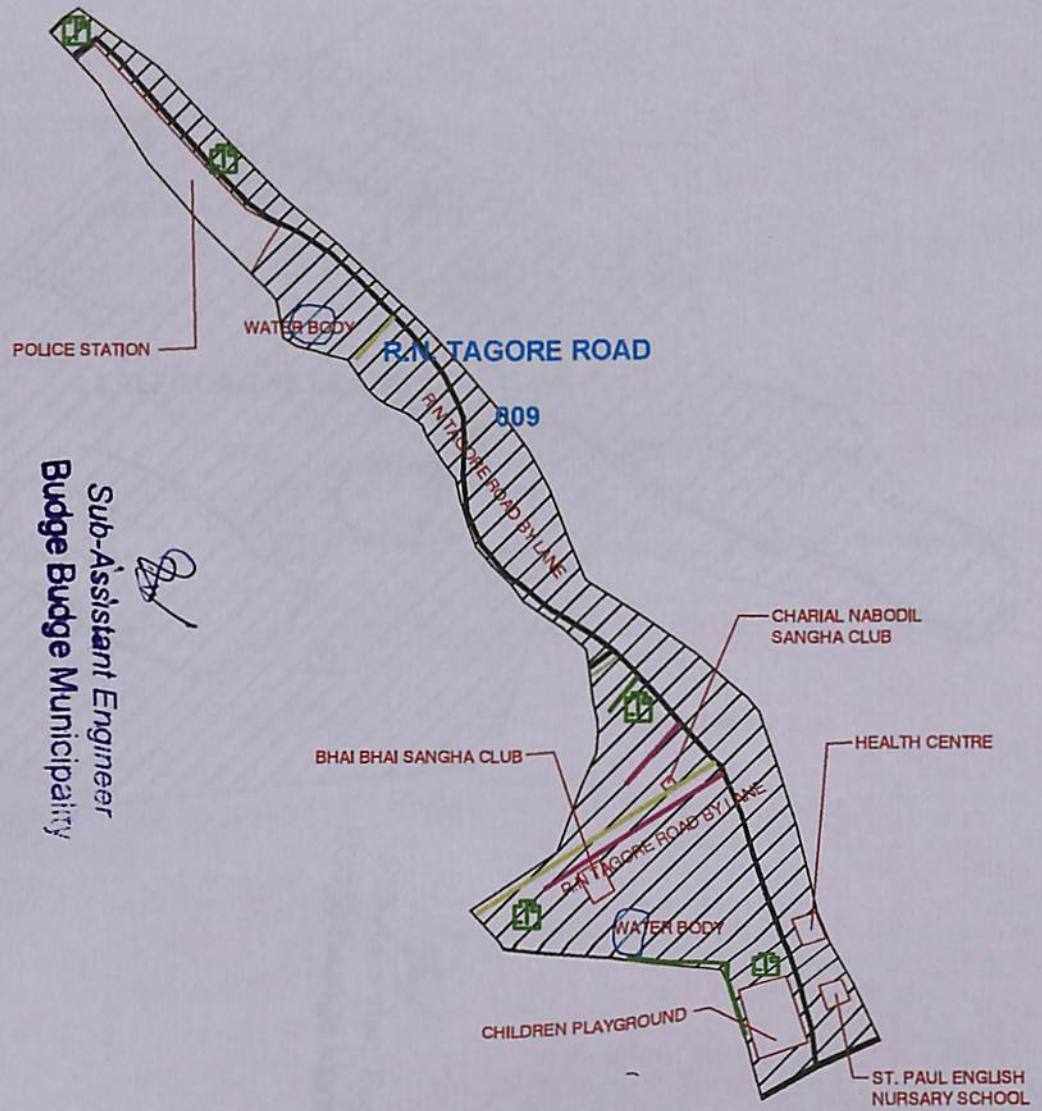


NAME OF PROJECT	PRADHAN MANTRI AWAS YOJANA: HOUSING FOR ALL (URBAN)
NAME OF ULB	BUDGE BUDGE MUNICIPALITY
NAME OF SLUM	S.N GHOSH ROAD
WARD NO	02
SLUM CODE	004
IMPLEMENTATION YEAR	2018-2019
PRO. NO. OF DU'S	21
AREA (SQKM.)	0.05

PARTICULARS	LEGEND SYMBOL/COLOUR
HOUSIGN	
DISTBN LINE	
DRAINAGE	
METAL ROAD	
BITUMINUS ROAD	
KACHHA ROAD	
PAVEMENT ROAD	
TARMAC ROAD	
SLUM BOUNDARY	
WATER BODY	
GARDEN/GREEN	
PIPE LINE VULVE	

Chairperson
Budge Budge Municipality

Sub-Assistant Engineer
Budge Budge Municipality

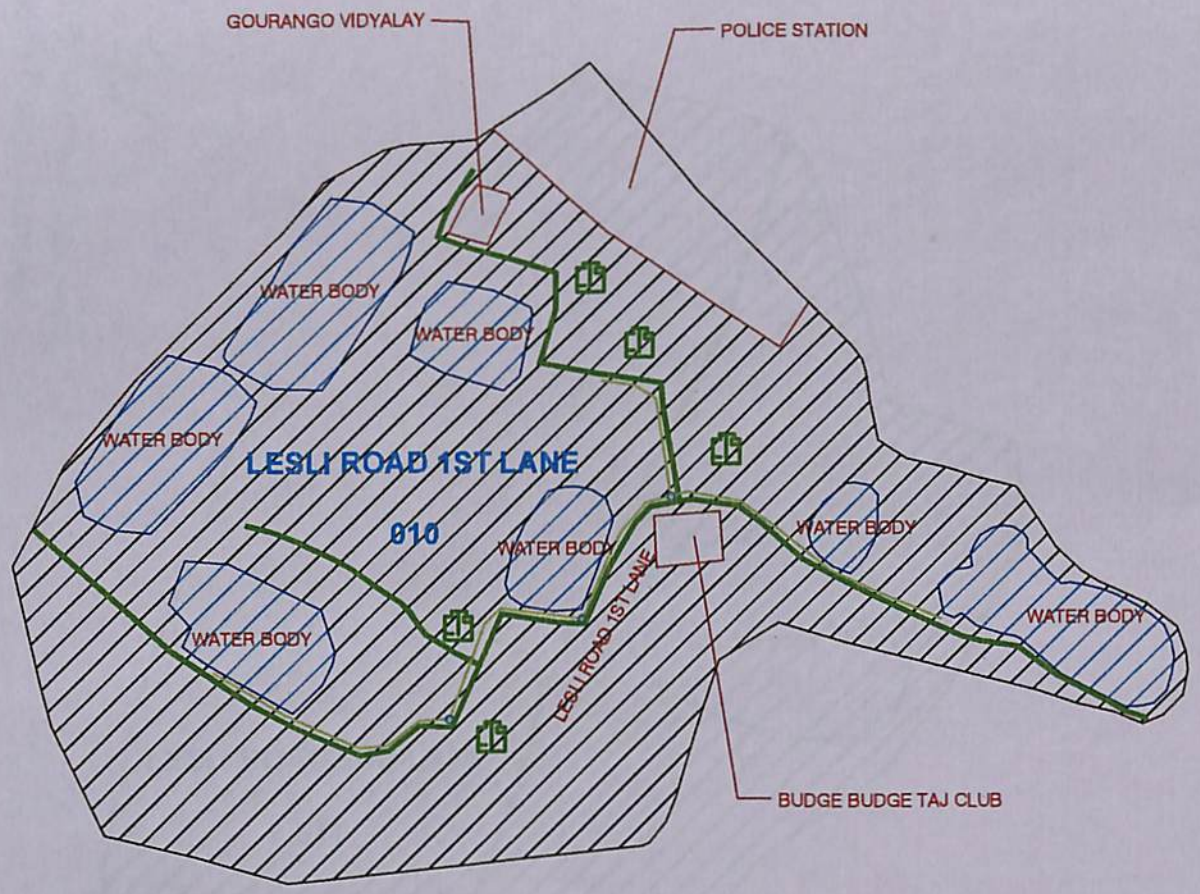


NAME OF PROJECT	PRADHAN MANTRI AWAS YOJANA: HOUSING FOR ALL (URBAN)
NAME OF ULB	BUDGE BUDGE MUNICIPALITY
NAME OF SLUM	R.N. TAGORE ROAD
WARD NO	04
SLUM CODE	009
IMPLEMENTATION YEAR	2018-2019
PRO. NO. OF DU'S	5
AREA (SQKM.)	0.04

PARTICULARS	LEGEND SYMBOL/COLOUR
HOUSIGN	
DISTBN LINE	
DRAINAGE	
METAL ROAD	
BITUMINUS ROAD	
KACHHA ROAD	
PAVEMENT ROAD	
TARMAC ROAD	
SLUM BOUNDARY	
WATER BODY	
GARDEN/GREEN	
PIPE LINE VULVE	

Sub-Assistant Engineer
Budge Budge Municipality

Chairperson
Budge Budge Municipality

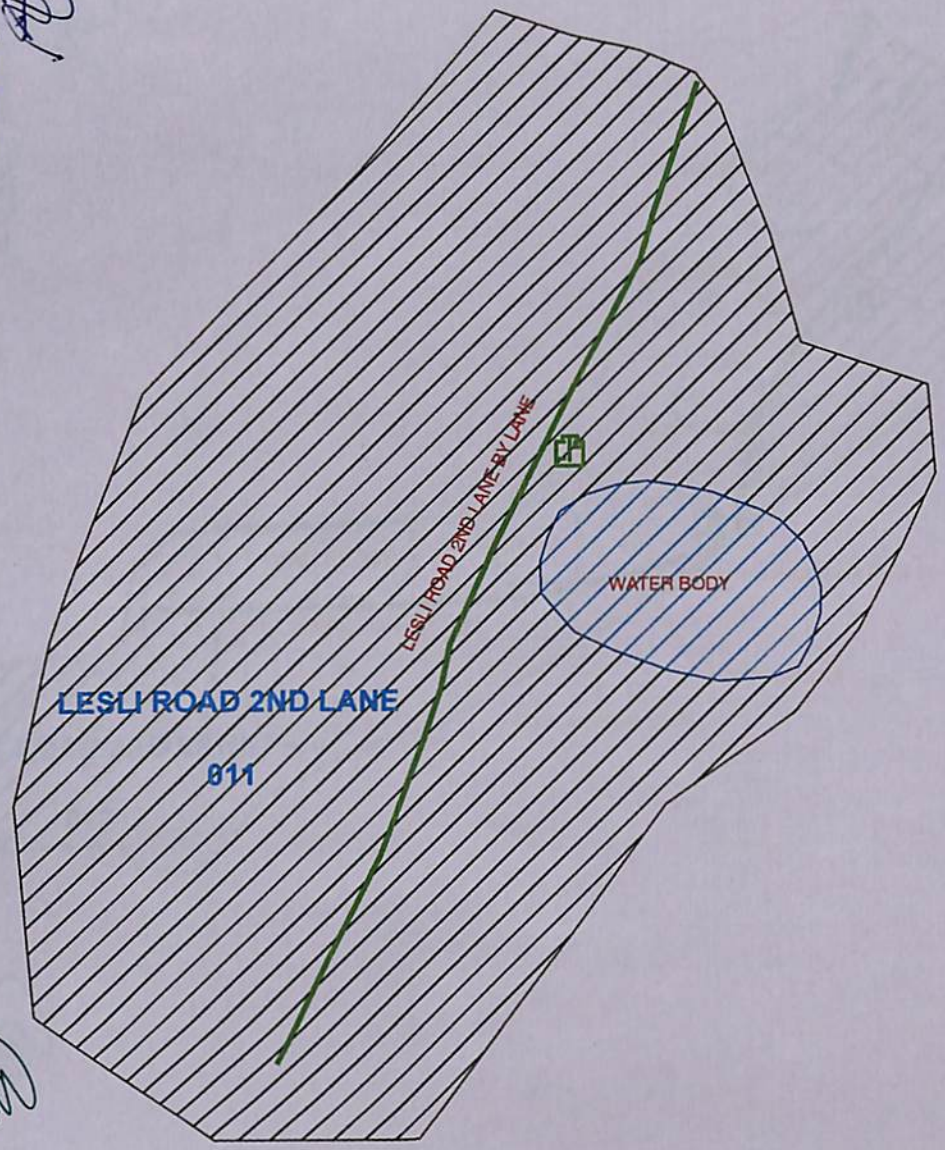


NAME OF PROJECT	PRADHAN MANTRI AWAS YOJANA: HOUSING FOR ALL (URBAN)
NAME OF ULB	BUDGE BUDGE MUNICIPALITY
NAME OF SLUM	LESLI ROAD 1st LANE
WARD NO	04
SLUM CODE	010
IMPLEMENTATION YEAR	2018-2019
PRO. NO. OF DU'S	5
AREA (SQKM.)	0.03

PARTICULARS	LEGEND SYMBOL/COLOUR
HOUSIGN	
DISTBN LINE	
DRAINAGE	
METAL ROAD	
BITUMINUS ROAD	
KACHHA ROAD	
PAVEMENT ROAD	
TARMAC ROAD	
SLUM BOUNDARY	
WATER BODY	
GARDEN/GREEN	
PIPE LINE VULVE	

Chairperson
Budge Budge Municipality

Sub-Assistant Engineer
Budge Budge Municipality

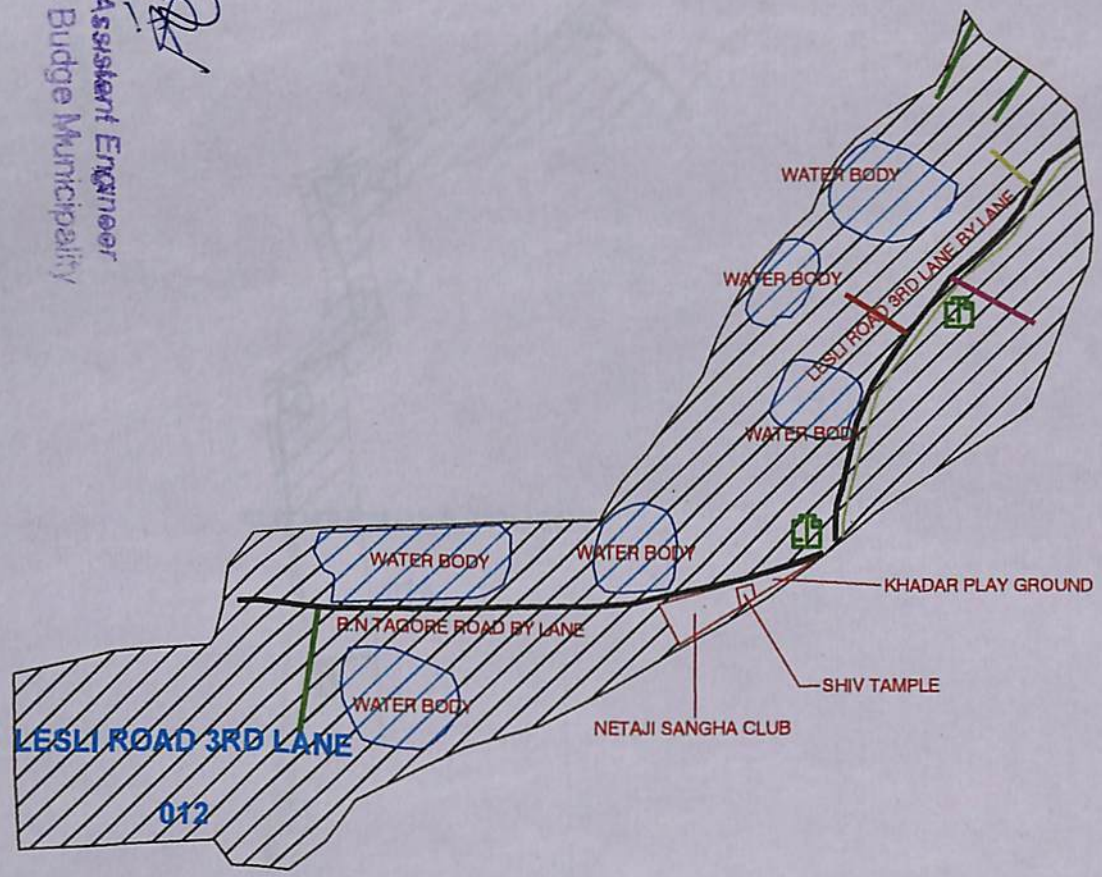


NAME OF PROJECT	PRADHAN MANTRI AWAS YOJANA: HOUSING FOR ALL (URBAN)
NAME OF ULB	BUDGE BUDGE MUNICIPALIT'
NAME OF SLUM	LESLI ROAD 2nd LANE
WARD NO	04
SLUM CODE	011
IMPLEMENTATION YEAR	2018-2019
PRO. NO. OF DU'S	1
AREA (SQKM.)	0.01

PARTICULARS	LEGEND SYMBOL/COLOUR
HOUSIGN	
DISTBN LINE	
DRAINAGE	
METAL ROAD	
BITUMINUS ROAD	
KACHHA ROAD	
PAVEMENT ROAD	
TARMAC ROAD	
SLUM BOUNDARY	
WATER BODY	
GARDEN/GREEN	
PIPE LINE VULVE	

Sub-Assistant Engineer
Budge Budge Municipality

Chairperson
Budge Budge Municipality

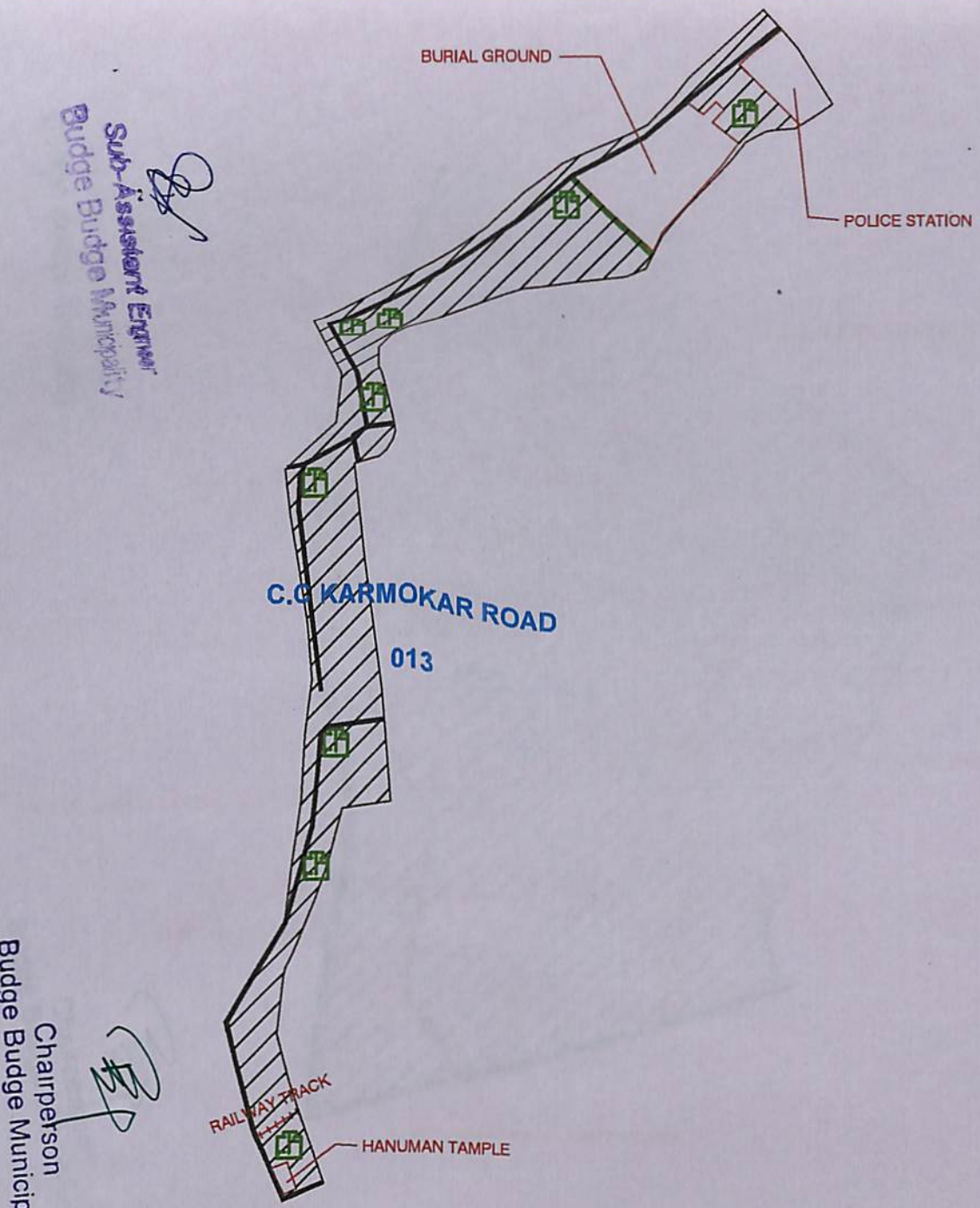


NAME OF PROJECT	PRADHAN MANTRI AWAS YOJANA: HOUSING FOR ALL (URBAN)
NAME OF ULB	BUDGE BUDGE MUNICIPALITY
NAME OF SLUM	LESLI ROAD 3rd LANE
WARD NO	04
SLUM CODE	012
IMPLEMENTATION YEAR	2018-2019
PRO. NO. OF DU'S	2
AREA (SQKM.)	0.04

PARTICULARS	LEGEND SYMBOL/COLOUR
HOUSIGN	
DISTBN LINE	
DRAINAGE	
METAL ROAD	
BITUMINUS ROAD	
KACHHA ROAD	
PAVEMENT ROAD	
TARMAC ROAD	
SLUM BOUNDARY	
WATER BODY	
GARDEN/GREEN	
PIPE LINE VULVE	

Sub-Assistant Engineer
Budge Budge Municipality

Chairperson
Budge Budge Municipality



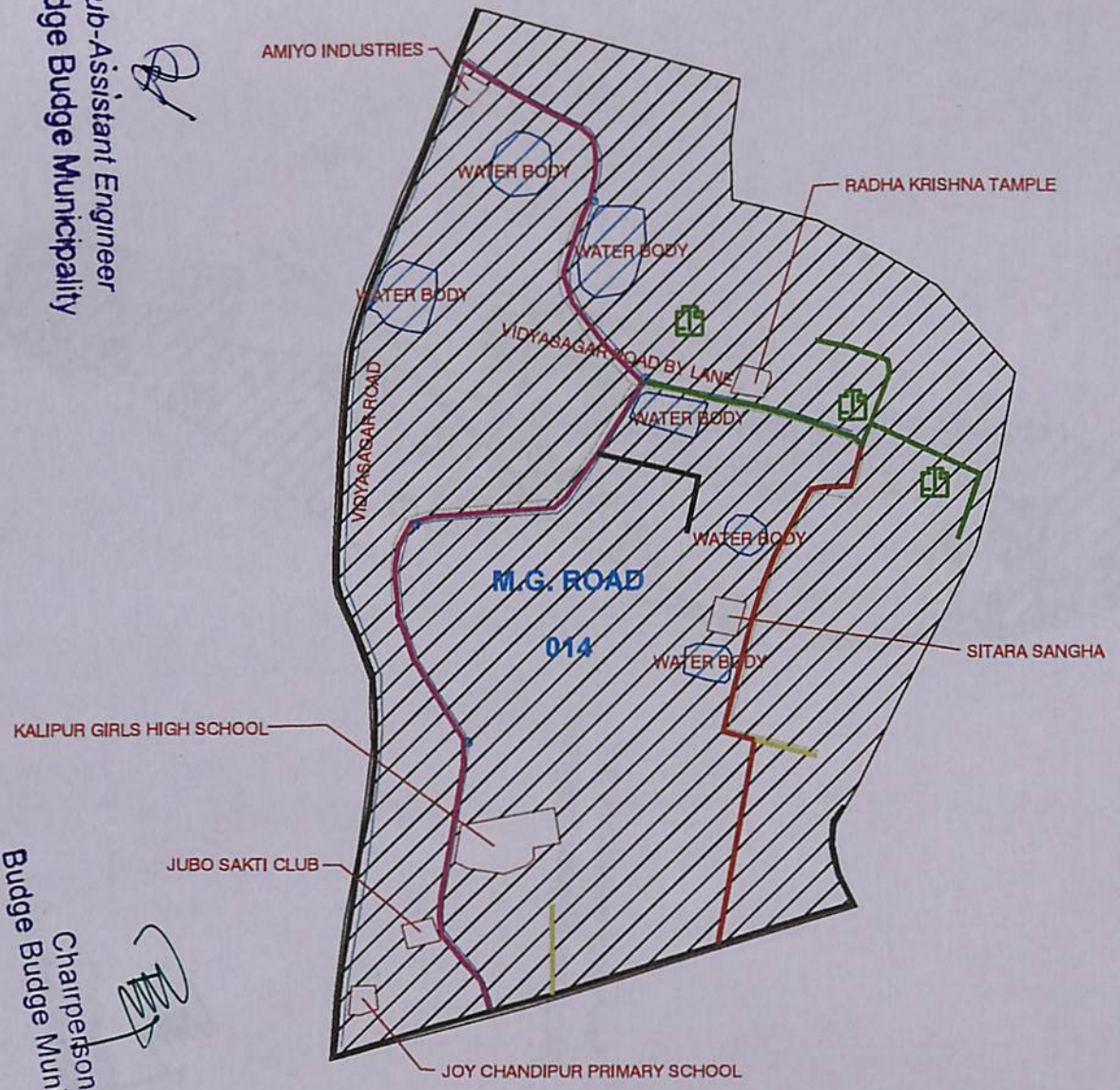
Sub-Assistant Engineer
Budge Budge Municipality

Chairperson
Budge Budge Municipality

NAME OF PROJECT	PRADHAN MANTRI AWAS YOJANA: HOUSING FOR ALL (URBAN)
NAME OF ULB	BUDGE BUDGE MUNICIPALITY
NAME OF SLUM	C.C KARMAKAR ROAD
WARD NO	04
SLUM CODE	013
IMPLEMENTATION YEAR	2018-2019
PRO. NO. OF DU'S	9
AREA (SQKM.)	0.01

PARTICULARS	LEGEND SYMBOL/COLOUR
HOUSIGN	
DISTBN LINE	
DRAINAGE	
METAL ROAD	
BITUMINUS ROAD	
KACHHA ROAD	
PAVEMENT ROAD	
TARMAC ROAD	
SLUM BOUNDARY	
WATER BODY	
GARDEN/GREEN	
PIPE LINE VULVE	

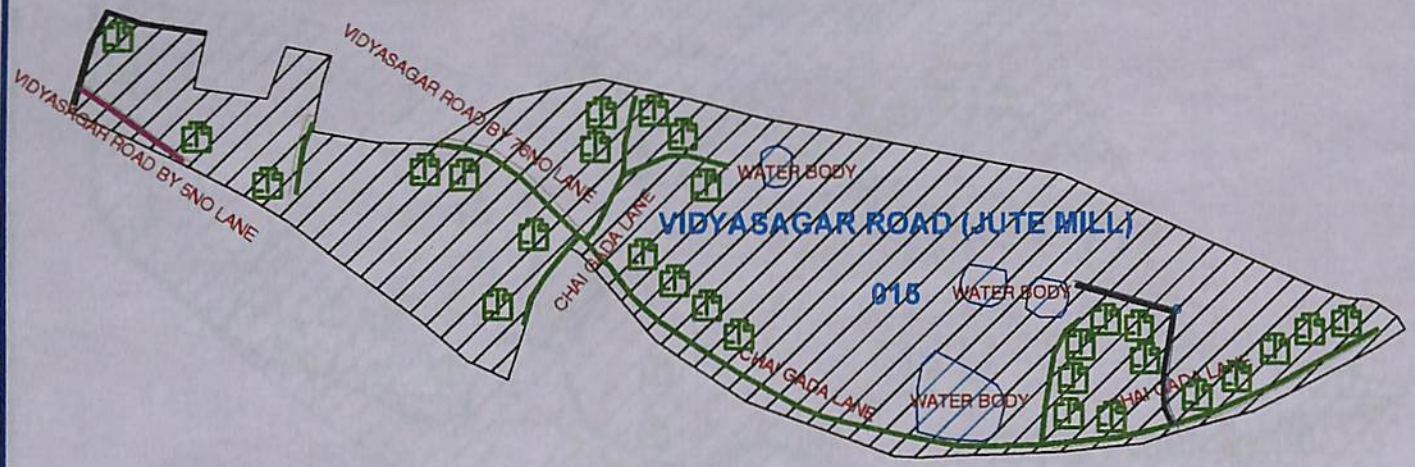
Sub-Assistant Engineer
Budge Budge Municipality



NAME OF PROJECT	PRADHAN MANTRI AWAS YOJANA: HOUSING FOR ALL (URBAN)
NAME OF ULB	BUDGE BUDGE MUNICIPALITY
NAME OF SLUM	M.G ROAD 1
WARD NO	05
SLUM CODE	014
IMPLEMENTATION YEAR	2018-2019
PRO. NO. OF DU'S	3
AREA (SQKM.)	0.05

PARTICULARS	LEGEND SYMBOL/COLOUR
HOUSIGN	
DISTBN LINE	
DRAINAGE	
METAL ROAD	
BITUMINUS ROAD	
KACHHA ROAD	
PAVEMENT ROAD	
TARMAC ROAD	
SLUM BOUNDARY	
WATER BODY	
GARDEN/GREEN	
PIPE LINE VULVE	

Chairperson
Budge Budge Municipality

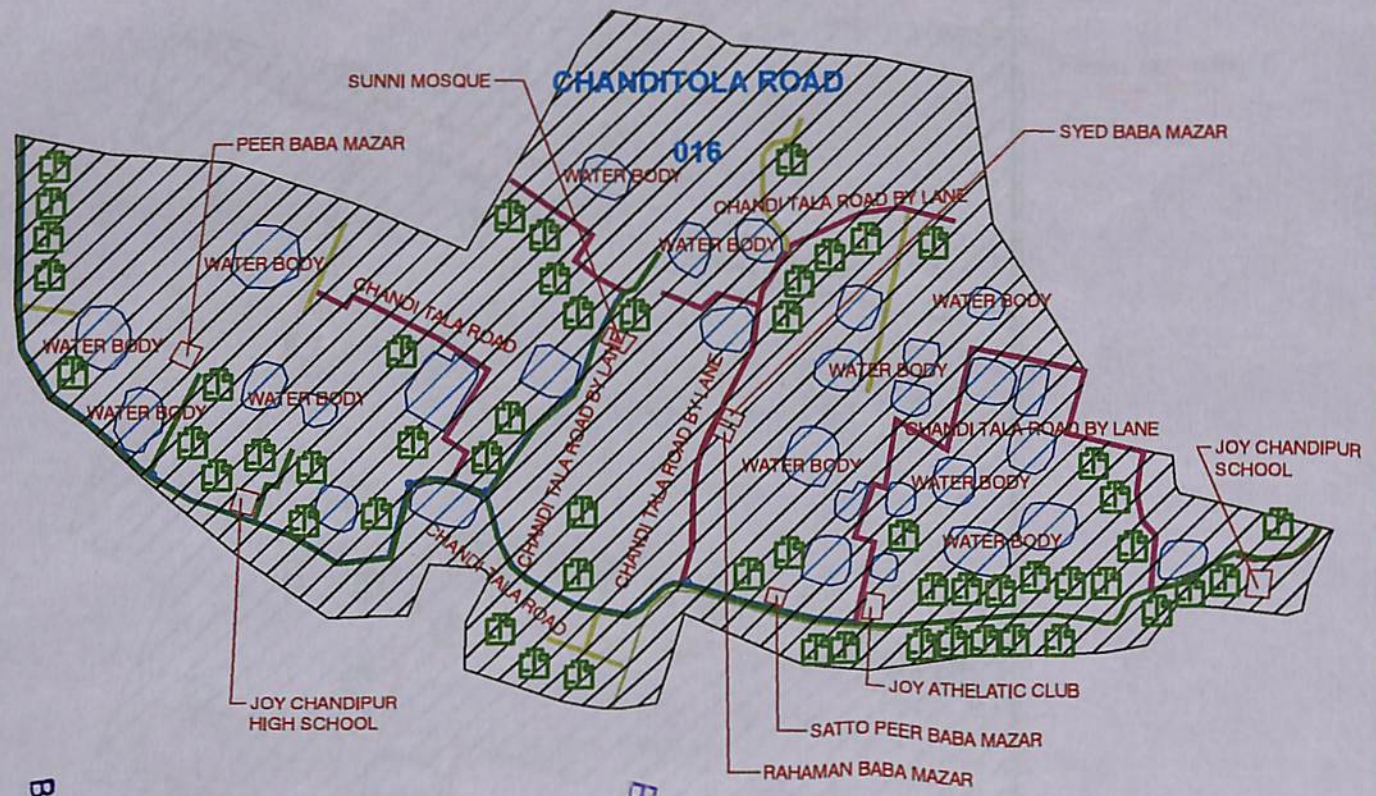


NAME OF PROJECT	PRADHAN MANTRI AWAS YOJANA: HOUSING FOR ALL (URBAN)
NAME OF ULB	BUDGE BUDGE MUNICIPALITY
NAME OF SLUM	VIDYASAGAR ROAD (JUTE MILL)
WARD NO	05
SLUM CODE	015
IMPLEMENTATION YEAR	2018-2019
PRO. NO. OF DU'S	28
AREA (SQKM.)	0.06

PARTICULARS	LEGEND SYMBOL/COLOUR
HOUSIGN	
DISTBN LINE	
DRAINAGE	
METAL ROAD	
BITUMINUS ROAD	
KACHHA ROAD	
PAVEMENT ROAD	
TARMAC ROAD	
SLUM BOUNDARY	
WATER BODY	
GARDEN/GREEN	
PIPE LINE VULVE	

Sub-Assistant Engineer
Budge Budge Municipality

Chairperson
Budge Budge Municipality



NAME OF PROJECT	PRADHAN MANTRI AWAS YOJANA: HOUSING FOR ALL (URBAN)
NAME OF ULB	BUDGE BUDGE MUNICIPALITY
NAME OF SLUM	CHANDITOLA ROAD
WARD NO	06
SLUM CODE	016
IMPLEMENTATION YEAR	2018-2019
PRO. NO. OF DU'S	87
AREA (SQKM.)	0.11

PARTICULARS	LEGEND SYMBOL/COLOUR
HOUSIGN	
DISTBN LINE	
DRAINAGE	
METAL ROAD	
BITUMINUS ROAD	
KACHHA ROAD	
PAVEMENT ROAD	
TARMAC ROAD	
SLUM BOUNDARY	
WATER BODY	
GARDEN/GREEN	
PIPE LINE VULVE	

Chairperson
Budge Budge Municipality

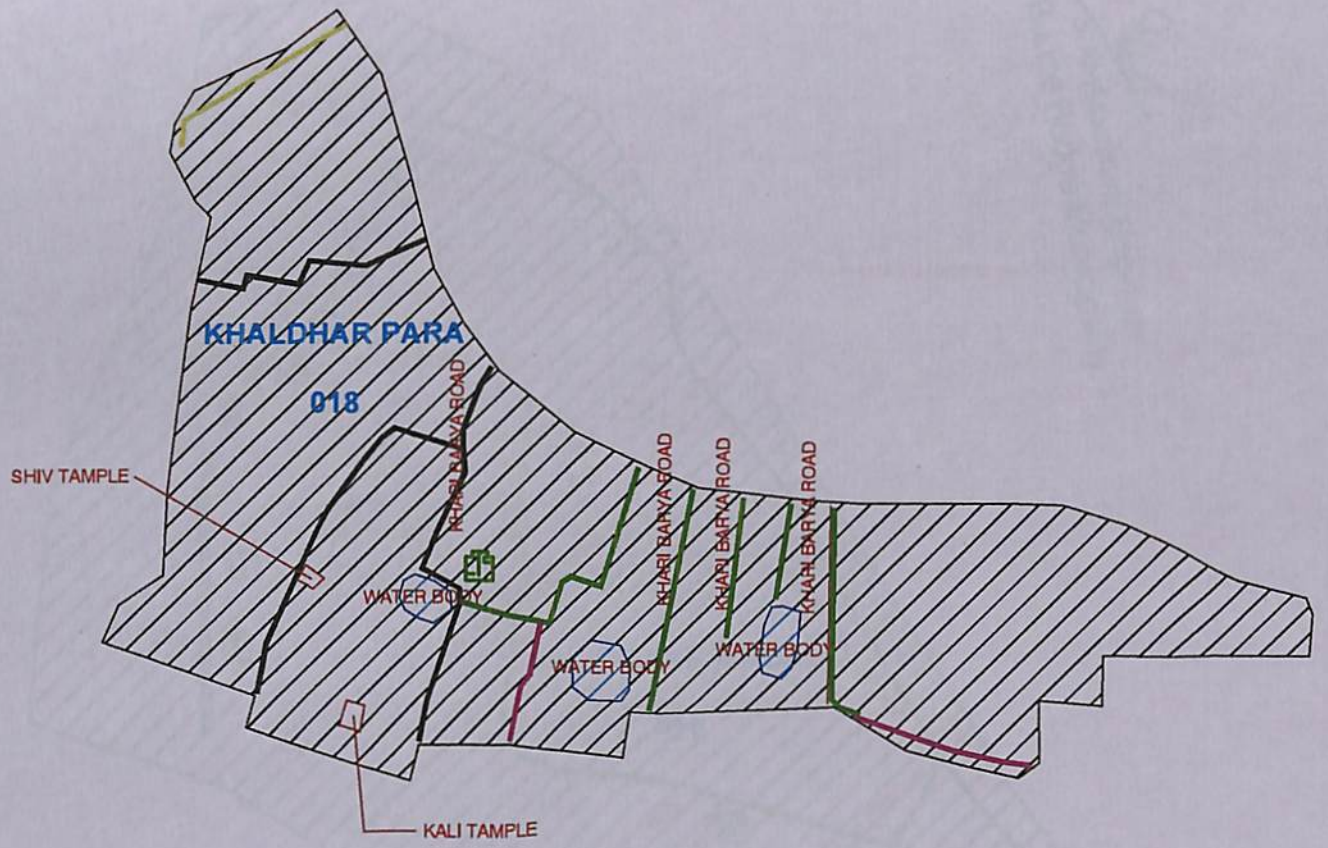
Sub-Assistant Engineer
Budge Budge Municipality

NAME OF PROJECT	PRADHAN MANTRI AWAS YOJANA: HOUSING FOR ALL (URBAN)
NAME OF ULB	BUDGE BUDGE MUNICIPALITY
NAME OF SLUM	KAZI PARA 1st LANE
WARD NO	06
SLUM CODE	017
IMPLEMENTATION YEAR	2018 - 2019
PRO. NO. OF DU'S	23
AREA (SQKM.)	0.02

PARTICULARS	LEGEND SYMBOL/COLOUR
HOUSIGN	
DISTBN LINE	
DRAINAGE	
METAL ROAD	
BITUMINUS ROAD	
KACHHA ROAD	
PAVEMENT ROAD	
TARMAC ROAD	
SLUM BOUNDARY	
WATER BODY	
GARDEN/GREEN	
PIPE LINE VULVE	

Chairperson
Budge Budge Municipality

Sub-Assistant Engineer
Budge Budge Municipality



NAME OF PROJECT	PRADHAN MANTRI AWAS YOJANA: HOUSING FOR ALL (URBAN)
NAME OF ULB	BUDGE BUDGE MUNICIPALITY
NAME OF SLUM	KHALDHAR PARA
WARD NO	07
SLUM CODE	018
IMPLEMENTATION YEAR	2018- 2019
PRO. NO. OF DU'S	1
AREA (SQKM.)	0.14
PARTICULARS	LEGEND
	SYMBOL/COLOUR
HOUSIGN	
DISTBN LINE	
DRAINAGE	
METAL ROAD	
BITUMINUS ROAD	
KACHHA ROAD	
PAVEMENT ROAD	
TARMAC ROAD	
SLUM BOUNDARY	
WATER BODY	
GARDEN/GREEN	
PIPE LINE VULVE	

Chairperson
Budge Budge Municipality

Sub-Assistant Engineer
Budge Budge Municipality