

Poor people depend on or are affected by water resources in four key ways:

- As direct inputs into production**
- For health, welfare, and food security**
- For ecosystems viability**
- For combating water-related hazards**

Keeping the above in mind, a water scheme for the urban poor needs to be drawn up which shall **Improved Access to Quality Water Services and also** build up institutions accessible to the poor that can efficiently manage water resources. These institutions need to be responsive to the poor and should have an adequate opportunity for the poor to raise their views.

The management of water resources must take place within the wider ecosystems context, and all actions should be based on an understanding of the flows of water resources within river basins and how they affect the poor.

In view of this, the water scheme needs to take into account the following broad objectives:

- To provide adequate Treated Water**
- To ensure access for the Urban poor**
- To develop institutional framework taking into account the requirements of the Urban Poor**

Outcome

Water is a basic requirement of life. Absence of adequate water is a major issue for health as well as comfort for the poor. With the implementation of the project, the slum dwellers will have access to safe drinking water, which will greatly help their personal health, and hygiene. Quality of life would improve significantly and the multiplier effect due to this investment would reap significant benefit to the economy of this region within a considerable short period of time.

Water supply includes sources of supply, features of collection and distribution system, water demand and availability, quality of surface and groundwater source, reuse and recycling of water including conservation of water at the household level. The endeavour for

all the proposals is to optimize the total cost of the system.

Assessment of Overall State of Infrastructure

In line with the City Development Plan for Kolkata Metropolitan Area (Pg 11-28), it has been resolved that the entire KMA are will be switched over to surface water.

The following norms have been fixed for the region:

- Kolkata Municipal Corporation Area 200 lpcd**
- Howrah Municipal Corporation Area 150 lpcd**
- Municipality & Non-Municipality Area 135 lpcd**

Previously the area was largely dependent on ground water. The status of ground water availability is as follows:

Keeping in mind the reduced rate of aquifer, traces of Arsenic Contamination and presence of Iron on the water, it has been decided to switch over to surface water from River Damodar.

Accordingly, the plant design is adequate to cater to the future requirement of the entire region and no augmentation of supply is required for the present project

Situation Appraisal & Key Intervention for Identified Slum

Presently accessibility to water supply facilities in the slum pocket is inadequate. The major source of water is from the common tap water available in the slums. The slum is partially connected to the municipal water supply main.

It is now proposed that water pipeline shall be provided in each household with requisite number of

taps, as computed during the survey as felt needs shall be provided under this Project. However, considering that the houses are being provided with water, the provisions of multiple taps have not been encouraged and kept to the minimal level.

Design of distribution system was carried out on the following basis:

- Population projection
- Project horizon years
- Design period for various project components
- Per capita water supply
- Factors affecting consumption
- Existing water supplies
- Pipeline pressure requirement
- Supply of water on 24 x 7 basis
- Economical size of conveying main
- Choice of pipe materials
- Peak factor
- Residual pressure
- Hydraulic zoning

Design Period for various Project Components

Water supply projects are designed normally to meet the requirements over a period of 30 years after their completion. The time lag between design and completion of the project should also be taken into account which should not exceed two to five years depending on the size of the project. CPHEEO guidelines have been followed has suggested the design period for various water supply components.

Service Plan

The pipelines needs to be regularly and kept in full working conditions. It is proposed that operation and maintenance of these pipelines and other assets be done in conjunction with

the maintenance

programme of the Municipal Corporation. The Bustee Working Committee shall be the first level of

responsibility for ensuring that the pipelines etc are kept in good order. The overall operation and maintenance shall be carried out by the project cell of the Municipal Corporation.

Proposed Interventions

According to the above, the water supply design requirement for Municipality has been fixed at 135 lpcd

(Domestic Requirement) + 15% (head loss) + $100 \times (p^{0.5}) = 163.25$ lpcd (approx).

There is existing water supply scheme which has the capacity for meeting the requirement. Thus there is no additional requirement of any reservoir. There are street stand posts for the slum proposed. But to achieve house connection at slum 100 mm dia. DI pipes are proposed.

The details of water supply lines provide are as follow:

Transmission of Water

Konnagar Municipality has water supply through ESR having (24x7) water supply. For the proposed multi-storied buildings sum and pump with OHR is provided for each building. The water supply network for this slum will be connected to the citywide water supply network.

Water supply system broadly involves transmission of water from the water supply main to the area of consumption normally through pipelines. Pipelines normally follow the profile of the ground surface quite closely, normally at 1 metre below ground.

Following design criteria are adopted for this project:

- Gravity pipelines have to be laid below the hydraulic gradient.
- Pipes are of Ductile Iron, Mild steel, GRP, HDPE, uPVC, Plastic etc.
- The design of water supply conduits is dependent on pipe friction, available head, velocity allowable, etc.
- Minimum sizes of 100mm for towns having population up to 50,000 and 150mm for those above 50,000 are recommended.
- There are a number of formulae available for use in calculating the velocity of flow. However,
- Hazen William's formula for pressure conduits and Manning's formula for free flow conduits are popularly used.

Drainage and Solid waste management

Proposal Rationale

The status of adequate Drainage has a close and direct link with environment, water supply and its cleanliness, health and hygiene. The problem of adequate drainage associated with steep influx of population in urban areas, therefore needs to be addressed forth with, debated and deliberated at length, by the policy planners for the development of urban/city areas. Inadequate Drainage results in accumulation of stagnant water and is a major health hazard for the people living in the region.

In the slums there is no proper drainage system and hence stagnation of water is a common occurrence for the slums. In order to improve the situation, there is a need for constructing pucca drains, which will dispose of the stagnant water to the main drains.

Outcome

The proposed drainage system by means of construction of new drains and improvement of existing will help to provide relief to the slum dwellers by means of efficient and effective disposal of storm water through the outfall channels. The outcome of this scheme will by and large enhance the quality of civic life by way of promotion and safeguarding the public health and environmental pollution.

Assessment Overall State of Infrastructure

One of the priority area identified for Wood Industries slum has been absence of adequate drainage. Most of the drainage is kutchra and inadequate for covering the slums which had led to water logging which in turn affected the environment and health of the people on an overall basis.

As mentioned above poor drainage system and consequently chronic water logging are the major issues of concern. There is hardly any pucca drain. The state of drain also affects the condition of the road.

Though there are storm water drains on the main road around the slums, but there is no systematic connection with the internal areas of the slum, thereby leading to acute water logging within the slum. It is worth mentioning that apart from lack of drainage network in several slum pockets, major challenge lies with its maintenance. In numerous cases drains in slums gets choked due to improper disposing of solid waste and other hazardous materials into the existing drains.

Situation gets beyond control particularly during monsoon season like July and August.

Accumulated water causes to generate public health problems. Haphazard growth and settlement in the slum area has blocked the natural drainage courses, which in turn causes water logging and stagnation in different parts of the slum.

Proposed Interventions

It is thus proposed to have an integrated drainage programme covering the slum pocket. The programme shall envisage construction of pucca drain throughout the road length and installing a maintenance programme to ensure that the drains are kept free from clogging from plastics and other materials. Depending on the availability of space and requirement, a sections have been designed, Designs of which have been provided in the relevant sections.

Road Infrastructure

Proposal Rationale

A key component of the Proposal is a focused initiative to provide strong connectivity and provision of movement in the slums. This will enable the poor people to benefit from greater mobility and would increase their employment opportunities, open up trading and marketing of products, and important improve access to health, education, and other social services.

Roads in the slum are highly undeveloped and ill maintained. Poor roads are strong barrier to the development of the slums. Poor road condition and absence of road facility in several slums makes life difficult for all slum dwellers, especially, women and children. It also hampers prompt movement of sick; particularly those who require urgent medical attention. Lack of maintenance, coupled with poor drainage makes life even worse during monsoon season. Road are rarely re-built or re-paired periodically due to several reason. Provision of basic quality road is thus an important element of slum development. The existing road network system of the slum has become inadequate to cope up with the present and ever increasing needs. In order to bear the additional pressure due to enhanced civic, economic and commercial activities of the slum, existing road network system in several places are required either to be up-graded or winded and new roads are also be constructed in a number of places where the network is inadequate.

Proposed status and strategy

The existing condition of the road is poor and cause great hardship to the slum dwellers particularly women and children. The existing roads in the slum areas are predominantly made of brick pavement. These roads are substantially worn out. The lane roads are Kutcha roads. These roads are highly vulnerable and are in a poor condition particularly in rainy season

One of the major issues is absence of proper maintenance. In view of this it is proposed that the entire road network is to be converted to concrete pavement as concrete pavements are durable and easy to maintain.

The Road needs to be maintained. It is proposed that operation and maintenance and servicing of these roads be done by the Municipal Corporation. The Bustee Working Committee shall be the first level of responsibility for ensuring that the pipelines etc. are kept in good order. The project cell of the Municipality shall carry out the overall operation and maintenance.

Proposed Intervention

All the proposed roads are rigid pavement-cement concrete roads. Rigid pavements are those which possess noteworthy flexural strength. The concrete pavement slab can very well serve as a wearing surface as well as effective base course. Therefore usually rigid pavement structure consists of a cement concrete slab, below which a granular base or sub base course may be provided. Rigid pavements are generally designed and the stresses are analyzed using elastic theory, assuming pavement as an elastic plate resting over elastic or a viscous foundation.

Construction of granular sub-base (GSB) 200 mm thick. Construction of 150 mm thick cement concrete pavement, as per Clause 1501.2.2 M30 (Grade), as per drawing and Technical Specification Clause 1501.

Outcome

After successful implementation of the scheme the slum dwellers will have facilities like pre-school education, adult education, non-formal education and social, recreational activities in the slum area. The community centres would provide the people to gather in, to meet and discuss their problems. It is not just a physical location but a space; where poor people could own, develop their thoughts and also could contribute their own skill and labour to make their dream come true. It will also provide the Municipality in networking with the urban

poor communities in order to exchange information and views.

Proposed Intervention

In view of the above, it is proposed that a Community Centre is established to cater the slum population. For community development a community centre is proposed. The one storied community centre has total plinth area of 223.4 sq m.

There will be Multi purpose hall which may be used as skill development centres or livelihood centre, health centres and Crèche are provided.

The Community Centres act mainly as a supporting unit for livelihood and for revenue generation for O&M.

Materials of construction:

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

Definition of Slum for Housing

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

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

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

Situation Appraisal

The people living in the slums mostly have kutcha (381) and semi-pucca (1873) housing. In certain cases where pucca housing is available, they are usually in dilapidated condition. The kutcha houses are in very poor condition and require extensive repairs. Most of the houses have tiles on roof. While during the survey some of the houses have been noted to be in average condition, the quality of these houses is also speedily deteriorating.

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	2019 within 20 slums

Building Plan

The buildings are proposed to cover an area of approximate 32 Sq.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 sq. mts and preferably two room accommodation plus kitchen and toilet should be constructed.

Building material

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

Structural Design

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

Design data

- Live load: 2.0 kN/m² at typical floor
- 1.5 kN/m² on terrace (With Access) : 0.75 kN/m² on terrace (without Access)
- Floor finish 50mm (0.05*24) = : 1.2 kN/m²
- Ceiling plaster 12mm (0.012*20.8) : 0.25 kN/m²
- Partition walls (Wherever Necessary) : 1.0 kN/m²
- Terrace finish: 1.5 kN/m²
- Earthquake load: As per IS-1893 (Part 1) - 2002
- Depth of foundation below ground: ,0.7 m
- Walls: 250 mm thick brick masonry walls at external and 125mm walls internal.

Reference codes:

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

NBC2005

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 baseline 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 lay out 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 & CPHEEO 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

Unlike 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, sewerage, storm water drainage, solid waste management, roads & drainage, street lights, 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.

Other costs

Administrative overheads and engineering design: In addition to the cost of infrastructure, calculated at the current market prices, a reasonable cost should also be estimated for administrative overheads and engineering design.

Land: Own land of Beneficiary.

Operation & Maintenance Costs: Costs for O&M of assets created under PMAY is permissible. This has been fixed at 2% of the approved project cost of which the Central

Beneficiary Contribution:

In order to ensure beneficiaries interest, financial contribution by the beneficiaries is critical.. The share of beneficiary contribution in housing is proposed to be a minimum of 25000/-. As per PMAY guidelines no contribution from the beneficiaries is expected in infrastructure improvements.

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 following funding pattern should be adopted for implementation of PMAY until further revision.

Type of City/Towns as per 2011 census	Component	Contribution of			
		Centre 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 Dwelling Unit

Total no of Dwelling unit = 200 Nos

Rate per Dwelling unit = 3.68 Lakhs

Total Cost of Dwelling unit = $200 \times 3.68 = 736.00$ Lakhs

Central Share = 200×1.5 Lakhs = 300.00 Lakhs

State Share = 200×1.93 Lakhs = 386.00 Lakhs

Beneficiary Share = 200×0.25 Lakhs = 50.00 Lakhs

ULB Share = NIL

For Infrastructure

10 % of total Dwelling unit cost = 736.00 Lakhs $\times 10\% = 73.60$ Lakhs

Central Share = NIL

State Share = $50\% \times 73.60$ Lakhs = 36.80 Lakhs

Beneficiary Share = NIL

ULB Share = $50\% \times 73.60$ Lakhs = 36.80 Lakh

The total project cost will be 809.60 Lakhs

Out of these 73.60 Lakhs is the cost of Housing Infrastructure. The following table shows the share of cost between housing infrastructure & Physical Infrastructure.

Table: Cost Breakup between Housing & Infrastructure

Sl No.	Component	Cost in Lakhs
1.	Housing Cost (200 Dwelling Units)	736.00
2.	Infrastructure Cost	73.60
	Total	809.60

Sector wise Monitoring and Implementation Plan

Background

A strong implementation plan and administration framework is essential for 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 a 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.

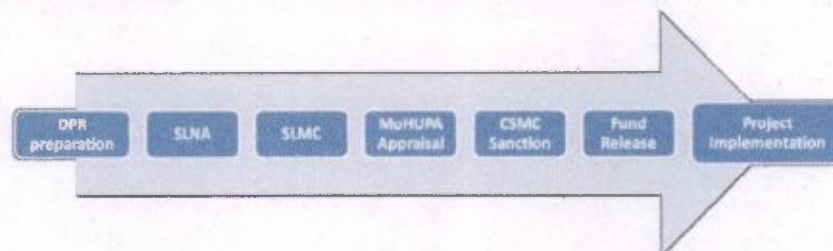
National Level

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, GIS, 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 handholding support to States/UTs.

State 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



Konnagar Municipality

The Municipality shall act as the implementation agency for the project. Keeping in mind the criticality of the project, a dedicated '**Bustee Works Management Committee (BWMC)**' has been set up for implementation and operation & maintenance (O&M) of the proposed infrastructure under the scheme.

The BWMC will have representatives of local councillor, Chairman-in-Council, municipal engineers, town project officer, community organizers and member from the local slum dwellers. Some of the responsibilities of BWMC are listed below:

- i. Delineation of poverty pockets in this town to execute the scheme.
- ii. Recruitment of community organizers
- iii. Guiding and assisting the community organizer to form neighbourhood group (NHG) and for identification of RCVs.
- iv. Formation of NHCs and CDs.
- v. Constitution of town level planning and monitoring committee (TLPMC).
- vi. Liaison with CMOH and other concerned district level officers and NGOs for conference.
- vii. Regular contact with SUDA and Department of Municipal Affairs.
- viii. Convening meeting of TLPMC to take stock of programme implementation and convergence.
- ix. Dovetail all poverty alleviation programmes with IHSDP.
- x. Obtain regular feedback from CDS and send the required monthly progress report to SUDA by the end of first week of the next month in the prescribed MIS format.

Participation through Beneficiary committees

People's participation in municipal planning and development is critical and shall be ensured through of Ward Committees in each ward irrespective of their population and size. The Ward Committee Rules have also been framed in such a way so as to ensure involvement of the members of the Ward Committees in the overall municipal administration and resource mobilization. The Ward Committee created especially for the purpose of PMAY will be headed by the Councillor of the Ward, who would in turn submit the report of progress to BWMC.

Some of the responsibilities the Ward Committee will be:

- i. Supervision of the physical progress of the work under the project
- ii. Designating in-charge, who would be held responsible for individual scheme under the project
- iii. Collecting user charges for operation and maintenance (O&M) activities
- iv. Ensuring proper maintenance of each of the assets that is created under the project

Participation through Community Based Organization

Participation of poor families in planning and implementation of slum level Basic Infrastructure Development as well as Socio-Economic Development has been ensured through formation of Community Based Organization. The Ward Committee will be also have representative of weaker community. Similar structure have also been involved by the municipalities in providing civic services like conservancy services, maintenance of street light, etc. municipal administration and resource mobilization.

However, basic guidelines, which will be followed in implementation of the projects, are been laid down below:

Social Infrastructure

In order to provide preventive health care, mother and childcare, supplementary nutrition, referrals and so on, a cost effective but sustainable community infrastructure or institution needs to be developed.

In the first step, community health facilities will be provided from centrally located Community Seva Kendra in slum pockets and for different type of imparting education and other training purpose, Community Centre will be put in place.

The Community Seva Kendra will be the hub of all activities of the Unit like: immunization, health- check up of pregnant women, growth monitoring, referrals, nutrition supplementation, awareness training and campaign and so on, besides other activities like Balwadi, NFE, cultural activities etc. Some part time medical staff may be posted for these Units in the slum pockets and some help from trained medicos will essentially be needed for services like health check up of pregnant women and children, and immunization.

Thus notwithstanding the guidelines in this regard, following alternatives will be tried:

- Creation of a dedicated cell for administrative activities and maintenance of the Community Seva Kendra
- Assistance from some NGOs like Rotary, Lions, IMA, etc.
- Request to the district outfit of the Health and Family Welfare Department to depute doctors to the UHC by rotation for 2-3 hours, three times a week.
- Engage duly certified inoculators or health workers for immunization only on the basis of token honorarium.
- Engage private medical practitioners who are motivated to provide service to the poor community and pay them token honorarium in recognition of their service.

Physical Infrastructure

The Ward Committee will not only be supervising and monitoring the progress of the activities, but shall be actively involved in scheme implementation and in mobilization of funds. The Ward Committee will have teams for individual physical infrastructure projects who shall be held responsible the scheme in the slums in the ward. Primary activity of the Committee for schemes is provided below in details.

- i. Assess water supply needs and identify spots for tap.
- ii. Develop water supply plan.
- iii. Train RCVs in hand pump maintenance.
- iv. Develop slum level water and sanitation committee.
- v. Test water quality periodically.
- vi. Construct platform around each hand pump that does not have it already.
- vii. Identify needs for community bathing cubicles for women and selecting ideal spot for constructing the same
- viii. Identify sites for building community toilets cum water points.
- ix. Link community toilets to biogas plant (on experimental basis).
- x. Improve the conditions of drains, soak pits and solid waste disposable bins.

Other Environmental Improvement Measures

- i. Organise hygiene and sanitation drives in slums.
- ii. Sports, games and cultural activities
- iii. Encourage local NGOs/clubs to create facilities for games and athletics for the children and youth.
- iv. Give support to the above by providing materials for games, etc.

- v. Organize annual sports and tournaments.
- vi. Organize facilities for learning music and dramatics.
- vii. Organize annual competition of music, recitation, drawing, drama, etc.

Creating income and employment opportunities for women

- i. Identification of marketable skills for women.
- ii. Arrange skill training with fund available under SUME of NRY.
- iii. Arrange credit-subsidy under SUME to enable the trained women to start and operate micro enterprise.
- iv. Arrange for supply of inputs and marketing of finished products.
- v. Thrift and Credit Society Formation
- vi. SHG Formation
- vii. DWCUA Formation

Housing

Monitoring

Officers dealing with HOUSING SCHEME at the State headquarters shall visit the slums regularly and ascertain through field visits whether the programme is being implemented satisfactorily and whether the construction of houses is in accordance with the prescribed norms. . A schedule of inspection which prescribes a minimum number of field visits for each supervisory level functionary from the State level to the corporation level shall be drawn up and strictly adhered to.

Evaluation Studies

Periodic evaluation studies on the implementation of HOUSING SCHEME shall be carried out by reputed institutions and organizations on issues identified during concurrent evaluation and reviews. Copies of these studies should be furnished to the Govt. of India. Remedial action shall be taken on the basis of the findings of these studies.

Modality of implementation

Before implementation it will be ascertained that either the property title in the name of the female member of the family or at least the female family member is the co-owner of the holding/property.

Transparency in implementation of Housing Scheme

The list of items on which information would be made available to people to bring about greater

transparency at the State, District and Corporation levels is given below:

- i. List of people below poverty line in the urban area.
- ii. List of beneficiaries identified during the preceding year and current year including details of SC/ST, BC, women beneficiaries and physically and mentally challenged persons under HOUSING SCHEME. Allocation made to the State under VAMBAY
- iii. Guideline of HOUSING SCHEME/ Criteria for selecting beneficiaries.
- iv. Display of HOUSING SCHEME signboard / logo on the allotted houses.

Monitoring & Evaluation

PMAY will be monitored at three levels: City, State and Government of India. In particular,

- Ministry of Housing and Urban Poverty Alleviation will periodically monitor the scheme.
- State Nodal Agency would send Quarterly Progress Report (on-line) to the Ministry of Housing and Urban Poverty Alleviation.
- Upon completion of a project, the State Nodal Agency, through the State Government, would submit completion report to the Central Government.
- Central Sanctioning-cum-Monitoring Committee will meet as often as required to sanction and review/monitor the progress of projects sanctioned under the Mission.
- States/Cities will be facilitated through independent quality control/ assurance/ third party teams at various levels that may be outsourced to specialized/technical agencies.
- Monitoring of projects by States/Urban Local Bodies by conducting Social Audit in conformity with guidelines to be prescribed, right from the stage of project preparation.
- The processes of implementation will be monitored by undertaking concurrent evaluation through reputed independent institutions to ensure that corrections to distortions, oversights or shortcomings can be made in time.

Convergence of Health and Education

Health

Development Objectives for the Health Care Service Delivery Improvement Plan. Some of the development objectives, which the Konnagar Municipal Corporation address through their Health Care Service Delivery Improvement Plan, are as follows:

Theme 1: Public Health Services:

- i. Better coordination with State Government hospitals and dispensaries for maintaining a better referral system.
- ii. Improve the asset and human resource utilization pattern of health services such as ambulance services, dispensaries etc.
- iii. Ensure that all types of cooked / uncooked food in the Municipality area are sold by licensed food sellers to prevent spread of diarrhoeal and other disease in the area.
- iv. Strengthening and developing Health Management Information System.
- v. Exploring opportunities for strengthening decentralization and other public private partnerships in providing such public health services
- vi. Partner with leading private sector providers of medical services for better utilisation and maintenance of medical infrastructure such as municipal dispensaries, maternity homes.

Theme 2: Reproductive and Child Health Care Services:

- i. To establish quality antenatal care to 100% of the slum women.
- ii. To establish 100% institutional delivery for all women living in slums.
- iii. 100% immunization of infants against six killer diseases within 12 months of birth.
- iv. Making sterilization services available by way of improving efforts related to family planning.
- v. Formulate a wider basket of services aimed at providing health priorities within the RCH domain that have not been adequately addressed, as well as some health priorities outside the RCH domain which are major contributors to the burden of disease and impoverishment are included.
- vi. Spreading health awareness through various methods of communication not only to the beneficiaries of the Programme but also to the excluded groups and areas within the wards.

All Programmes for Preventive Health Care and other Independent Initiatives taken by the ULB:

- i. Promotion of hygienic measures to lead to reduced diarrhoeal disease with prompt and appropriate care and reducing household expenditure on recurrent diarrhoea.
- ii. Increase the coverage of vector control operations by rationalizing the use of assets and human resources available.
- iii. Effective implementation of Government Programmes to achieve the targeted goals and objectives.
- iv. The following schemes under implementation by the State Govt. in the social sector can be dovetailed and integrated with the IHSDP Program to ensure effective slum development. The Socio Economic Survey has already identified beneficiaries under the scheme.

RCH & IPP VIII Extension:

A surveillance program initiated by the State Govt. after completion of the World Bank Assistance in the two schemes. Main objective is to provide Health care facilities at the door steps of the slum dwellers / BPL Population, with emphasis on Mother and child health, preventive cares and immunization, Institution delivery, birth control.

Health Program under DFID Assistance:

With the same objective as above with decentralization of health care activities by formation of Health sub centers, which can be operated from the Community Seva Kendras, proposed earlier.

Education

The Municipality has been actively implementing key initiatives in the Education sector through convergence with the following objectives:

- Improvement Of the Status & Infrastructure & Basic Service in Primary Schools under Municipal Corporation.
- Achieving 100% enrolment in schools for next 5 years.
- Enhancing the quality of education provided in pry school with respect to student performance & teaching quality.
- Leveraging the existing resources created under the NSDP and other

- programme and increase the coverage in excluded committee and squatter settlements
- Achieving higher enrolment of children in age group of 6-14 in SSK centres
 - Strengthening Parent Teacher Association and involving community participation in improving the performance of school
 - Creating awareness in the community through the existing community structures (NHG,NHC, CDS members) on the importance of primary and adult education.

Extensive training programme for teachers & sahayekas is being organized for improvement of quality teaching. Construction, extension and repair of SSK buildings must be done so that a greater portion of children aged 5 to 14 yrs can attend there.

SSA : 'Sarba Siksha Abhiyan' – a scheme meant for 'education for all'

SSK : 'Sishu Siksha Kendra' – Mainly aimed at offering free primary education to the poorer section of the community.

Mid-day Meal: A program initiated to central the drop out rates, has been found success since its initiation.

Social Security

The following Social Security Schemes under State Plan are proposed to be integrated with the current program through convergence:

Adult Education: To promote self-dependability.

Thrift and Credit Society: For easier Credit and Finance availability.

Self Help Group: To promote self and micro entrepreneurship.

DWCUA: Upliftment of the life style and self-independency of Women Group.

Annapurna: To provide food stock at reduced price to the poorer section of the Community.

Antyoday Anna Yojana: To provide food stock free of cost to the older section of the community.

Environment Impact Assessment

<i>IMPACT & REMEDIES</i>		
1.	Utilization of alternative material Characteristics and availability of alternative material	Locally available bricks etc. will be used.
2.	Rehabilitation of water bodies & measures for maintaining surface runoff smoothly	No water body is affected by the alignment of road. The road side open C. C. / Brick masonry drains have been provided for free flow of storm water.
3.	Measures for Erosion Control	Not applicable for the slum area.
4.	Conservation of Topsoil a. Extent of loss of topsoil b. Area requirement for topsoil conservation c. Inclusion of conservation of topsoil d.	Not applicable for the slum area.
5.	Impact on Heritage & Culture a. Identification of locally significant cultural properties b. Assessment of likely impacts on each cultural property due to project implementation c. Possible measures for avoidance i) Identification of alternative routes ii) Relocation of Culture property in consultation with the local community iii) Common Property iv)	Question does not arise.
6.	Location of Natural Habitants	It will not be disturbed
7.	Construction of site office / Camp	Temporary construction of camp / office shall be established by contractor and since the project is small and scattered, the temporary impact on environment for Construction Camp / office at the time of execution of work is negligible.
8.	Quarrying of Materials a. Sourcing of materials from quarries b. Lead from various existing quarries c. Adequacy of material for the project in these quarries	The construction materials require for the project shall be procured from : a) Stone metal : from the existing. b) Bricks : From the existing brick fields nearby the project site. c) Sand : From the nearest source.

IMPACT & REMEDIES

		All the materials are sufficiently available.
9.	Water Requirement; Identification of potential sources of water	Water required for the construction of work will be available from ground water. There is no scarcity of water in the region.
10.	Location of Waste Water Disposal : a. Location for disposal of waste water	The surface drain have been proposed in the slum for disposal of waste water.
	b. Outfalls locations for longitudinal drains i) Outfall level and back flow ii) The outfall is in natural stream; measures shall be taken to prevent sediment into the stream.	Natural slope of the ground will be maintained for waterways for discharge of surface runoff. No possibility of back flow except in the case of heavy flood. The storm water drain of the slums will discharge the water to the main high drain of the town.
11.	Air Pollution during construction work	Work shall be carried out by equipments like concrete mixer machine vibrator etc. at this time of concerting work only for which air pollution will be negligible.
12.	Identify locations susceptible to induced development	Locations vulnerable to induced development: In such location the Municipality has committed not to allow building construction activity. a. Lands within 50 m of junctions b. Agricultural lands with enforce restriction on building activity on either side of road. Stretches within 100m of worship places, weekly fairs and locations of community mass gatherings.
13.	Roles and responsibilities of Municipality in regulating development	The Municipality shall lay down restrictions on building activities along the by-pass roads : 1. Municipality will enforce restriction on building activity on either side of road. 2. Development of Residential sites outside Existing Settlement. Appropriate measure towards the removal of encroachments onto the public land to be taken.
14.	Traffic Congestion and related air & noise pollution	As the road passes through the slum area of the town and two wheelers, Three wheelers, light vehicle will move hence there will not be any traffic congestion, related air & noise pollution.

IMPACT & REMEDIES

15.	Opportunity in economic activities due to ease of transportation system	The benefits due to this project are : 1. Generation of Man days 2. Improvement in Household or population sector i.e. Improvement of personal health, hygiene, socio- economic condition, education etc.

Operation & Maintenance

Formulation and Implementation of "Operation and Maintenance Plan for Slum Level Infrastructure work"

Background

It is recognized that the assets created in slums are required to be properly used and maintained. For

this purpose, 'Operation and Maintenance Plan' for the slum is being prepared

Formulation and implementation of O&M Plan

1. The assets created in project area are required to be properly used and maintained.
2. For this purpose each ULB will formulate and implement a fully resourced 'Operation and Maintenance Plan' for project area where infrastructure works have been undertaken from BSUP funds.
3. The following steps will be taken prior to preparation of the 'Operation and Maintenance Plan' for each slum :
 - a) The ULB along with the CDS working in the Slum where infrastructure works were performed will arrange a meeting (1st) with all slum dwellers of that particular slum.
 - b) At this meeting the Local Councillor, Chairman-in-Council or Chairman-in-Council of slum development work, Municipal Engineers, Town Project Officer, Community Organiser, CDS members and RCVs of that particular slum will be present. Other members / officials as felt necessary may also be present.
 - c) At this meeting the need for formation of Bustee Works Management Committee (BWMC) for looking after 'Operation and Maintenance Plan for Slum Level Infrastructure work' will be explained to the slum dwellers.
 - d) The stock of work done and assets created under slum level infrastructure works of that particular slum will be listed at this meeting.
 - e) At this meeting the ULB will brief the slum dwellers about the constitution, role and functions of the BWMC.
 - f) A similar next meeting (2nd) will be held at which the BWMC will be elected as per constitution through informal election. If one meeting is not sufficient

more such meetings may be arranged.

- g) Minute of each meeting with signature of the participants should be maintained.

Constitution & functions of the Bustee Works Management Committee (BWMC):

- a) The BWMC will consist of minimum 5 members, all of whom will be resident of that particular slum.
- b) In addition, one RCV from that slum will be member.
- c) There will be at least two female members in the BWMC.
- d) The members of the BWMC may be from BPL / APL or both.
- e) At least one member will belong to a Neighbourhood Group (NHG) from that slum.
- f) The BWMC will be elected through an informal process of election.
- g) There must be good publicity to ensure wide attendance.
- h) At least 40% of slum dwellers must be present in the meeting during election of BWMC.
- i) The BWMC will be an independent body. The ULB will be responsible for overseeing the work of BWMC.
- j) The BWMC will hold office for a period of two years, after which a new committee will be elected. If any member resigns or moves out of the slums or is incapable of functioning for any reason, another member will be elected in his / her place within one month.
- k) Each BWMC will open and operate a separate bank account. This bank account will function as the O&M fund for that slum.
- l) The BWMC will be authorized by the ULB to raise funds for O&M as is elaborated under item no. 13.
- m) The ULB will make matching contribution against the fund raised by the BWMC through user charges to encourage the process.
- n) The BWMC will report to the slum dwellers in a meeting held once in six months on revenue, expenditure and maintenance issues. This meeting will be attended by Local Councillors, ULB Officials & Engineers, Community Organizer, Town Project Officer, CDS member.
- o) There must be an agreed upon O&M Plan between the ULB, CDS and BWMC for the assets created in that particular slum under IHSDP as listed in 1st meeting.

- p) They will need interim hand holding which will be extended by the ULB by providing their technical person and accounts person for technical and accounts support. Otherwise the ULB can take help of local NGOs / CSOs for providing support to BWMC.
- q) Chairman, Secretary and Cashier will be selected within the BWMC. Bank account will be operated by any two of them jointly.
- r) The existing Beneficiary Committee will cease after the BWMC is formed.

Maintenance:

Water Supply:

Routine maintenance

- a) Daily cleaning
- b) Petty repair
- c) Periodical testing of water

Petty repair involves mainly replacement of street stand posts, repairing of hand pump and platform. It is to be ascertained by the ULB / Bustee Works Management Committee (BWMC) how much money is roughly required per month for meeting the cost of this petty repair, daily cleaning and periodical testing of water. The cost of petty repair works and daily cleaning is to be met from collection of fund from the Beneficiaries.

The Bustee Works Management Committee (BWMC) will supervise this 'Daily cleaning and petty repair work'.

Sanitation:

Community

latrine

Daily cleaning and petty repair work:

- It requires daily cleaning (once, twice or more) by engaging a sweeper on contract.
- Replacement of Bib cock and other petty repairing work

It is to be ascertained by the ULB / BWMC as to how much money is required per month for carrying out the work of item (i & ii). The cost of item (i & ii) is to be met from ULB fund / Beneficiary Contribution / or a combination of both in every month. This decision may be taken. The BWMC is required to collect the contribution from Beneficiaries every month and supervise the work.

Major repair and maintenance work:

Periodical maintenance of latrine structure by way of plastering, colour washing, door, window, floor repairing, replacement of broken (W.C.) pan, cleaning of septic tank etc

Major repair and maintenance work will be implemented by the ULBs from their fund by engaging

CDS /contractor or ULB staff.

Drainage:

Petty repair, operation and maintenance:

It requires cleaning at least once or twice in a week and occasional petty repair. This work should be executed by the BWMC, for which the BWMC will first decide how much money will be required in every month for getting this work done. Once the amount is ascertained, the ULBs will decide whether this expenditure may be fully met from the contribution of the Beneficiaries only or proportionately shared by ULB and Beneficiaries. The BWMC will collect the contribution from Beneficiaries. It is to be decided how the contribution be collected. The BWMC will supervise the work.

Major maintenance and repairing work like plastering, reconstruction of damaged portion and other works may be needed from time to time.

Major maintenance and repairing work will be executed by the ULBs from their fund by engaging

CDS / contractor or ULB staff.

Road:

Maintenance of Concrete paved road:

Sweeping, petty repair and maintenance will be implemented by the BWMC for which they will collect contribution from Beneficiaries.

Solid waste management:

1. Daily door to door collection and depositing to the nearby container / trailer
2. Will be done by the ULB with existing staff. The staff engaged for this work will report to the BWMC who will supervise their work. The BWMC will maintain the attendance of the staff attending the work and report on weekly basis to the ULB regarding their attendance and performance. BWMC will first assess how much money will be required every month. The BWMC will collect the contribution from Beneficiaries every month. BWMC will supervise the work.

3. Transporting from container / trailer to dumping / composting ground
4. The ULBs will execute the work from their fund.

Duties of BWMC

1. They will maintain a register showing the existing services / structures under their control :

i. Water supply

- a) What is the length of water line
- b) What is the diameter and material of water line
- c) How many stand posts are there
- d) How many small dia-deep tube wells are there and their status (functioning /defunct)
- e) How many big dia deep tube wells are there and their status (functioning /defunct)

They will maintain a register for keeping stock of materials which are often required for day to day maintenance work like bib cock, short pipe for stand posts etc.

ii. Sanitation, Drainage, Solid waste management, Community Centre

- a) They will maintain a register showing number of existing community latrines, Community Seva Kendra and community centres under their control with their status. They will also maintain a register of consumable goods like Muriatic acid, brush, broom, towel, soap etc. which will be required for maintenance purpose.
2. They will maintain an attendance Register for the persons attending duties. They should also maintain a register of income (collection) and expenditure.
 3. The Bustee Works Management Committee (BWMC) will be responsible for awareness generation amongst the slum dwellers for upkeep and maintenance of the assets created.

Function of ULB for O&M work through BWMC:

- i) Formation of Bustee Works Management Committee (BWMC) through a process of election.
- ii) One cashier to be elected among the BWMC for keeping accounts.
- iii) O&M Plan as per format to be discussed with all slum dwellers and agreed and a Tripartite Agreement signed by ULB, CDS and Bustee Works Management Committee.
- iv) ULB to pass the O&M Plan by Board of Council and earmark funds as required.

- v) ULB to allot work to one engineer and one accounts person to supervise, implement of O&M Plan and keep in regular touch with the BWMC to ascertain and solve minor problems. Local councillor may also be asked to supervise along with the engineer and liaise with the BWMC.
- vi) Necessary corrective action from time to time may be taken by ULB.

Proposed funding pattern for O&M work by BWMC

Under PMAY Projects, guidelines indicate that, O & M cost of first five years. This should be applicable to Cost of Buildings i.e. group housing, community centre etc. The beneficiaries should form a Residents Welfare association who should be responsible for maintenance of residential buildings, community facilities beyond the first five years. As far as the infrastructure viz. Roads, drains, street lighting, Water supply, sewerage is concerned the O & M becomes part of city wide infrastructure. However it is considered appropriate that beneficiaries would pay user charges for infrastructure for which the concerned authorities should work out appropriate User charge with suitable cross subsidy. In addition, the administrative arrangement for attending to complaint and regular maintenance to ensure on time maintenance also needs to workout.

Future year's operation and maintenance will be met out from a mix of user charges and ULB funding.

Arrangement for training to the members of the BWMC for petty repair, operation and maintenance work should be made by the ULB.

Central Share

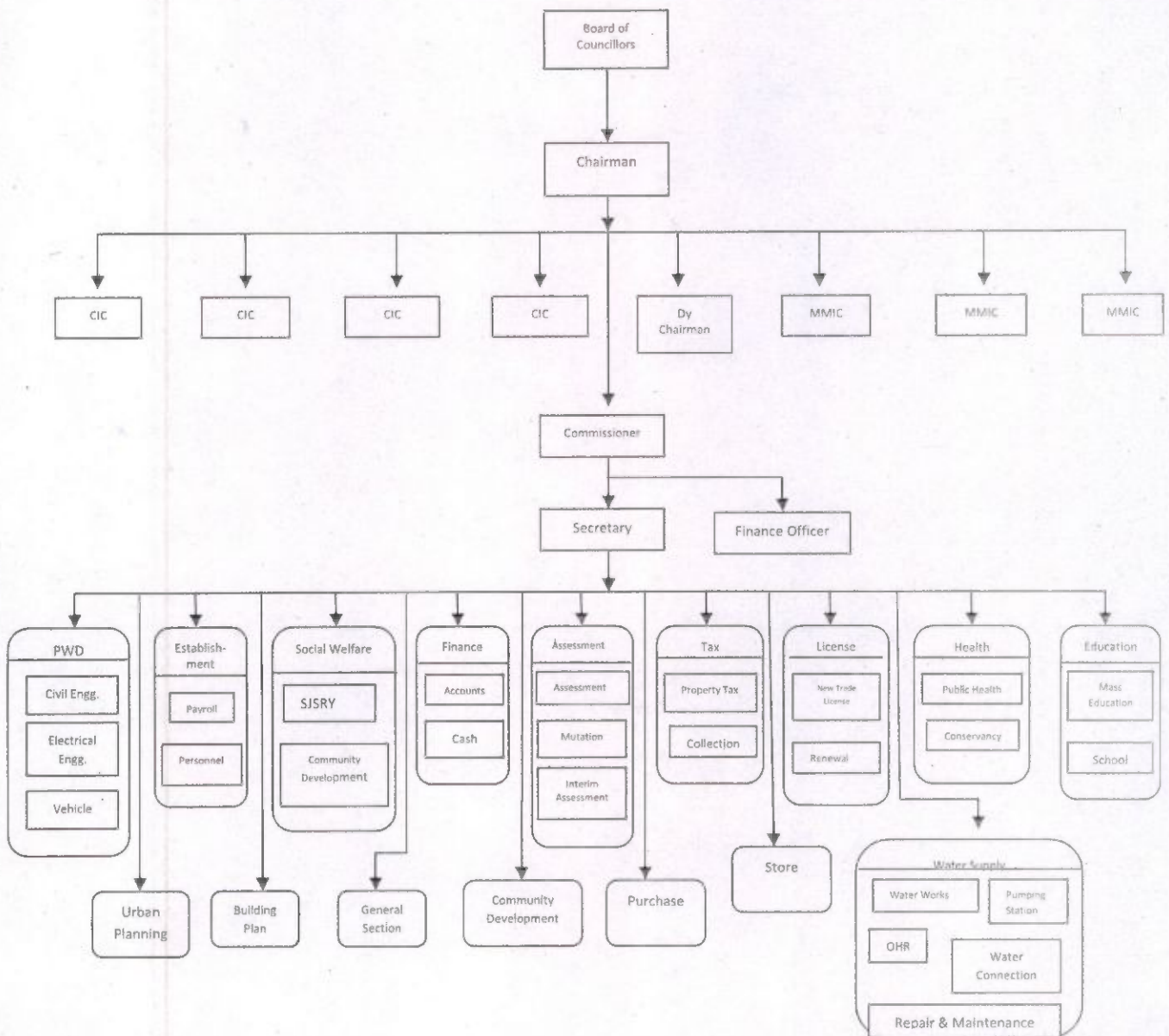
A cost for O&M of assets created under PMAY is permissible. This has been fixed at 2% of the approved project cost of which the Central share would be 50% i.e. 1% of the approved project cost.

Future year's operation and maintenance will be met out from a mix of user charges and balance from ULB funding

Budget of Operation and Maintenance of Assets created Under Pradhan Mantri Awas Yojana Housing for All (Urban) for 60 months (O &M Started 3rd year from the date of construction						
Sl.no	Description of Field	Quantity	Unit	Rate per month(Rs.)	Months	Amount (Rs. in lakhs)
A	Operational Personnel	Service of Municipal Staff to be Utilized				
1	Junior Engineer					0
2	Plumber					0
3	Electrician					0
4	Gardener					0
	Sub-Total					0
B	Repair of Housing & Infrastructure					
1	Housing	200	Nos.	6512	60	3.91
3	Drainage	1510	Mtr	2469	60	1.48
4	Road	1847	SqMtr	8096	60	4.86
	Sub-Total					10.25
	Total Expenditure(A+B)					10.25
C	Income Generation					
1	Beneficiaries Subscription	200	Nos.	80	60	9.6
2	Municipality Subsidy			1083	60	0.65
	Sub-Total					10.25
	Total Earning(C)					10.25
	Surplus/Deficit C-(A+B)					0.00

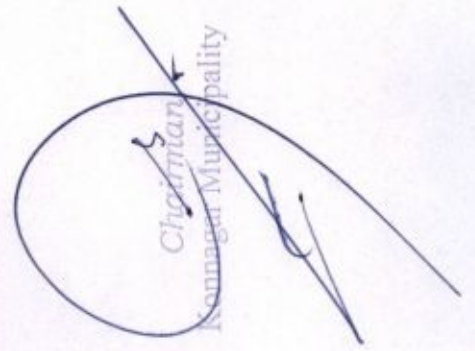
Institutional Capacity

Konnagar Municipality , with its elected local body in place, has developed institutional strength to implement, operate & maintain proposed infrastructure. The Municipality spreading over an area of 61.5 square kilometres is comprised of 41 wards With efficient and trained manpower, the Municipality has developed both technical and administrative skills. The development of appropriate municipal organizational structures with qualified staff is essential if municipalities are to provide cost effective services to citizens. With local government reform municipalities are required to take on new tasks, and provide new services. This will only be possible if municipalities have cost-effective and appropriate structures and staff that are well qualified and highly motivated. The municipalities should plan in such a way so as to ensure that they can meet the needs of citizens effectively and efficiently.



The Municipality is entrusted with the responsibilities of providing the following civic service and infrastructural facilities to the citizens:

- Solid Waste Management
- Birth and Death Registration
- Crematoria and burial ground
- Prevention of food adulteration
- Preventive Health Care and Health Care
- Services
- Roads and its development
- Widening & improvement to roads
- Street Lighting
- Bus Stands, Public Urinals
- Markets
- Storm Water Drainage and Flood Control.
- Parks and Playgrounds
- Plantations
- Town Planning
- Slum Improvement and Urban Community
- Development
- Education
- Water
- Beautification
- Auditoriums

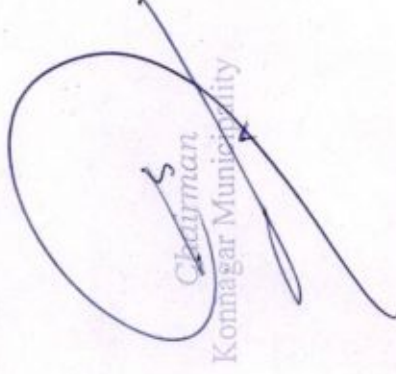


SLUM WISE DETAILS OF DU AND INFRASTRUCTURE COST OF 2019-20

Slum No.	Name of Slum	Slum Code	Area Sqkm	No. of Household	Dwelling Units (@ Rs. 3.68 Lakh/ each)		Drainage (M) (Rs. 2540.00/M) (Section -400x400)		Concrete Roads (@ Rs. 1736.00/Sq.M)		Total cost of Infrastructure @ 10% of D.U. cost Rs. in Lac	Grand Total (Rs. in lakh)
					Qty.	Amt. (in Lakh)	Qty.	Amt. (in Lakh)	Qty.	Amt. (in Lakh)		
1	Jugi Lane Bustee(S.C-008)	20001	0.01906	73	10	36.80	75	2.06	93	1.61	3.68	40.48
2	Jugi Lane Naya Bustee(S.C-007)	20026	0.0009	15	10	36.80	75	2.06	93	1.61	3.68	40.48
3	Peara Bagan Area(S.C-015)	20003	0.00643	23	10	36.80	75	2.06	93	1.61	3.68	40.48
4	Jahar Lal Neheru Sarani Area(S.C-018)	20002	0.00278	24	10	36.80	75	2.06	93	1.61	3.68	40.48
5	Raja Singh Bustee(S.C-002)	20004	0.01597	13	10	36.80	75	2.06	93	1.61	3.68	40.48
6	Chhai Debi Bustee(S.C-003)	20005	0.00671	433	10	36.80	75	2.06	93	1.61	3.68	40.48
7	Lichu Bagan Bustee(S.C-004)	20006	0.0127	10	10	36.80	75	2.06	93	1.61	3.68	40.48
8	C.S.Mukherjee Sireet Bustee(S.C.-006)	20007	0.02753	139	10	36.80	75	2.06	93	1.61	3.68	40.48
9	Sri Durga Tailor Line Bustee(S.C-009)	20008	0.01356	36	10	36.80	75	2.06	93	1.61	3.68	40.48
10	Bengal Fine Bustee(S.C-012)	20027	0.00584	87	10	36.80	75	2.06	93	1.61	3.68	40.48
11	Harjian Bustee(S.C.-001)	20030	0.00691	1	10	36.80	75	2.06	93	1.61	3.68	40.48
12	Bazar Ghat Bustee(S.C-010)	20009	0.00322	5	10	36.80	75	2.06	93	1.61	3.68	40.48
13	Punjabi Bagan Area(S.C-016)	20028	0.00108	4	10	36.80	75	2.06	93	1.61	3.68	40.48
14	Jana Para Area(S.C.-017)	20029	0.04529	10	12	44.16	92	2.53	109	1.89	4.42	48.58
15	Bechu Bagan Bustee(S.C-011)	20031	0.09138	21	12	44.16	92	2.53	109	1.89	4.42	48.58
16	Jorapurkur Area(S.C-019)	20032	0.03843	75	12	44.16	92	2.53	109	1.89	4.42	48.58
17	Kansari Pukur Bustee No.2(S.C-014)	20012	0.02205	58	12	44.16	92	2.53	109	1.89	4.42	48.58
18	Kansari Pukur Bustee No.1(S.C-013)	20010	0.0079	106	12	44.16	92	2.53	109	1.89	4.42	48.58
19	Ward 1- to 20	N.S.			10	36.80	75	2.06	93	1.61	3.68	40.48

SLUM WISE DETAILS OF DU AND INFRASTRUCTURE COST OF 2019-20

Slum No.	Name of Slum	Slum Code	Area Sqkm	No. of Household	Dwelling Units (@ Rs. 3.68 Lakh/ each)		Drainage (M) (Rs. 2540.00/M) (Section -400x400)		Concrete Roads (@ Rs. 1736.00/Sq.M)		Total cost of Infrastructure @ 10% of D.U. cost Rs. in Lac	Grand Total (Rs. in lakh)
					Qty.	Amt. (in Lakh)	Qty.	Amt. (in Lakh)	Qty.	Amt. (in Lakh)		
Total			0.33	1133	200	736.00	1510	41.54	1847	32.06	73.60	809.60


 Chairman
 Konnagar Municipality

HFA Under Pradhan Mantri Awas Yojana

Year of Implementation : 2019-20

Name of the City: KONNAGAR MUNICIPALITY

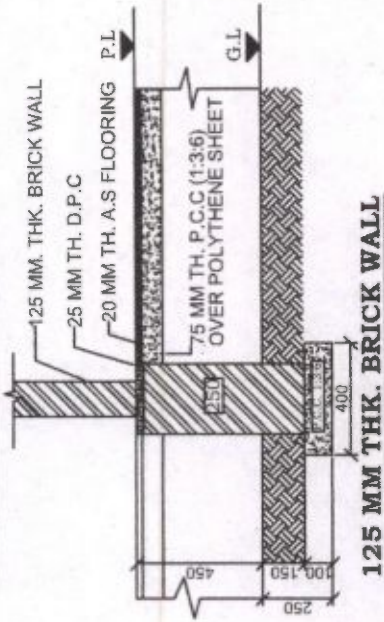
Infrastructure Cost

SL. NO	DESCRIPTION OF WORK	QUANTITY	UNIT	RATE PER UNIT	TOTAL COST (In Lacs)
1	Roads				
i	CC Roads	1847	Sqm	1736.00	32.06392
Total Road Cost Sub Total (A)					32.06392
2	Storm Water Drains				
i	Surface drain Brick Mationary 400mm x 400 mm	1510	Mtr.	2751.00	41.54010
Total Storm Water Drains Cost Sub Total (B)					41.54010
Grand Total (A+B)					73.60

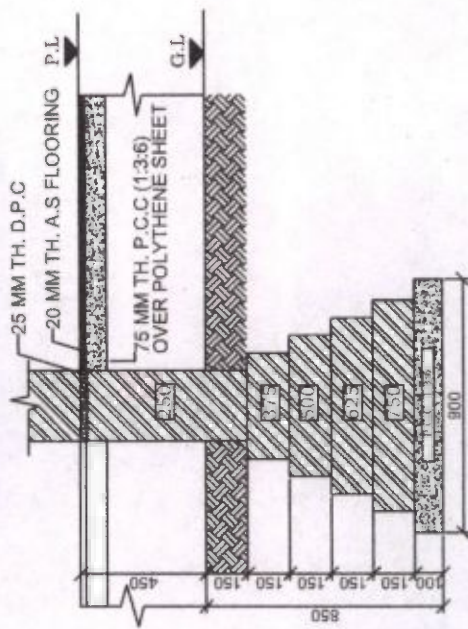
Chairman
Konnagar Municipality

DRAWINGS

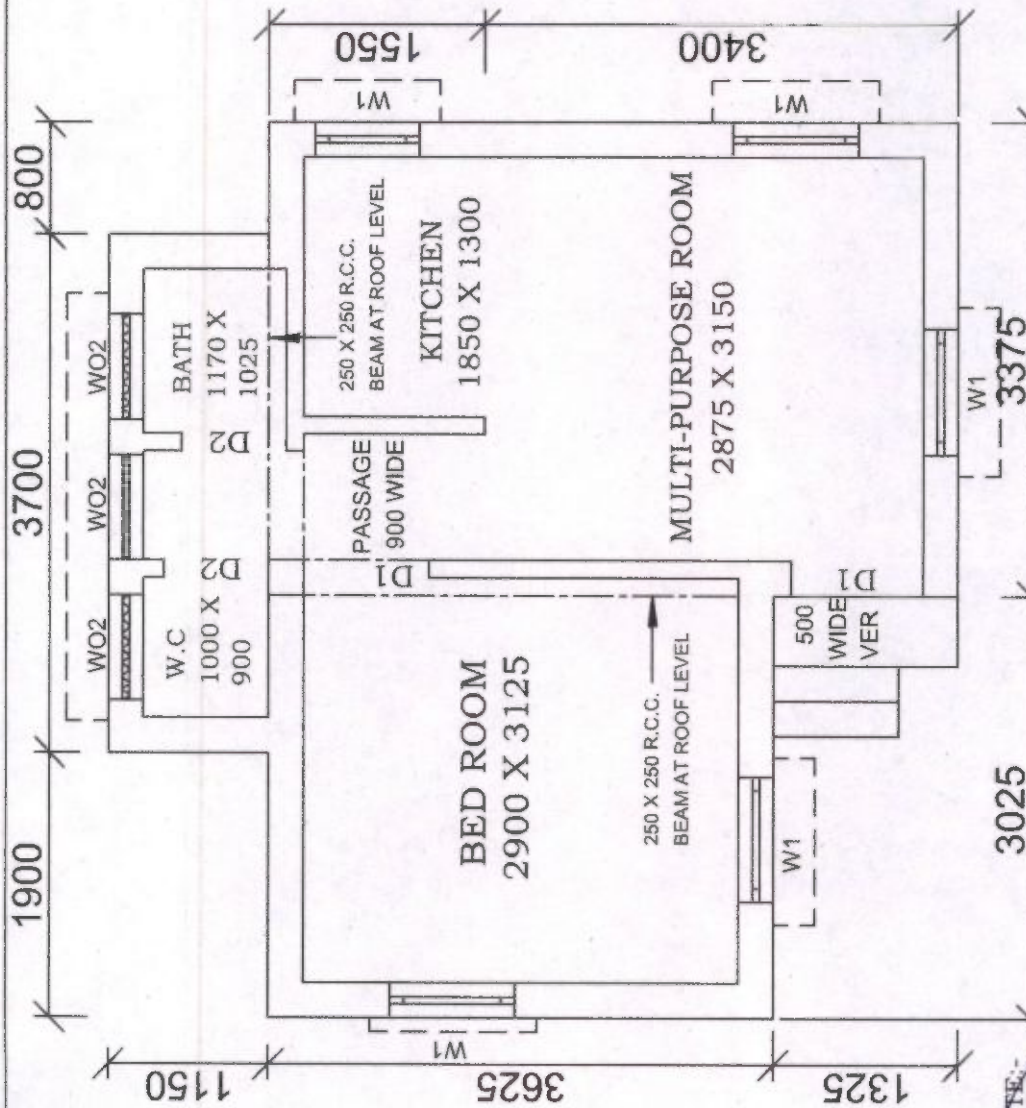
FOUNDATION DETAILS



125 MM THK. BRICK WALL



250 MM THK. BRICK WALL



DOORS & WINDOWS SCHEDULE	
MARKING	DIMENSION
W1	900 X 900
W2	750 X 900
W02	750 X 750
D1	900 X 2100
D2	750 X 2100

FLOOR AREA - 25.77 SQM.

BUILT UP AREA - 32.48 SQM.

3025

3375

NOTE:-

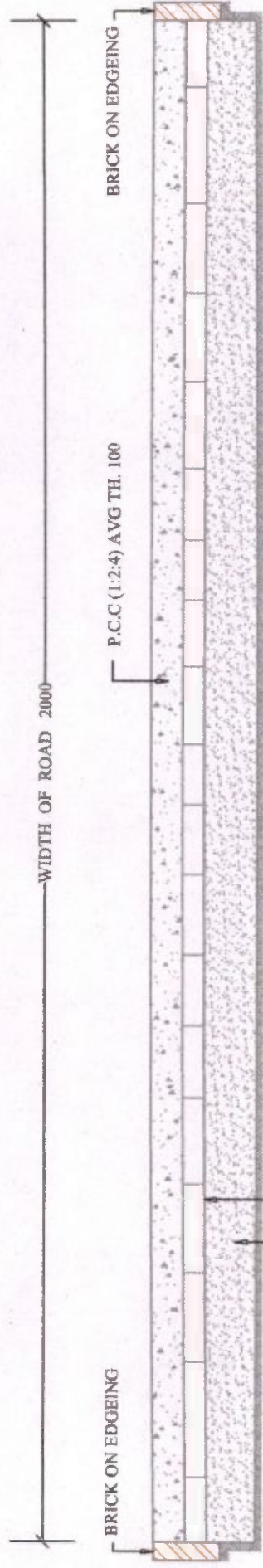
1. ALL WINDOW OPENINGS (W1&W2) WILL BE PROVIDED WITH Z-BATTEN SHUTTERS.
2. ALL DOORS (D1&D2) - 25TH Z-BATTEN SHUTTERS, SINGLE LEAF.
3. W02 - OPENING PROVIDED WITH R.C.C. JALLI.
4. PLINTH HEIGHT - 450 TH.
5. CEILING HEIGHT - 2750 TH.
6. MAIN WALL - 450 TH.
7. PARTITION WALL - 125 TH.
8. ROOF SLAB, BEAM, LINTEL, ETC. WITH REINFORCED CEMENT CONCRETE M20 GRADE.
9. FLOOR OF VERANDAH, WC, BATH, & KITCHEN ROOM TO BE KEPT 15 MM BELOW THE FLOOR LEVEL OF ROOM & PASSAGE.
10. 100 MM TH. PIECE LINTEL OVER OPENING HAVE BEEN PROVIDED.
11. ALL DIMENSION ARE IN MM.

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

DWG. NO.

SCALE :- 1:50 & 1:25

Chairman
 Konnagar Municipality



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

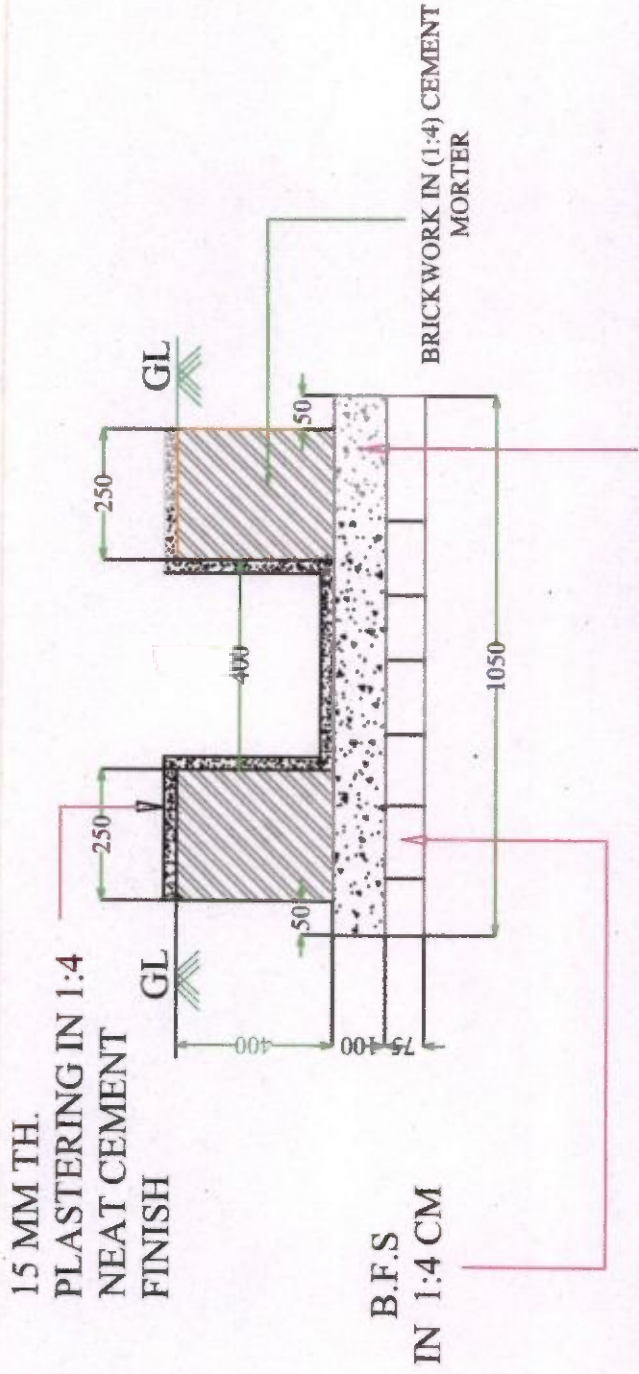
[Signature]
 Chairman
 Konnagar Municipality

PRADHAN MANTRI AWAS YOJANA
 HOUSING FOR ALL (URBAN)

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

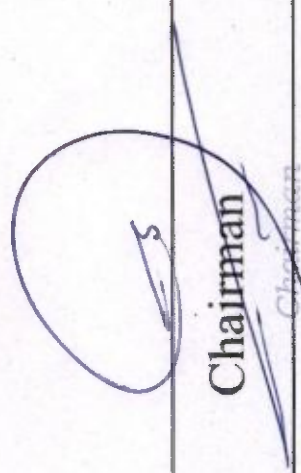
DWG. NO.

CROSS SECTION OF DRAIN (400 x 400)



100 MM TH. P.C.C (1:2:4) OVER
75 TH. BRICK FLAT SOLING

Assistant Engineer


Chairman

ESTIMATE

DETAILED ESTIMATE FOR THE CONSTRUCTION OF SINGLE UNIT DWELLING HOUSE

Pradhan Mantri Awas Yojana Housing For All (Urban)

Total Covered Area- 32.18 sq.m (With Electrical Works)


Reference of Schedule of Rates : PWD (W.B.), Schedule of Rates Building & Sanitary & Corrigenda

Floor Area 25.37 sqm

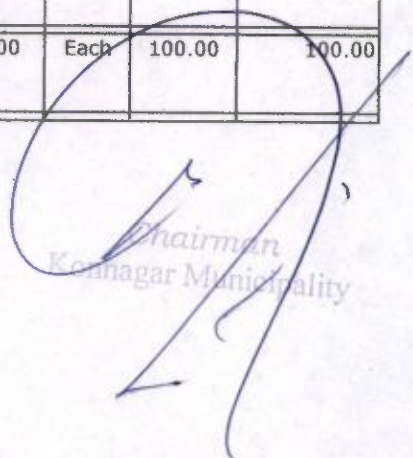
SL No	Description of Works	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1	Earthwork in excavation in foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing spreading or stacking the spoils within a lead of 75 m as directed including 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


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SL No	Description of Works	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
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
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) b) Out side Wall, 15mm th. SOR, PWD, P-151, I -2 (i)(c) B)10mm th ceiling plaster (4:1) SOR, PWD, P-151, I -2 (i)(c)	116.940	sq.m.	181.00	21166.14
		111.950	sq.m.	156.00	17464.20
		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 concrete (4:2:1) with stone chips laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (2:1) including smooth finishing and rounding off corners and including application of cement slurry before flooring works, using cement @ 1.75 kg./sq.m. all complete including all materials and labour. In ground floor. 3 mm. thick topping (High polishing grinding on this item is not permitted) with ordinary cement. 20mm thick 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 complete 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 Panel Consisting Of single Plan without Join) 25 mm thick shutter with 12 mm thick Panel of size 30 to 45 cm. Other Local wood 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 smoothening surface thoroughly external surface One Coat SOR, PWD, P-155, I - 4(ii)(a)	100.560	%sq.m	1514.00	1522.48


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SL No	Description of Works	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
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) 2) On Steel Surface SOR, PWD, P - 162, I - 7(b)	21.690 2.700	sq.m. sq.m.	41.00 31.00	889.29 83.70
22	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary : With finer gloss (hi-gloss)-With any shade except white a) On timber or plastered surface Two Coats b) On Steel surface Two Coats SOR, PWD, P - 162, - 8A(aii),(bii)	21.690 2.700	sq.m. sq.m.	89.00 86.00	1930.41 232.20
23	Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16 mm dia 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 depts. 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 ii) UPVC Bend 87.5 degree 110 mm dia iii) UPVC Shoe 110 mm	3.000 2.000 1.000	Mtr. each each	291.00 162.00 128.00	873.00 324.00 128.00
26	M.S.or W.I. Ornamental grill of approved design joints continuously welded with M.S, W.I. Flats and bars of windows, railing etc. fitted and fixed with necessary screws and lugs in ground floor. Grill weighing 10 kg/sq m 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 conforming to I.S. 3989 / 1970 and 1729 / 1964 including lead caulked joints and painting two coats to the exposed surface. S Trap 100 mm 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


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SL No	Description of Works	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
	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 mortar (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 75mm. RCC slab (4:2:1) with 8mm tor steel @ 150 mm. centre to centre both ways including plastering and neat cement punning on top of the slab and making hooking arrangement on slab for lifting of the slab if require as well as jointing the connection with the inspection pit (450 x 450) covered with 50mm thick RCC slab (4:2:1) with stone chips and necessary reinforcement and connected with 100 mm dia PVC pipe laid over rammed earth and then covered the pipe property 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
					368000.00
(Rupees Three lakh Sixty Eight thousand only)					


 Chairman
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ESTIMATE FOR ELECTRICAL WORKS FOR ONE DWELLING UNIT UNDER RAY					
(ANNEXURE-I)					
Sl.No	Item of works	Unit	Rate	Quantity	Amount
1	Supplying & fitting polythene pipe complete with fittings as necessary. Under ceiling /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	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	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 insulated and unseathed cop per (Finolex make) wire used as ECC in 19 mm bore 3 mm thk. polythene pipe complete with all accessories embedded in wall smooth run to light / fan/call bell point with piano key type switchb (6 Amps) (Anchor make) fixed on sheet metal (16 SWG) Switch Board with bakelite/ perspex (wall matching 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	Deistribution concealed wiring with 2x1.5 sq mm (PH & N) single core stranded FR PVC insulated & unseathed single core sstranded 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 insulated & unseathed 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	Supplying & drawing 1.1 KV grade single core strtanded FR PVC insulated & unseathed single core stranded cu Wire 3x2.5 sq mm (finolex make) in the prelaid polythene pipe & by the prelaid GI fishwire & making necessary connection as required (CESC supply to consumer DP near to CESC & inside the room another DP near CESC & inside the room another DP of dwelling units)	RM	86.00	15.00	1290.00

Sl.No.	Item of works	Unit	Rate	Quantity	Amount
6	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
7	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	Connecting the equipment to earth BUSbar inclusive S&F 10 SWG (Hot Dip) GI wire on wall /floor with a staples buried inside wall /floor as required & making connection to equipments with bolt, nut, washer, cable lugs etc. as required & mending good damages.	M	6.00	5	30.00
				TOTAL	17858.00
Rupees Thirteen Thousand Eight Hundred Seventy Eight Only					17858.00

Chairman
Konnagar Municipality

Cost Estimate for 2 Nos Leach Pit for single unit Dwelling Unit


(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 bottom boiling out water aqs required 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



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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-21(A)(ii)	4.000	Mtr	291.00	1,164.00
	ii) UPVC Bend 87.5 degree 110 mm dia P.no-174, I-21(B)(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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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	ms
	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
						ms
2	Soling					
		24.375	0.75		18.281	
		11.45	0.4		4.58	
					22.861	
3	Polythene sheet					
		2.575	3.125		8.047	
		2.875	2.625		7.547	
		2	1.65		3.3	
	passage	0.625	2.375		1.484	
	Bath&WC	2.7	0.9		2.43	
	Varndah	1.025	0.6		0.615	
	step	0.9	0.5		0.45	
					23.873	
4	Jhama concrete					
			18.28	0.075	1.371	
			4.58	0.075	0.344	
			23.93	0.075	1.795	
					3.51	
5	Earth work in filling 1/5 excavation					
			13.715	5	2.743	
			23.48	0.375	8.805	
					11.548	ms
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	ms	
7	DPC	23.5						
		1.125						
		24.625		0.25		6.156		
		3.125						
		1.8						
		5.224						
		10.149		0.125		1.269		
						7.425		
	Less		0.9	0.25	0.225			
			0.9	0.125	0.113			
		3	0.75	0.125	0.281			
						0.619		
						6.806	sqm	
8	BW in super structure (6:1)							
		23.5						
		1.125						
		24.625	2.75	0.25	16.93			
	Parapet	23.8	0.075	0.25	0.446			
						17.376		
	Less opens							
		1 0.9	2.1	1.89				
		4 0.9	0.9	3.24				
		1 0.75	0.9	0.675				
		3 0.75	0.75	1.688				
				7.493	0.25	1.873		
	Lintel							
		1 1.525	1.525					
		4 1.2	4.8					
		1 1.05	1.05					
			7.375	0.25	0.1	0.184		
	Wo2							
		1 3.05	3.05	0.25	0.1	0.076		
					(-)	2.134		

	Net brick work					15.242	ms
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			
	passeege	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				
	W02	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	ms
11	Reinforcement						
		3.866	0.80% 1	7850	0.243	MT	
12	Shuttering						

	31	23.5	1.125						
			24.63	0.25					
	31			6.156	24.844				
	Side beam	2	3.125	0.15	0.9375				
		2	2.325	0.1	0.465				
	side slab	1	25.3	0.1	2.53				
	Lintel	1		0.9	0.225				
		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				
	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	
	Ceiling 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	
	Kitchen		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		m ³
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			
								8.557	Sqm
19	Iron Butt Hinges								
	D1+D2								12

	W1	4	4			16		
	W2	1	4			4		
							32 nos.	
20	Iron socket 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 surface							
	2	2	0.9	2.1		7.56		
	2	2	0.75	2.1		6.3		
	4	2	0.9	0.9		6.48		
	1	2	0.75	0.9		1.35		
							21.69	sqm
24	Painting best quality on wooden surface							
	same sl.no. 23						21.69	sqm
25	MS ornamental gril....10Kg-16 Kg							
	W1	4	0.75	0.75	2.25			
	W2	1	0.75	0.6	0.45			
					2.7			
					@12Kg/sqm		32.4	Kg
26	Priming on Steel surface						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

Chairman
Konnagar Municipality



ESTIMATE FOR CONSTRUCTION OF CONCRETE ROAD PER SQ-MTR

All rates are taken from P.W.D. Schedule 2017 Effective from 01.11.2017. and 9th Corrigenda effect from 01.11.2019

Consider 30.0m x 2.0m Cement Concrete Road

SL No	Description						UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
	Details	No	L	B	H	Qty.				
1	Brick edging 75 mm wide with picked jhama bricks, laid true to line and level including cutting necessary trench in soil or in hard metalled surface, laying the bricks and repacking the trench (on both side of the edging) with spoils and ramming the same thoroughly complete as per direction. Page-227, Item-3. (b) Brick-on-end edging (250 mm) depth						%Metre	63.70	8,959.00	5,706.88
	For CC road	2.0	30.000				60.00			
	End side	2.0	1.850				3.70			
					Total-		63.70			
2	(A) Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity). Page-2, Item No.-4.						%Cum	5.52	71,181.00	3,929.19
	For CC road	1.0	29.850	1.850	0.100		5.52			
					Total-		5.52			
3	Brick soling with picked jhama bricks including preparation of bed as necessary with brick joints properly filled in and packed with powdered earth and including necessary cushion of similar material below the soling (and in between layers when more than one layer is used) completes as per direction. Page-226, Item-1. (a) Single brick flat soling (thickness 75 mm.)						Sqm	55.22	312.00	17,228.64
	For CC road	1.0	29.850	1.850			55.22			
					Total-		55.22			
4	Hire and Labour Charges for shuttering with hard wood for precast R.C. Slab curved, or stright and striking out the same including fitting, fixing the precast slab in position with necessary carriage and haulage, hosting etc, complete in all respect. (only the area in contact with concrete to be measured) Page-43, Item No.-38						Sqm	6.40	94.00	601.60
	For CC road	2.000	30.000	0.100			6.00			
		2.000	2.000	0.100			0.40			
					Total-		6.40			
5	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement, if any, as per relevant IS codes. A) Pakur Variety. Page-11, Item-5.a a)Ground floor.						Cum	12.00	5,233.85	62,806.25
	For CC road	2.0	30.000	2.000	0.100		12.00			
					Total-		12.00			
6	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 basis of measurement of finished quantity of work). (a) With earth obtained from excavation of foundation.						%Cum	1.92	7,754.00	148.88
	Consider total Earth cutting	2.0	30.000	0.300	0.100		1.80			
		2.0	2.000	0.300	0.100		0.12			
					Total-		1.92			

Total-	90,421.44
Add GST @ 12%	10,850.57
Total including GST	101,272.01
Add @ 1% Labour CESS	1,012.72
Total including CESS	102,284.73
Add Contingency @ 3%	3,038.16
Grand Total	105,322.89
Total area of Road in Sq.m	60.00
Rate /Sq.m=	1755.38
Say	1736.00


 Chairman
 Konnagar Municipality

Abstract of Estimated Cost for Drain section of 400mmx400mm

All rates are taken from P.W.D. Schedule 2017 Effective from 01.11.2017. and 9th Corrigenda effect from 01.11.2019

Length= 1.0 Mtr.

Sl. No	Description						UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)		
	Details	No	L	B	H	Qty.						
1	Earth work in excavation of foundation trenches or drains. In all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing. Spreading or stacking the spills within a lead of 75m. As directed. The item includes necessary trimming the sides of trances, leveling dressing and ramming the bottom complete a) Depth of excavation not exceeding 1500mm. Page-1, Item-2.						%Cum	0.65	11,927.00	77.53		
	For drain	1.0	1.000	1.000	0.650	0.65					Total-	0.65
2	(A) Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity). Page-2, Item No.-4.						%Cum	0.10	71,181.00	71.18		
	For drain	1.0	1.0	1.0	0.100	0.10					Total-	0.10
3	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand. Page-11, Item-1.						Sqm	1.00	357.00	357.00		
	For drain	1.0	1.000	1.000		1.00					Total-	1.00
4	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement, if any, as per relevant IS codes. A) Pakur Variety. Page-24, Item-4,a a)Ground floor.						Cum	0.08	5,233.85	418.71		
	For drain	1.0	1.000	1.000	0.075	0.08					Total-	0.08
5	Brick work with 1st class bricks in cement mortar (4:1) (a) In foundation and plinth I- 7 & P-15 of 315						Cum	0.15	5,560.00	834.00		
	For drain	1.0	1.000	0.250	0.400	0.10						
		1.0	1.000	0.250	0.200	0.05					Total-	0.15
6	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 basis of <u>measurement of finished quantity of work</u>). Consider total Earth						%Cum	0.65	7,754.00	50.40		
		1.0	0.650			0.65					Total-	0.65
7	125mm. Thick brick work with 1st class bricks in cement mortar (4:1) a) in ground floor. I-16 & P16 of 315						Sqm	0.20	722.00	144.40		
	For drain	1.0	1.0		0.200	0.20					Total-	0.20
8	Hire and Labour Charges for shuttering with hard wood for precast R.C. Slab curved, or stright and striking out the same including fitting, fixing the precast slab in position with necessary carriage and haulage, hosting etc, complete in all respect. (only the area in contact with concrete to be measured) Page-43, Item No.-38						Sqm	0.15	94.00	14.10		
	For drain	0.667	0.775	0.125	2.000	0.13						
		0.667	0.125	0.125	2.000	0.02						
						0.15					Total-	0.15
9	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 In ground floor. Page-14, Item No.-7						m3	0.01	5,794.56	57.95		
	For drain	0.667	0.775	0.125	0.125	0.01					Total-	0.01

10	Reinforcement for reinforced concrete work in the 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 binding with 16 gauge black annealed wire at every intersestion complete as per drawing and direction. a) For works in foundation Basement and up to roof of ground floor/upto 4m i) Tor steel/Mild steel Page-43, Item No.-40 JSW/JSPL/SHYAM/Electrosteel/ SRMB/SSL	Qntl	0.006	5,062.46	30.37	
	Considering @ 1.0% = 78.5kg/M3		1.0	0.008	0.785	0.0063
					Total-	0.01
11	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor). [Excluding cost of chipping over concrete surface] (ii) with 1:4 cement mortar I-1 & P189 of 315 (a) 15mm thick plaster	m2	1.58	160.00	252.80	
	For drain		1.0	1.000	1.575	1.58
					Total-	1.58
12	Neat cement punning about 1.5mm thick in wall,dado,window sill,floor etc. Page-192, Item-15 NOTE:Cement 0.152 cu.m per100 sq.m.	m2	1.58	34.00	53.72	
	For drain		1.0	1.000	1.575	1.58
					Total-	1.58
					Total-	2,362.16
					Add GST @ 12%	283.46
					Total including GST	2,645.61
					Add @ 1% Labour CESS	26.46
					Total including CESS	2,672.07
					Add Contingency @ 3%	79.37
					Grand Total-	2,751.44
					Rate /Mtr length=	2,751.00


 Chairman
 Konnagar Municipality

FUND FLOW PATTERN

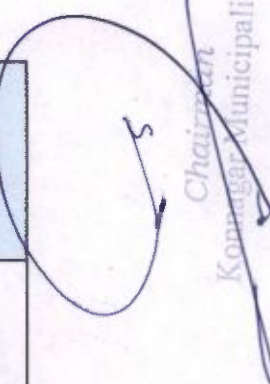
NAME_OF THE SCHEME	ESTIMATED COST	Rupees in lakhs				TOTAL
		YEAR 2019-20				
		GOI	GOWB	ULB	Beneficiaries	
PMAY project - KONNAGAR MUNICIPALITY	809.60	300.00	422.80	36.80	50.00	809.60

PHASING OF FUND

YEAR 2019-20	Rupees in lakhs				TOTAL
	RELEASE OF FUND				
	GOI	GOWB	ULB	Beneficiaries	
1st Installment @ 40%	120.00	169.12	14.72	50.00	353.84
2nd Installment @ 40%	120.00	169.12	14.72	0.00	303.84
3rd Installment @ 20%	60.00	84.56	7.36	0.00	151.92
TOTAL	300.00	422.80	36.80	50.00	809.60

REQUIREMENT OF FUND

SL. NO	NAME_OF THE SCHEME	Rupees in lakhs		TOTAL
		YEAR 2019-20		
1	PMAY project - KONNAGAR MUNICIPALITY	809.60		809.60
Total		809.60		809.60


 Chairman
 Konnagar Municipality

**SLUM &
NON-SLUM
BENEFICIARY
LIST**

KONNAGAR MUNICIPALITY

PMAY (HFA - 2022)

BENEFICIARY LIST OF KONNAGAR MUNICIPALITY














FY 2019 - 2020

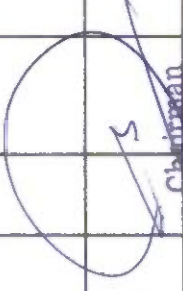
SL.NO	PH. NO	UID NO.	Name of Beneficiary	Father's Name / Husband's Name	Holding No.	WARD NO.	Category					Gender	
							SC	ST	OBC	Minority	PH		EWS
1		444168386189	APARNA GHOSH	MUKUNDA GHOSH	19/D	1						EWS	FEMALE
2		634061886105	HYDER ALI	SAJJAD HUSSAIN	7/H	1				MINORITY		EWS	MALE
3		930174346141	MD SAGIR	MD MAINUDDIN	7/H/1	1				MINORITY		EWS	MALE
4		803223366150	BIJAY MALI	GANESH MALI	10	1				MINORITY		EWS	MALE
5		545983339148	SABITRI HAZRA	TAULA GHOSH	6/20/A/2	1						EWS	FEMALE
6		628641605352	ANNAPURNA HAZRA	RAMCHANDRA DAS	6/20	1						EWS	FEMALE
7		623317150432	BHAGABATA HAZRA	YUDHISTIR HAZRA	6/9/A	1						EWS	MALE
8	9007527772		KAJAL ROY		4	2						EWS	MALE
9	9051044566	975990710022	JHANTU DAS	MANIKAL DAS	33,N.D. BOSE LANE	2						EWS	MALE
10	9038181335		UIJWAL RAY		4/A	2						EWS	MALE



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Chairman
Konnagar Municipality

11	7450956844		GOURI DEBI			63	2									EWS	FEMALE	
12	9038629917		AMIT BHATTACHARJEE	RABINDRANATH BHATTACHARJEE		5	2									EWS	MALE	
13		633532917458	SHIKHA DEY	DEBABRATA DEY		22	2									EWS	MALE	
14		590034899209	DIPAK BARUA	MAHENDRA LAL BARUA		N-32/48	2									EWS	MALE	
15		483425844230	SANJOY SARKAR	SANTOSH SARKAR		42	2									EWS	MALE	
16	8420086418		SHANTI DEVI	SHIWLOCHAN THAKUR		56/2/A	3									EWS	FEMALE	
17	9163190870		SHYAMAL BHUIYA	SHANTIRAM BHUIYA		126/B	3									EWS	MALE	
18	9339847060		RAJ NARAYAN MAHATO			100 N.D BOSE LANE	3									EWS	MALE	
19	9883862964		SAMIR PANDIT	DULAL NATH PANDIT		11/C/1	4									EWS	MALE	
20	9874489029		SANDHYA SAMANTA	NANDALAL MANNA		20/C	4									EWS	FEMALE	
21	8981647887		JAYANTI DAS			97/G	4									EWS	FEMALE	
22	9831128020		ASTO JANA	METHAR CHANDRA GUCHAIT		26/4	5									EWS	FEMALE	
23	9674352321		SWAPAN DALUI			6/C	5									EWS	MALE	


 Chairman

Konnagar Municipality

24	8777216536	987093159115	SUJATA DEY	BASUDEB DAS	10/U	5						EWS	FEMALE	
25	9163078186	498112256784	NARAYAN CH. DAS	JATINDRA NATH DAS	21/B/2	5						EWS	MALE	
26	8017664584	664252821522	APURBA SHAW		12/F	5						EWS	FEMALE	
27	8777588802	820825433616	TRIPTI GHOSH	PANCHANAN GHOSH	17/B	5						EWS	FEMALE	
28	7595858317		MADHABI MAITY		13 P.C MUKHARJEE STREET	5						EWS	FEMALE	
29	9903668134	279774423932	DEBKUMAR SAMANTA		13/A	6						EWS	MALE	
30	9831440882		CHAITALI CHAKRABORTY		183/C/2/A	6						EWS	FEMALE	
31	9231824950		RINA BHATTACHARJEE	CHAYAN BHATTACHARJEE	N/185/C	6						EWS	FEMALE	
32	9804219057		SHANTI BAG		29/B, C.S. MUKHARJEE STREET	6						EWS	FEMALE	
33		634965075817	MINATI DEBNATH	BISTU DEBNATH	201/A/1	6						EWS	FEMALE	
34	6291866953	639643251075	PROTIMA DAS	MIRARI MOHAN SANA	73/A	7						EWS	FEMALE	
35	9007257795	609990295757	SK. ABDUL HALIM	SK. ABDUL HANNAN	34/A	7						EWS	MALE	
36	9051610856	985530240506	PIYALI DAS	DIPAK DEB	39 A.KAZAD ROAD	7						EWS	FEMALE	
37		260872802262	MINATI BARIK	LAKSHMI BARIK	10/E	7						EWS	FEMALE	

Chairman
Konmara Municipality

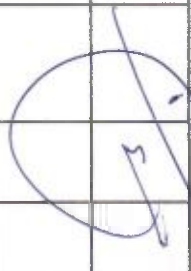
38		672875479277	MAHENDRA NATH JANA	RADHA KRISHANA JANA	26	7						EWS	MALE	
39	7980961958	896957152671	SOMMITRA MUKHARJEE	SHIBMAY MUKHARJEE	29, RAMCHANDRA GHOSHAL	8						EWS	MALE	
40	9681088286	825201388474	PRADIP THAKUR	NARAYAN CH. THAKUR	70/26	9						EWS	MALE	
41	9433457892	738507241679	SUBRATA ROY	BHUPAL CHANDRA ROY	70/78	9						EWS	MALE	
42	8777413918	768807515237	DEBKUMAR MALICK	SATISH CH MALICK	10/A/1	9						EWS	MALE	
43		364780920316	JAGANNATH BANERJEE	BHUPENDRA NATH BANERJEE	70/75	9						EWS	MALE	
44		798589946849	DEBASIS MALLICK	KESHAB	80	9						EWS	MALE	
45		203956877197	SHYAMAL SINGHA ROY	MONORANJAN ROY	70/33	9						EWS	MALE	
46	9432422839	625258239805	BANAMALI PODDER	NITYANANDA PODDER	70/A H.C. BANERJEE LANE	10						EWS	MALE	
47	8902555688	915083256254	SEEMA REKHA NANDI	CHIRA RANJAN DEY	97, DESHBANDHU NAGAR ROAD	10						EWS	FEMALE	
48	9903354100	605658544219	MANTU PARUI	LAKSHAN CHANDRA PARUI	31/C	11						EWS	MALE	
49	8910687837	447059726760	SHIBSHANKAR PARUI	BAMAPADA PARUI	31/E	11						EWS	MALE	
50	6289648255	212130162678	SUSHANTA PARUI	BAMAPADA PARUI	31/E	11						EWS	MALE	
51	9088186727	274361684698	KALIPADA PARUI	BAMAPADA PARUI	31/E	12						EWS	MALE	










Chairperson
 Kottar Municipal Council

52	7890389370	331916670022	SURAJIT DHARA	MAHADEB DHARA	346/A/1	12					EWS	MALE
53		412066037942	TAPAN POREL	SHIBU POREL	46/1	13					EWS	MALE
54		968618502355	GOPAL CHANDRA PATRA	LAXMI NARAYAN PATRA	2/A	13					EWS	MALE
55		843926052804	SUKUMAR DAS	LAKSHMI NAYARAN DAS	10/C	13					EWS	MALE
56	9748022711	602973238612	RATNA SARKAR	SUDHIR DEY	413/A	14					EWS	FEMALE
57	9903732814	579162022196	ASIS KUMAR BHATTACHARYA	MRINAL KANTI BHATTACHARYA	413/C	14					EWS	MALE
58			TANMOY DEY	TARAKNATH DEY	104/A	14					EWS	MALE
59		990129406646	ANIL CHAKRABORTY	UPENDRA MOHAN CHAKRABORTY	21-May	14					EWS	MALE
60		945851871174	PRATIMA GHOSH	AJAY KUMAR DEY	7	14					EWS	MALE
61		773123911071	BISWA NATH PALIT	SUSANTA PALIT	360/F	14					EWS	MALE
62	9007635319	739587165549	SABITA DEBNATH	BIJAY KRISHNA DEBNATH	8/A/1/A	15					EWS	FEMALE
63		495135555536	JHANTU DAS	KANAI DAS	14/21 A.L. BANERJEE STREET	15					EWS	MALE
64		873221815392	SWAPAN DAS	SATYA CHARAN DAS	N/21/2/A/1	15					EWS	MALE
65		512191652339	SADHAN BASU	KESHTRA MOHAN BASU	1/A	15					EWS	MALE


















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66		553018991823	SHILA DAS	RAM DAS	26/C	15							EWS	FEMALE	
67		281165111770	BINAPANI BAG	DHIRENDRANATH MITRA	25	15							EWS	FEMALE	
68		3222026281339	ASHOK DAS	KRISHNA CHANDRA DAS	128/2/A	15							EWS	MALE	
69		776090757121	KALI SANKAR JANA	MEGHNATH JANA	18/B	15							EWS	MALE	
70		969721718305	PRADIP DAS	BIPIN BIHARI DAS	130/3/A	15							EWS	MALE	
71	7278570822	96844676492	ARATI DUTTA	LALIT MOHAN DEY	13	16							EWS	FEMALE	
72	9143176125	249998966825	NIRMALA POLLEY	JATINDRA NATH KOLEY	13	16							EWS	FEMALE	
73	9874157528	731718546197	NAMITA HOWLADER	BHOLANATH KARMAKAR	41/112/B	16							EWS	FEMALE	
74	9804246339	374541367419	MANIMALA MUKHERJEE	ASUTOSH BANDYAPADHYA	5	16							EWS	FEMALE	
75	8420377713		KRISHNANDU DAS		11/3	16							EWS	MALE	
76	8240522492		MINATI DEBNATH		200/1/A, C.S. MUKHARJEE STREET	16							EWS	FEMALE	
77		390839723208	SAMAR DAS	KRISHNA CH DAS	2/E	16							EWS	MALE	
78	6291008501	657597814692	RAJESH SHAW	BHOLA SHAW	185/477/A/1	17							EWS	MALE	
79	9836458108	780643864386	LILA DAS	RAJKENDRA DAS	185/596	17							EWS	FEMALE	

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80	7980199528	632981975346	JIBAN MAJUMDAR	ANANTA MAJUMDAR	181/A	17						EWS	MALE
81		271956604667	MIRA SHARMA	MURARI MOHAN SHARMA	189/14	17						EWS	FEMALE
82		735510492715	BIMAL DAS	PARESH CHANDRA DAS	185/468/C	17						EWS	MALE
83		458337389076	SHYAMAL GHOSH	AMUIYA GHOSH	185/757	17						EWS	MALE
84		309325017381	ALPANABHUIYN A	JAGANNATH PATRA	189/B/16/A	17						EWS	FEMALE
85		927372316211	KAKULI MONDAL	TARAPADA SARKAR	39/U	17						EWS	FEMALE
86		778879552072	NIRMAL DAS	ABHINASH DAS	189/B/14	17						EWS	MALE
87		907734516991	KRISHNA KUMAR PAL	PIYARI KUMAR PAL	158/707	17						EWS	MALE
88		454714330380	BISHAKHA ADHIKARY	MAHA BHARAT SANYASI	189/A/3	17						EWS	FEMALE
89		432643273794	TARUN SAHA	NARAYAN SAHA	N-185/618	17						EWS	MALE
90		329827941517	AMARENDRA CHANDRA DAS	PARESH CHANDRA DAS	185/468/B	17						EWS	MALE
91		784700576265	SUJATA ROY	ASHOK HARI	189/A/3/A	17						EWS	FEMALE
92		350545474448	SUJAN HARI	ASHOK HARI	189/A/5	17						EWS	MALE
93		786404894637	DIPALI HARI	SATISH SAMADDAR	189/A/5	17						EWS	FEMALE

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94		309325017381	ALPANA BHUIYA	JAGANNATH PATRA	189/B/16	17							EWS	FEMALE	
95		619528053589	SHANKAR MOY NANDI	DHIRENDRA NATH NANDI	185/476	17							EWS	FEMALE	
96		454714330380	BISHAKHA ADHIKARY	MAHA BHARAT SANYASI	189/A/3	17							EWS	FEMALE	
97	8334024511	493915185100	JHARNA DAS	SANTI DAS	185/95	18							EWS	FEMALE	
98	6290498208	261255038740	NIRANJAN DAS	KRISHNA DAS	185/507	18							EWS	MALE	
99	9748929824	927365397914	KALPANA SINHA	KHITISH CHANDRA DAS	185/513/A	18							EWS	FEMALE	
100	9903156899	564585105944	SWARUP DHAR	SHAMBHUNATH DHAR	185/577/B	18							EWS	MALE	
101	9007989404	772579562631	NAGEN DAS	HIRALAL DAS	185/189 ,	18							EWS	MALE	
102		863196295173	BISWANATH MALAKAR	DAYALHARI MALAKAR	185/187	18							EWS	MALE	
103	9163786530	243644983795	SHUYA KANSABANIK	DINO BANDHU BISWAS	167/33/1	18							EWS	FEMALE	
104	9903606779	800730384488	JHUMA BANERJEE	SAMAR SINGHA ROY	185/108,R,G ROAD	18							EWS	FEMALE	
105		460706494457	PRADIP DAS	HARI NATH DAS	185/422/B	18							EWS	MALE	
106		639437829693	AMIT DAS	KALACHAND DAS	167/24/B	18							EWS	MALE	
107		476379931758	SUSHAMA DEBNATH	GANESH CHANDRA DEBNATH	185/483	18							EWS	FEMALE	

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108	705028721630	RAMESH CHAKRABORTY	BARADA KANTA CHAKRABORTY	N-41/83	18						EWS	MALE
109	993664352330	GOUR SHANKAR LODH ROY	SURESH CHANDRA LODH ROY	N-185/482	18						EWS	MALE
110	469986536025	BIBHA MONDAL	MANORANJAN HALDER	185/31	18						EWS	FEMALE
111	818475225941	KARTICK DAS	NIRANJAN DAS	102/6	18						EWS	MALE
112	269531523997	RADHAMADHA B MALAKAR	UMESH CHANDRA MALAKAR	167/10/A	18						EWS	MALE
113	531352413105	ANIMA DAS	NISHI KANTA DAS	167/43	18						EWS	FEMALE
114	879568606406	TAPAS BASAK	MONORANJAN BASAK	N-1189	18						EWS	MALE
115	305488858294	SAMIR DAS	KALACHAND DAS	167/24/A	18						EWS	MALE
116	531503926552	TAPATI KARMAKAR	BUDDHADEB GUHA	167/34	18						EWS	FEMALE
117	272291276656	DIPTI LODH ROY	NARENDRA CHANDRA DUTTA	185/482	18						EWS	FEMALE
118	333010420205	SABITA BHATTACHERIE E	BIREN CHAKRABORTY	N/106/10	18						EWS	FEMALE
119	409464149190	BULA CHANDA	MUKUL DAS	185/577/1	18						EWS	FEMALE
120	476379931758	SUSHMA DEBNATH	GANESH CHANDRA DEBNATH	908	18						EWS	MALE
121	344128326513	REKHA CHAKRABORTY	PRAFULLA CH MALAKAR	1031	18						EWS	MALE

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122	808812079925	SAMIR KANSABANIK	KUNJAGOPAL KANSABANIK	465	18							EWS	MALE
123	910601164973	SANDIP BOSE	KALIPADA BOSE	119/T/1	18							EWS	MALE
124	371491722894	SUJAY DAS	SWAPAN DAS	185/189	18							EWS	MALE
125	971353501746	TUMPA DAS	SUJIT SARKAR	185/332	18							EWS	FEMALE
126	639364709630	BINOY BANERJEE	RABINDRA NATH BANERJEE	185/108A	18							EWS	MALE
127	739472325838	SAMIR MALAKAR	DAYAL HARI MALAKAR	192	18							EWS	MALE
128	701356803523	BINA PAL	MUKUNDA PAL	185/729/A	18							EWS	FEMALE
129	498481679321	CHANDANA BANERJEE	BIMAL CHATTERJEE	185/410	18							EWS	FEMALE
130	286993559054	MADHAB RAKSHIT	ANIL RAKSHIT	167/11	18							EWS	MALE
131	898181648820	RATAN DAS	SWAPAN DAS	185/189	18							EWS	MALE
132	218959854387	MADHAB GAIN	GOPAL CH GAIN	185/318	18							EWS	MALE
133	886654595899	BABUL GHOSH	KRISHTA CHANDRA GHOSH	105/A/2	18							EWS	MALE
134	381122883245	SOBHA BISWAS	JITENDRA HALDER	185/516	18							EWS	FEMALE
135	687975017666	LAKSHMI BALA	KALIDAS BALA	185/711	18							EWS	FEMALE

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136	958228104446	DILU DAS	PABAN DAS	185/189	18						EWS	MALE
137	881679829590	AJIT MAJUMDAR	MAHENDRA NATH MAJUMDAR	185/392/C	18						EWS	MALE
138	452958617788	MADHABI LODH ROY	SUDHANSHU LODH ROY	N-185/482	18						EWS	FEMALE
139	931278810710	JYOTSNA MONDAL	GANESH BAG	185/598	18						EWS	FEMALE
140	378993142771	ANJALI PRAVA DEY	HERANBA KR DEY	105/A/1/A	18						EWS	FEMALE
141	909025734636	BASANTI DEY	PRAFULLA CHANDRA DAS	102/A/53	18						EWS	FEMALE
142	312900242010	NABATARA MALLICK	BISWANATH DEY	185/617	18					MINORITY	EWS	FEMALE
143	639437829693	SUSHAMA DEY	BISWANATH DEY	185/195/A	18						EWS	MALE
144	476379931758	SUSHAMA DEBNATH	GANESH CHANDRA DEBNATH	185/483	18						EWS	FEMALE
145	469986536025	BIBHA MONDAL	MANORANJAN HALDER	185/31	18						EWS	FEMALE
146	531352413105	ANIMA DAS	NISHI KANTA DAS	167/43	18						EWS	FEMALE
147	531503926552	TAPATI KARMAKAR	BUDDHADEB GUHA	167/34	18						EWS	FEMALE
148	940549259882	NIVA ROY CHOUHDURY	SUDHIR PAUL	185/39/C	18						EWS	FEMALE
149	982466666887	RAMA DEBNATH	SUDHIR PAUL	185/39/B	18						EWS	FEMALE




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150	7980802898	877823170845	GITA KUNDU		41/88/1/A	19							EWS	FEMALE
151	9883552455	673541705514	PALASH SARKAR	RAMENDRA NATH SARKAR	41/160/A	19							EWS	MALE
152	9831742448	964555705246	SAMIR GHOSH	SISIR GHOSH	41/159/A	19							EWS	MALE
153	9903543433	208437347464	MALAY ROY		185/599/B	19							EWS	MALE
154	9903355657	707124870416	KRISHNA PAUL	KRISHNA KANTA HALDER	185/535/N/1	19							EWS	FEMALE
155	6289890223	628163385854	SANTANA SEN	GOUR CHANDRA SAHA	185/756/B	19							EWS	FEMALE
156	8240247061	574670376127	MANGALA PAL	KARNA MANNA	41/106	19							EWS	FEMALE
157	9681856110	902073590155	GOUTAM PODDAR	GOPAL PODDAR	41/230	19							EWS	MALE
158	9143646340	834232828851	AJIT KUMAR PAUL	UPENDRA NATH PAUL	41/104/A	19							EWS	MALE
159	7605825073	718753912290	SHIBU DAS	RABI DAS	185/691	19							EWS	MALE
160	9903097291	661936381359	SUBRATA NANDI	HIRAJAL NANDI	41/35	19							EWS	MALE
161	8777345564	445120827697	USHA CHAKRABORTY	DEBENDRA CHAKRABORTY	41/127	19							EWS	FEMALE
162	9874942686	686797744140	NANIGOPAL DEY	SUDHANSHU DEY	44/30/A/1	19							EWS	MALE
163	6291638120	892921015781	BIKASH DAS	RAM KRISHNA DAS	185/472/A	19							EWS	MALE




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164	8274827443	343061434090	SARASWATI DAS	SUBAL CHANDRA ROY	185/599/A	19						EWS	FEMALE
165	9038843644	788549103402	MANTU PAUL		185/725/A	19						EWS	MALE
166	7044264589	256314539033	SURAJIT DEB	SHAMBHU DEB	41/10 D.J BYE LANE	19						EWS	MALE
167	9038606802		SISIR CHATERJEE		185/549, H.C BANERJEE LANE	19						EWS	MALE
168	7044724074		SUSHANTA SANNAMAT		185/20/A, R.G ROAD,	19						EWS	MALE
169	8981072842		SUBHAS CHANDRA PAUL	SACHINDRA PAUL	185/343, R.G. ROAD	19						EWS	MALE
170	8617771748	966212425850	BHOLANATH PAUL		185/159/B	20						EWS	MALE
171	9007784856	608305396434	SATYA NARAYAN PAUL	SANKAR PAUL	185/159/A	20						EWS	MALE
172	6289556943	719536663139	RATAN SINGHAROY	RABINDRA CHANDRA SINGHAROY	118/B/6/A	20						EWS	MALE
173	9038741005	420570686387	KAMAL DAS		21/1/E	20						EWS	MALE
174	7980829866	818461798082	MALINA DAS	PRİYALAL DAS	21/1/E	20						EWS	FEMALE
175	7278843565	593765709157	RAMA TALUKDAR	MATILAL CHAKRABORTY	185/367	20						EWS	FEMALE
176	9874270115	348264401309	NIRMAL SARKAR	MADHAB SARKAR	185/433	20						EWS	MALE
177	8420333496	525238326962	NARAYAN BASAK	SUSHIL CHANDRA BASAK	185/212/1	20						EWS	MALE



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178	9433726243	689772854744	SANDHYA SAHA	KALACHAND SAHA	185/93	20							EWS	FEMALE	
179	9836034785	374256672352	DEBASHIS PAUL	RADHESHYAM PAUL	185/97	20							EWS	MALE	
180	9748057382	378150359204	SABITA DAS	KARTICKCHANDRA DUTTA	185/439/A	20							EWS	FEMALE	
181	9330769254	267215422002	BIDYUT DEY	BIJAY DEY	20/18/B/1	20							EWS	MALE	
182	9831744841	669665228430	SUBHAJIT SAHA	SHANTA SAHA	185/702	20							EWS	MALE	
183	8777753601		NIKHIL CHANDRA SAHA		21/3/E	20							EWS	MALE	
184	9748057382		SABITA DAS		185/439/A	20							EWS	FEMALE	
185	6290650840		NARAYANI TAMULI		20/20/A, D.J BYE LANE	20							EWS	FEMALE	
186	6289258548		PUSPA DEBNATH		185/1	20							EWS	FEMALE	
187	9163512949		SHIBANI HORI		28/C, D.J. ROAD	20							EWS	FEMALE	
188	9432091032		GITA SAHA		21/3/G/A/1	20							EWS	FEMALE	
189		894071072261	JHUMKI MONDAL	SUDHANSHU ROY	185/233/B	20							EWS	FEMALE	
190		822717427331	BANYA PAL	PARITOSH MAITY	21/B/9/A/2	20							EWS	FEMALE	
191		809962691304	SUNIL DAS	MANIK CHAND DAS	185/186	20							EWS	MALE	

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192		804325966108	MAHA RANI DAS	SUKLA DAS	21/1/K	20					EWS	FEMALE
193		842046591203	RATAN MONDAL	SUDHIR MONDAL	1104	20					EWS	MALE
194		819099147099	SUJIT SARKAR	BIRENDRA NATH SARKAR	1193	20					EWS	MALE
195		439470867665	TARAK PAUL	MOTILAL PAUL	21/1/A/1	20					EWS	MALE
196		717410021614	PRAVA DEY	ANUKUL CH DEY	19/A/3/A	20					EWS	MALE
197		616411231792	SANJIT DAS	SUDHANSHU DAS	1194	20					EWS	MALE
198		479536763285	BISHNUPRIYA BASAK	NAGEN DEBNATH	1175	20					EWS	MALE
199		594333704073	BISWANATH DAS	SUDHANSHU DAS	185/163	20					EWS	MALE
200		290904483201	SANJAY SEN	SUKH RANJAN SEN	185/449/A	20					EWS	MALE

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