Indicators / Information to be included / reflected in GIS - Report.

Demographic Profile of BPL families covered under IPP-VIII extension: I)

	Population	
1 / 1/0000	5 14 200000 1	١

< 1	year		1 -	4 yea	irs	5-1	4 yea	rs	15-4	14 ye	ars	45	ear &	七 少
M	F	T	M	F	T	M	F	T	M	F	T	M	F	T

	Grand Total:
II)	No. of Eligible couples:
III)	No. of Pregnant Women:
IV)	No. of Pregnant Women having at least 3 Antenatal checkups:
V)	No. of Pregnant Women given full dose of TT : TT(2) : Booster:
VI)	No. of Pregnant Women having full course of Tab. Folifer:
VII)	Referral during Antenatal period with cause:
VIII)	Mode of delivery: Institutional: Home:
IX)	Referral during intranatal period with cause:
X)	No. of postnatal checkups:
XI)	Contraception profile: Permanent: Vasectomy - Tubectomy - NIRODH-
XII)	Immunisation status of under 1 children: BCG - DPT-III - OPV-III -
XIII)	No. of deaths: Sex: Cause: MEASLES – Age:
XIV)	Vital / Health indicators: CBR - CDR -

IMR -MMR -ECPR-

Immunisation coverage -

Indicators / Information to be included / reflected in GIS – Report.

I) Demographic Profile of BPL families covered under IPP-VIII extension:

Population

< 1	year		1 -	4 yea	ITS	5-1	4 yea	rs	15-	44 ye	ars	45	year &	化十
M	F	T	M	F	T	M	F	T	M	F	T	M	F	T

	Grand Total:
1)	No. of Eligible couples:
II)	No. of Pregnant Women:
V)	No. of Pregnant Women having at least 3 Antenatal checkups:
v)	No. of Pregnant Women given full dose of TT : TT(2) :
	Booster:
VI)	No. of Pregnant Women having full course of Tab. Folifer:
VII)	Referral during Antenatal period with cause:
VIII)	Mode of delivery: Institutional: Home:
IX)	Referral during intranatal period with cause:
X)	No. of postnatal checkups:
XI)	Contraception profile: Permanent: Vasectomy - Tubectomy - NIRODH-
XII)	Immunisation status of under 1 children:
	BCG - DPT-III - OPV-III -
XIII)	No. of deaths:
	Sex: Age:
XIV)	Vital / Health indicators: CBR - CDR - IMR -

MMR -ECPR -

Immunisation coverage -

Indicators / Information to be included / reflected in GIS – Report.

I) Demographic Profile of BPL families covered under IPP-VIII extension:

Popula	tio	n
--------	-----	---

< 1	year		1	4 yea	irs	5-14	4 yea	rs	15-	44 ye	ars	45	year &	+ 3
M	F	T	M	F	T	M	F	T	M	F	T	M	F	T

	Grand Total:	
II)	No. of Eligible couples:	
III)	No. of Pregnant Women:	
IV)	No. of Pregnant Women having at least 3 Antenatal checkups:	
V)	No. of Pregnant Women given full dose of TT: TT(2): Booster:	
VI)	No. of Pregnant Women having full course of Tab. Folifer:	
VII)	Referral during Antenatal period with cause:	
VIII)	Mode of delivery: Institutional: Home:	
IX)	Referral during intranatal period with cause:	
X)	No. of postnatal checkups:	
XI)	Contraception profile: Permanent: Vasectomy - Tubectomy Temporary: IUD - OCP - NIRODH-	40
XII)	Immunisation status of under 1 children: BCG - DPT-III - OPV-III -	
XIII)	No. of deaths: Sex: Cause: MEASLES – Age:	
XIV)	Vital / Health indicators: CBR - CDR - IMR -	

MMR -ECPR -

Immunisation coverage -

Во	oking Receipt	Date 6/2/2 n
Nightingale Ex & Fin.P.Ltd	Consignee/Des	tination
Service Tex Regd. No. Courier/Cal-1/79 dt. 12/12/96	32 8.14	. N. Sorrenia
1, British Indian Street Room No. 030 (Ground Floor)	LUBSIC /	HEDIFU SERIOUS
CALCUTTA-700069 210-5266/5319	Vin	OFAD · MUNOZ
c. N. No. 8503	02.8.N	· v. 20mano.
Consignor:	I SH	डा. १.८ है। ११ है। १९ है। १९
(F/50571 00P)	(Rs733	50) S 15 3 3 73 73 73 73 73 73 73 73 73 73 73 73
TERMS: Max. Liability Rs. Fi claim. Booking article should to responsible for damage of the cons Water & natural calamities in pro-	be as per law of dignment due to Fire oper packing etc.	carraige Company is not
SALT LAVE RE		Confin
Col-90	For M	Nightingale Express

for car Hiring charges in respect of Car Ho. Home & Address of the Car Owner ; Sri 4 SCHOWE DOS 78, Arabinda Pally, Calcutta-34. (A) Extract of the Log Look for the Month of Dates Repor-Relea-Total. lics . Excession On ting Meter. sing dura-Hours which Reatime time tion for the of ding of of the car the the car for charat plied the car the day ges Car Reporting time Hr H Hr.M Hr.H Hr.M. Km. 11

Government of West Bengal Municipal Affairs Department Writers' Buildings, Calcutta.

No.468-S/2000

Sir.

Dated Calcutta, the 5st September, 2000.

From: Shri P.K. Pradhan,

Secretary to the Govt.of West Bengal.

To: Dr. G.N.V. Ramana,
Public Health Specialist,
World Bank,
70, Lodi Estate,
New Delhi-110003.

Sub: Proposal on GIS software development in RCH Sub-Project, Asansol

This refers to the earlier discussion held on the subject.

With the 74th Amendment of the Constitution the urban local bodies are now entrusted with planning for development of municipalities in regard to health, education and infrastructure facilities. To facilitate the preparation of annual development plan as well as perspective plan by the municipalities it is proposed to equip the urban local bodies with an updated and dependable data base using GIS (Geographical Information System) techniques. It is therefore, proposed to cover Asansol town taken up under RCH Sub-Project for creation of data base pertaining interalia to women and child health, children and adult education, environment and poverty alleviation steps to below the poverty line families. The proposed cost for undertaking GIS in Asansol RCH Sub-Project of Rs.7.26 lakhs. A copy of the project report is enclosed.

It may be mentioned that for the main IPP VIII Project the World Bank has already agreed to take up creation of similar data base using GIS technique in 10 local bodies.

It is requested that World Bank may kindly agree to the proposal for taking up this programme under the RCH Sub-Project. In anticipation of the approval we are taking preliminary steps to avoid loss of time.

Yours faithfully,

Secretary to the Govt. of West Bengal.

Enclo: As above.

PROPOSAL FOR IMPROVED PROGRAMME MANAGEMENT

FOR RCH AT ASANSOL,
WEST EBGNAL

PROPOSAL FOR IMPROVED PROGRAMME MANAGEMENT

Title of the Project

G.I.S. SOFTWARE TO MAP UNDERSERVED AREA TO DEVELOP SPECIAL SOCIAL MOBILISATION STRATEGY

Prepared by



PROPOSAL FOR IMPROVED PROGRAMME MANAGEMENT

INTRODUCTION

With the introduction of the 74th Amendment of the Constitution, the urban local bodies have been entrusted with planning for development of the municipalities encompassing health, education, finance, infrastructure, entertainment etc. In order to carry out such planning a dependable data base with the inbuilt system of updating is essential. It is felt during implementation of the current programmes like R.C.H, IPP-VIII, SJSRY, NSDP, BMS, etc. which are aimed at improving the health and income of the poor people with special emphasis on women and children, that in absence of a dependable and updated data base, the programmes cannot be run with optimum result.

Government of West Bengal have decided that the urban local bodies should be equipped with an updated and dependable data base, and the appropriate tool to achieve it will be with GIS (Geographical Information System) technology. At the outset it has been decided that ASANSOL under R.C.H. Project and 10 municipalities of IPP-VIII extension will be selected for the first phase of the programme. This will include creation of data base which will support information required for improvement of:-

- a) woman and child health,
- b) children and adult education,
- c) poverty alleviation steps for the below poverty level families,

- d) municipal earning,
- e) infrastructure development,
- f) land use planning
- g) environment
- h) prevention of illegal developments etc.

Since last few years a new information system called Geographical Information System has been adopted in different sectors of management, starting from Multi National Corporate house to small private sector of entrepreneurs. This technology allows any planner to visualise entire information system in a special format and gives a scope to synthesise all the data base information that he has with him. In the initial stage Government sectors restricted its application only in macro level regional planning but gradually it has also realised the need and advantage of planning with such system and started utilising this technique in micro level. Urban Development Department of Govt. of West Bengal through CMDA has also started its application in limited fields in past one year and stage by stage acquired the necessary expertise while dealing with different projects. Presently the similar need is being felt by Urban Local Rodies and they expressed their desire to adopt such technology in their planning system and the respective Chairmen approached Department of Municipal Affairs for necessary advise. An in depth analysis to assess the present status of the local bodies in terms of their financial, technological and human resource availability has been made by a task force set up by the Hon'ble Minister of UD & MA, through different session of interaction with the Local bodies and the vendors of GIS technology.

3. OBJECTIVE

With the amendment of 73rd and 74th of the Indian Constitution which clearly identifies the Local Bodies are the planning and executing authority and with the decentralisation of power, it has become essential to equip the local bodies with new trend and technologies. Adoption of GIS technique will not only ease out the process of planning in the daily work of the under served and under developed local Urban Bodies but will also bring an increase in their revenue collection. In the process they will begin to achieve self sufficiency in planning and recover successfully their due property taxes. In an overall perspective this will enhance the decision taking capacity of the local authority in the field of health, education, environment, finance and development.

4. SCOPE

G.I.S. in ASANSOL Municipal Corporation.

5. EXECUTION METHODOLOGY:

The entire operation will be executed with a central monitoring system in the initial stage with available in house expertise.

5.1 Data Base Preparation: The Corporation will be asked to furnish the present status of the information in a ten page formatted and structured data sheet. (copy enclosed). This will contain information on Health, Demography, Water supply, Solid Waste Disposal, Sewerage and Drainage, Educational, Spatial, Computer Hardware and Software and any other special information. This will be entered in any available software by some hired agency at the Municipalities with their assistance and involvement.

- 5.2 Base Maps: All the infrastructure base maps will be supplied by the Corporation with uniform scale and size prefixed by SUDA, the executing agency. An updated holding map has to be prepared by Corporation which will form the base of revenue collection.
- 5.3 Digitisation of Base Maps: Degitisation of the base maps will be done by an hired agency with the supervision of SUDA and direct involvement of Corporation's representative. The entire digitisation process will be first part of the training of the Corporation's representative.
- 5.4 Procurement of Hardware and GIS Software: Necessary Hardware and GIS Software will be procured and/or upgraded as per the requirement for operation of GIS to the Corporation. These procurement will also be done under a central supervision for keeping uniformity and compatibility in operation.
- 5.5 Attachment of Data: Attachment of data as obtained from the Corporation will be done in the digitised Base Map of the Corporation by the hired agency/ person at the Corporation with the supervision of SUDA and direct involvement of the representative of the Corporation. These will form the second part of the training.

- 5.6 Building Queries and Production of Thematic Maps: This being the final part of the operation, will have to be executed directly by SUDA with the representative of the Corporation. This will be carried out for a period till the Corporation is confident of handling the entire procedure themselves. Though the AO or Al sizes of maps will be plotted from central facilities at SUDA, A4 size could be made available at the local level itself.
- 5.7 Interaction with Internetting: Internet facilities have been accepted as one of the preliminary technique to establish interaction between different groups working in the same project. The cost involved in this type of communication system is also minimum. Therefore while the project is in progress all the local bodies, functioning as sub-nodal points will be connected with SUDA, the nodal agency through internet.
- 5.8 Dissemination of Know-how through Awareness Camp & workshops: One of the major component of the entire project is phase by phase transfer of know-how and technology to the local bodies. This will be executed through certain specific type of awareness camp on GIS Technique and its utilities on Municipal management in the local body, as the work progresses involving the local representatives and local people.

1. Time Frame: (in number of days):

7.1 Initialisation	15
7.2 Data base preparation	60
7.3 Base Map preparation	30
7.4 Base Map digitisation	60
7.5 Holding Map preparation	90 (Simultaneously with 7.2,7.3 & 7.4)
7.6 Procurement of Hardware	
& Software	90 day (simaltaneously with 7.5)
7.7 Training of personnel	120 (Simaltaneously with 7.5 and 7.6)
7.8 Building Query & preparation	
of Thematic Map	30 days
7.9 Awareness Camp	Total 150 days

2. Financial Break-up is shown in separate page enclosed.

6. RESOURCE PERSON:

State Urban Development Agency (SUDA) has been given a task force having representative for CMDA who are already executing different projects on GIS for in house application as well as for outside government agencies involving Deptt. of Environment, Directorate of Cottage and Small Scale Industries and Pollution Control Board. They have the confidence and total expertise of executing the entire operation. Efficient persons or agencies will be hired locally for specific jobs for specific period. As the process of Decentralisation has already been initiated by SUDA, the successful execution and completion of this project will an ideal step for planning sustainable development for local bodies estimated carrying capacity of the area.

ESTIMATED COST OF G.I.S. IN Asansol MC

No.of Wards: 50 No. of Holdings: 45300 Type of Expenditure TYPE OF WORK SI. Non-Recurring Recurring No. Database Preparation @ Rs.3/-135900 1 per holding Digitisation of available infrastructure 25000 2 maps, sewage & drainage, water supply road, holdings etc. @ Rs. 25000 per Municipality 20000 Printouts of digitised maps ward-wise 3 @ 5 copies per ward @ Rs. 80/- per copy i.e. @ Rs. 400/- per ward 100000 One Computer P.C. with Printer 4 63000 GIS Software & Training @ Rs. 63,000/-5 30000 Total Incremental Operating Cost 6 Hiring of G.I.S. Operator @ Rs. 15000/-60000 per month for four months 271800 Preparation of holding maps @ Rs. 6/-8 - per holdings 20000 Public Awarenessn Programme work-9 shop, seminar etc. @ 20,000/per Municipality or Corporation 454800 270900 TOTAL Grand Total = 725700

Sub: Proposal for Improved Programme Management

In the light of discussion with World Bank(Dr.G.N.V.Ramana) Public Health specialist), a proposal on GIS software development in RCH Sub-Project Asansol may be forwarded to the Bank for its perusal and recording approval. The proposal prepared by SUD is placed below which incorporates all details including objective, scope, execution methodology, and estimated cost.

Incidentally, it is stated that similar Project have had approval of the World Bank under IPP Will CMDA.

A draft communication for referring the matter to the Bank is placed below for kind perusal and its issuance.

Submitted.

Servey A Logar Charmon Logar

Letter places below h

Jan 3/8/ 2000

I'sme

Dr. N.S. Garf pully

Letter irse krigh Comber an 6/9 Seany hashen individue for 1/9 Government of West Bengal Municipal Affairs Department Writers' Buildings, Calcutta.

No.468-S/2000

Dated Calcutta, the 5st September, 2000.

From: Shri P.K. Pradhan,

Secretary to the Govt.of West Bengal.

To: Dr. G.N.V. Ramana,
Public Health Specialist,
World Bank,
70, Lodi Estate,
New Delhi-110003.

Sub: Proposal on GIS software development in RCH Sub-Project, Asansol

Sir,

This refers to the earlier discussion held on the subject.

With the 74th Amendment of the Constitution the urban local bodies are now entrusted with planning for development of municipalities in regard to health, education and infrastructure facilities. To facilitate the preparation of annual development plan as well as perspective plan by the municipalities it is proposed to equip the urban local bodies with an updated and dependable data base using GIS (Geographical Information System) techniques. It is therefore, proposed to cover Asansol town taken up under RCH Sub-Project for creation of data base pertaining interalia to women and child health, children and adult education, environment and poverty alleviation steps to below the poverty line families. The proposed cost for undertaking GIS in Asansol RCH Sub-Project of Rs.7.26 lakhs. A copy of the project report is enclosed.

It may be mentioned that for the main IPP VIII Project the World Bank has already agreed to take up creation of similar data base using GIS technique in 10 local bodies.

It is requested that World Bank may kindly agree to the proposal for taking up this programme under the RCH Sub-Project. In anticipation of the approval we are taking preliminary steps to avoid loss of time.

Yours faithfully,

Secretary to the Govt. of West Bengal.

Enclo: As above.

ne



STATE URBAN DEVELOPMENT AGENCY

"ILGUS BHAVAN"
H-C BLOCK, SECTOR-III, BIDHANNAGAR, CALCUTTA-700 091
West Bengal

Ref No	Date

DRAFE

From: The secretary,

Dept.of Municipal Affairs, Govt.of W.B

& Project Co-ordinator, RCH Sub-Project Asansol.

To: Dr.G.N.V.Ramana

Public Health Specialist

World bank 70,Lodi Estate New Delhi-110 003

Sub: Proposal on GIS software development in RCH Sub-Project Asansol

Sir,

Reference our recent discussion on the above subject, I take the previlege of forwarding a copy of the concerned

proposal* for your kind perusal.

Incidentally, it is stated that with the introduction of 74th Amendment of the constitution, the Urban Local Bodies are entrusted with planning for development of the Municipalities in rergard to Health, Education and the like. Govt.of West Bengal have decided that such Bodies be equipped with an up-dated and dependable data base through GIS technology. Areas under RCH Sub-Project Asansol will be covered for creation of data base pertaining inter-alia to women and child health, children & adult education, environment, and poverty alleviation steps for the below poverty level families.

It is further stated in this connection that similar proposal havehad approval of the World Bank under IPP-VIII, CMDA for 10 Local Bodies with cost estimate of Rs.39.25 Lakhs.

The proposed cost estimate for GIS in RCH Sub-Project Asansol is Rs.7.26 Lakhs. This has been due to wider geographical distribution and larger number of holdings etc.

I would therefore request you to kindly concur the proposal and grant your approval at an early date.

Yours faithfully,

* Enclo: as stated

Secretary, MA Dept Govt.of West Bengal & Project Co-ordinator,



IPP - VIII. CATA

FARE (US) PROJECT

Unnayan Bhavan, Bidhan Nagar 'G' Block, 3rd Floor, Calcutta - 700 091 Phone: 334-5257 / 358-6771 / 337-0697 Fax: 358-3931

No. 1094 / CMDA/FW(US)/IPP-VIII/P-83/99

Dated: LexJuly,2000

ORDER

In modification of this office order No. 880/CMDA/FW(US)/IPP-VIII/P-83/99 dated 12th June, 2000 revised administrative approval and financial sanction is hereby accorded for mapping under-served areas using G.I.S. in 10(ten) Local bodies viz., (i) Barrackpore (ii) New Barrackpore (iii) Naihati (iv) Bhadreswar (v) Bansberia (vi) Kalyani (vii) North Dum Dum (viii) Rajpur-Sonarpur (ix)Gayeshpur and (x) North Barrackpore municipalities at a total cost of Rs. 39.25 lakhs with modified cost break-up as in the enclosed statement.

The entire work will be executed with a central monitoring system with the Sr. Geophysicist, Environment Cell, CMDA as the co-ordinator, in close co-operation with the Chief of Health, IPP-VIII. CMDA and the concerned municipalities.

The project will be completed within a specified time limit not later than 31.12.2000. The procurement for the project shall be made by following the World Bank procurement guidelines.

The Chief of Health, IPP-VIII, CMDA shall function as drawing and disbursing authority in respect of all payments required to be made from time to time in connection with the expenditure incurred for GIS project activities on receipt of satisfactory performance certificate from Sri. T.K. Ghatak, Sr. Geophysicist, Environment Cell, CMDA.

The cost involved will be met from the provision under the head " Innovative Schemes" in the budget of FW(US) Project - IPP-VIII, Calcutta for the current financial year 2000 - 2001.

> Project Director IPP-VIII, Calcutta & Secretary, CMDA

No. 1094 /1(15) CMDA/FW(US)/IPP-VIII/P-83/99

Dated: 2014 July,2000

Copy forwarded to :-

- 1. The Chief Executive Officer, CMDA
- 2. The D.G.O.F., CMDA
- 3. The Chief of Health, IPP-VIII, CMDA
- 4. Shri. T.K. Ghatak, Sr. Geophysicist, Environment Cell, CMDA. The statement with modified cost break-up referred to in the order is enclosed.
- Municipality The Chairperson,

16. The Director (P&M.), CMDA.

Project Director IPP-VIII, Calcutta & Secretary, CMDA

a statement showing breakup of cost of Rs.39.25 laklis

SI.	Type of work	Recui	rring	Nonrecu	recurring			
		Per Municipality in Rs.	Total Rs.	Per Municipality in Rs.	Total Rs.			
01	Database preparation	20000x10	200000.00	-	-			
02	Digitisation of available infrastructure maps, sewege & drainage water supply, Road Holdings etc.	A0 size map @ Rs 2500/ for 10 maps =Rs.25,000/	250000.00	-	-			
03	Hardware with specific components including colour printer, scanner, A0Plotter, LASER printer, Laptop LED projector & Modem			i) 60000x10 = 600000.00 (P.C) ii) 6,70,000.00 (Other components, central facilities)	12,70,000.00			
04	GIS Software & Training			63000x10	6,30,000.00			
05	Incremental operating cost		250000.00					
06	Consultancy charges	30000x10	300000.00					
07	Preperation of holding maps			100000x10	10,00000.00			
08	Public Awareness Programme.work shop,seminar etc.				25,000.00			
	TOTAL		10,00,000.00		29,25,000.00			

GRAND TOTAL: Rs. 39,25,000.00 i.e. 39.25 Lakhs

COVERNMENT OF WEST BENGAL DEPARTMENT OF MUNICIPAL AFFAIRS WRITERS' BUILDINGS: CALCUTTA.

IGAL AFFAIRS CUITA.

No. 547/MA/C-10/35-13/2000.

Dated, Calcutta, the 11th July, 2000

ORDER

It has since been decided by the State Govt. that Geographical Information System and computer based information system will be introduced in district headquarters towns and also in municipal towns having more than one lakh population. While Calcutta Metropolitan Development Authority is developing Geographical Information System in the municipalities within Calcutta Metropolitan Area, State Urban Development Agency will undertake the work in respect of municipalities outside the Calcutta Metropolitan Area.

2. For developing Geographical Information System and data base
Management Information System in the district headquarters towns and
municipalities having population of more than one lakh, it has been
decided to constitute a Task Force compressing of the following members.

Director & Chief Executive, State Urban Development Agency.

Bloom Pr. 12. Director of Local Bodies, West Bengal.

3. Shri Tapash Ghatak, Geophysicist (Enveronment Cell), CMDA.

3. The Task Force shall finalise the modalities for development of Geographical Information System in district headquarters towns and municipal towns having pupulation of more than one lakh outside.

Calcutta Metropolitan Area, monitor the progress of work and keep the State Govt. informed from time to time.

Sd/- P.K. Prodhan
Secretary to the Govt. of West Bengal.

Contd...p/2.

em e

*: : . . . see . . . MA/C-10/3S-13/2000. Dated: 11th July, 2000. py forwarded for information and taking necessary action to The Director and Chief Executive, State Urban Development Agency, ILGUS BHAWAN, HC Block, Sector III, Salt Lake City, Calcutta-91. The Director of Local Bodies, West Bengal, 2. Purta Bhawan, Salt Lake City, Calcutta-91. Shri Tapash Ghatak, Grophysicist (Environment Cell), 3. Calcutta Metropolitan Development Authority, 3A. Aucland Place, Calcutta 17: Joint Secretary. No. 547/2(2)/MA/C-10/35-13/2000. Dated: 11th July, 2000. Copy forwarded to the Chief Executive Officer, Calcutta Metropplitan Development 1. Authority, 3A, Aucland Place, Calcutta-17. 2. P.S. to Minister-in-Charge of this Department. Joint Secretary. akm/11vii2000.