

MINUTES OF THE 33RD MEETING OF CENTRAL SANCTIONING AND MONITORING COMMITTEE (CSMC), JNNURM HELD ON 6TH AUGUST, 2007 AT 3.00 PM

List of participants is annexed.

Secretary (UD) welcomed the participants. Joint Secretary (UD) & Mission Director, JNNURM presented the projects before the CSMC for consideration.

Key observations made during the meeting were as under:

Chennai:

The CSMC was informed that 11 projects for Chennai have been sanctioned including 4 water supply projects. First installment in respect 10 projects had already been released. However, Chennai Municipal Corporation had awarded work in respect of 2 projects only. Chief Engineer, Chennai Metropolitan Water Supply & Sewerage Board, the project implementing agency, informed that apart from the 2 projects for which the work has already been awarded, work for one project shall be awarded within the week and work for another project will be awarded in September, 2007.

Secretary (UD) expressed his concern regarding status of implementation and said that this was not a very happy state of affairs. Non execution of projects meant that funds released remained unutilized and amounted to parking of funds which was not a desirable situation. He also expressed great concern that no officer from the State Govt. was present which implied that State level issues could not be reviewed. It was further observed that QPR sent by Tamil Nadu Govt. indicated completion time of 10 projects as December, 2008. Chairman, CSMC, wanted to know how these projects will be completed within the committed time-lines when the work had even started.

It was further observed that the Additional Central Assistance released by the Central Govt. has not been deposited into the project account. As per the instructions issued by the Ministry of Finance, Deptt. of Expenditure, the ACA released by the Central Govt. is required to be sent by the State Govt. along with their own share to the SLNA within 15 days and thereafter released to the ULBs. Secretary (UD) directed that Mission Directorate should track delays on the part of the State in transferring the ACA share to the project account so that Ministry of Finance could be suitably intimated for taking necessary action in the matter.

The Chairman, CSMC desired that the ULBs should be asked to indicate a specific date of completion of the project and adhere to their commitment. It was noticed that the date of completion of projects was being changed during various presentations and review meetings which was not desirable. The Chairman asked the Metrowater authorities to present about the date of completion of all the four projects in writing. He expressed concern that no project planning was visible and directed that original commitment should be adhered to. Metrowater authorities informed that Tambaram water supply project shall be completed in 12 months and that work orders had already been issued on 29.06.2007. It was further informed that Minjur water supply project shall be completed by May, 2008 and Porur water supply project shall be completed by 2009. For Tambaram water supply improvement scheme, the tender was under evaluation and expected work orders were likely to be awarded by 15.08.2007. On completion, 24X7 water supply should be available.

The CSMC considered following projects for approval:

PROJECT: 1.CHENNAI:- CONSTRUCTION OF SUMP CUM PUMP HOUSE OVER THE 90 CUSEC CANAL NEAR POONDI RESERVOIR AND SUPPLY DELIVERY ERECTION AND COMMISSIONING OF PUMPING MACHINERIES AND ALLIED

WORKS FOR CONVEYING RAW WATER TO PUZAL TREATMENT PLANT AT CHENNAI

It was noted as under:

- The project proposed shall be to carry water by means of DI pipe covering a length of 2.105 kilometers which shall lead to prevention of losses of 32MLD.
- At present water is carried by means of an open canal because of that water loss due to evaporation at the downstream is about 35%. When it is carried by means of the proposed pipeline water loss shall be minimized to about 2%, and hence the proposal is brought before the committee for approval
- The added benefit from the project shall be about 40,530 new connections can be given because of the saving by evaporation loss of a huge quantity of 32 MLD
- Advisor CPHEEO said that even to transport the water from the dead storage level every month Rs.1 Crore was being spent on supply through tanker lorries
- The JS(UD) enquired about benefits accruing to the urban poor people out of the project and asked the Implementing agency to give a clear picture about coverage. It was explained that the project would improve the existing supply.
- Secretary(UD) asked how the problem of silt accumulation was being proposed to be solved. The implementing agency said they proposed to have intermediate sump pits for the silt collection and it shall be removed manually.
- The Implementing Agency also assured that there was no Land Acquisition involved as the land is already under the possession of the Public Works Department.
- The Secretary (UD) asked the implementing agency on how they proposed to assure and demonstrate of 32 MLD saving by means of the project. On the specific issue of impact of the project, the implementing

agency said that it shall ensure water availability during lean periods. The water supply shall increase from the present 572 MLD to 617 MLD on completion. It further said that the project shall be completed in 16 months of time from the date of sanctioning of the project.

The CSMC approved the project subject to the conditions laid down by appraisal agency as under:-

(Rs. in lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	Ist Install-ment (25% of Central Share)
1.	Chennai, Tamil Nadu	Construction of Sump Cum Pump House over the 90 Cusec Canal near Poondi reservoir and supply delivery erection and commissioning of Pumping Machineries and allied works for conveying raw Water to Puzal treatment plant at Chennai	911.00	318.85	79.71

PROJECT: 2. CHENNAI:- SOLID WASTE MANAGEMENT OF PALLAVAPURAM, ALANDUR AND TAMBARAM MUNICIPALITY, CHENNAI UA

It was noted as under:

- This solid waste management project catered to 3 Municipalities
- 100% collection in all the 3 city Municipalities was proposed.
- Implementing agency for the project is Pallavaram Municipality
- 50 acres of land for the project were already acquired at Vengatamangalam by the three municipalities and will be sufficient for the local bodies for the next 25 years

- A buffer of green zone of 500 - 1000 meters was proposed to be provided around the landfill and compost site as an aesthetic barrier.
- Route chart conveyance system for the collection and transfer of the solid waste was already planned in the Alandur Municipality.
- As the proposed Landfill and composting site was within the funnel zone and flight path of the Tambaram Air Force Station, requisite clearance was obtained from the Airport authority to go for in-vessel composting on the site as a conditional approval
- JS(UD) suggested to the city authorities to go for the application of waste minimization strategies so that least amount of waste reaches the landfill site.
- It was reported that NGOs /CBOs were already involved in the Alandur municipal areas in the primary collection.
- The Chairperson of Alandur municipality informed that part of the collection of Solid waste in the local body was already privatized. Source segregation is already initiated at the household level and was thus far working satisfactorily. In the proposed projects all the Households shall be supplied with 2 bin system to initiate the process of collection of organic and inorganic waste separately and it shall be ensured that privatization and collection through NGOs and CBOs does not affect the current sanitary workers being employed by the municipality in the SWM operations. Collection charges for the commercial and other establishments was Rs.30 per months, which was different from households. As the Landfill site proposed was located 15 kilometers from the municipalities, 3 modern transfer stations were proposed and also large haulage trucks were proposed to be brought for carrying the waste from the transfer stations
- Secretary(UD) observed that transfer stations proposed should ensure cleanliness taking care of odour and cleanliness. It was also submitted by the city that the transfer station proposed in the project shall be implemented taking all this into account all the factors like aesthetics

odour control and nuisance. It was stated that compostable waste collected from the primary collection at the Household level will not be reaching the transfer stations and it shall be taken directly to the Landfill and composting site. The capacity of the proposed compost plant shall be of 170 TPD. In-vessel composting technology shall be used which shall lead to odour free environment. The compost shall be sold at Rs.2,600/ ton. The compost produced by this process shall be equivalent to the same strength of urea produced by chemical process. The proposed cost of Rs.3.0 crore included supply of bin for household level segregation and collection. The CSMC pointed to the absence of any arrangements for the sale of compost. When the revenue stream from the sale of compost is not tied up it will affect project operation. The technology proposed for the composting process was not a tested one in the country and therefore it was important to tie up technology partner willing to be part of the project not only at execution stage but also operation stage. The CSMC asked the concerned Municipalities to propose the project again after all loose ends were tied.

- The CSMC also noted that repayment obligation for the project was Rs.54 lakhs / per annum. 15% of the project cost was proposed to be met by the private operator but so far it was not tied up.
- The CSMC also felt that possibility of enhancing the scale of operation needed to be explored. It was also stressed the need for bye laws to bind people to adhere to the source segregation and door-door primary collection of the household waste. The Municipalities informed that this was already accomplished
- The Committee indicated two stage approval for the project as under:
 - First Stage: Making arrangements for the private operator to run the landfill and composting facility including the marketing of the compost and formation of Special Purpose Vehicle (SPV) within two months (latest by 15th October,2007)

- Roping in other adjacent local bodies nearby the municipalities in the southern part of the Chennai and improving project design in respect of financial projections.
- (i) With all these observations, the CSMC deferred the project and requested the ULBs to come up with revised proposal by 15.10.2007.

3. Uttar Pradesh:-

The CSMC noted as under:

Implementation of 5 projects already sanctioned under the Mission is yet to begin.

Secretary to CM informed that there was some land problem at Meerut and Lucknow which was delaying the project. He assured the CSMC that the matter shall be sorted out soon.

It was noted that during the Review Meeting of Northern States taken by Secretary (UD) at Dehradun, UP Govt. had indicated completion time as under:

- Kanpur - May, 2008
- Agra - March 2008
- Lucknow - June 2008
- Meerut - June, 2008
- Mathura - December 2007

However, in the QPR for the period ending 30th June, 2007, completion date of these 5 projects had been revised to December, 2008. The CSMC advised the States that they should stick to the time-line indicated by them in the DPR and there should be no changes in the implementation period without any valid reason. Secretary (UD) also stated that inordinate delays would inevitably lead to funds being withdrawn from the project to avoid parking of funds. The CSMC was informed that:

- Metropolitan Planning Committee is under consideration
- DPCs have been constituted in six districts.
- Steps for creation of a pooled fund facility and an Infrastructure Development and finance company at the state level are being worked out by the state.
- Reforms related to Rent control law shall be undertaken and made applicable by the year 2010-11
- Commitment for Reduction of stamp duty to the level of 8-10% shall be accomplished by 2010-11
- Ward committees shall be constituted in 2008-09
- Steps are being initiated to introduce double entry accounting system
- The Secretary (UD) suggested that the user charges contemplated need not be uniform and could be based on the consumers' ability to pay. and wherever necessary the concessions may be extended to the urban poor
- Government directive for Internal Earmarking for the Urban poor in the local bodies budget had been issued and current earmarking was as under:
 - a. Agra - 25% of the funds allotted for Internal Earmarking for the poor
 - b. Meerut - 20% of the funds allotted for Internal Earmarking for the poor
 - c. Varanasi -35% of the funds allotted for Internal Earmarking for the poor
 - d. Allahabad - 18% of the funds allotted for Internal Earmarking for the poor

Projects from various cities from UP were discussed as under:-

PROJECT: 3.MEERUT:-WATER SUPPLY PROJECT FOR CITY OF MEERUT

- The CSMC was informed that on completion of the project, 24x7 water supply to all the areas including slums will be ensured @ 150 lpcd.
- The project shall improve water supply to the 11 wards not covered at present out of the total number of 80 wards in the city
- The project shall enhance the water supply from the current level of 167 MLD inclusive of high level of leakage to 260 MLD in the year 2010 when completed
- The current coverage of water supply in the city is about 55-60% of households
- CPHEEO added that the current system was very old the leakage of water was to the extent of 40%. After implementation of the proposed scheme losses should be brought down to acceptable level of 15%.
- Problem of fluoride contamination in some of the areas necessitated tapping surface water. Surface water source development will serve the 4 zones and ground water sources shall be used for the other zones
- For the construction of the Ground reservoirs, land had already been identified but the acquisition was pending
- Secretary (UD) said that money will be released only after the land acquisition is completed
- The Committee insisted that the project should develop, maintain and ensure safeguards for testing of water.
- The State Government informed that 100% metering of the households was planned. Secretary (UD) directed the city to get the approval from the city council and pass a resolution on the following three aspects
 - **Commitment to supply of water from the source by the Irrigation department**

- Agreement to be signed between the Irrigation department and the city corporation
- City's commitment for the project ensuring the metering and user charges
- ULB should give an undertaking about availability of land for the reservoirs.
- CSMC noted that recommended cost for approval was reduced to Rs273 Cr as against estimated cost of Rs 641 Crore. Secretary(UD) directed that the city should give a commitment in writing that the project shall be completed within the budget of Rs.273 Cr
- The financial projections for O&M was also noted:
 - Rs. 2.57 Cr Revenue - Rs.8 Crore O/M - 2006-07
 - Rs.22.6 Cr Revenue - Rs.20.02 Crore O/M-in the year 2010

The State Government was advised to come back to CSMC after completing suggested activities.

PROJECT: 4.AGRA:-BRANCH & LATERAL SEWER LINES IN NORTHERN & WESTERN ZONES OF AGRA CITY:

The CSMC noted as under:

- 20% of the city was connected to sewer system
- Under Yamuna Action Plan (YAP) trunk lines were created
- The capacity created has 2 Sewage Treatment Plants and 70 kilometer of trunk lines under the JBIC assistance through the MoEF
- The proposed project is for providing lateral connectivity to the trunk lines created
- The proposed project attempted synergies with the MoEF project.
- For ensuring 100% connectivity to the sewer lines by the households, byelaws had been framed to ensure connections. It was also noted that failure could invite action by Agra Municipal Corporation

- CSMC observed that Resolution from the local body regarding the 100% connectivity to sewer lines and ownership of the project shall be the pre-condition for the sanction of the project. Further, User charges to be levied for sustainability of the project needed to be ensured apart from entrusting of the project to UP JAL SANSTHAN by ULB. Project may be posed to CSMC after its appraisal by SLNA and approval of SLSC.

PROJECT: 5.ALLAHABAD- DETAILED PROJECT REPORT FOR WATER SUPPLY OF ALLAHABAD CITY

CSMC took note of following:

- The proposed project aimed at augmenting water supply by 33 tubewells and improving the supply capacity by 49.50 MLD. The proposal also planned for reducing the unaccounted for water (UFW) from the current level of 30% to 15% by 2010.
- The present capacity of the water supply connections was around 1.2 lakhs and metering of the connections shall start within three months of the project being sanctioned and 70,000 meters will be connected by the end of 2010
- The committee observed that the continued success of the project shall be ensured by the project implementing agency, UP JAL NIGAM and this shall be the condition for the approval of the project. Reform in the water sector shall be the basis for the success of this kind of projects. Therefore, safeguards, assurances and ownership of the project should come from the city and should include standard user charges and metering.
- No provision of leak detection system was noticed and amendments were asked to be done to that effect in the project

- The onus of reduction of the UFW from 30% to 15% in the project by the UP JAL SANSTHAN needed to be established through appropriate indicators
- Ensuring equitable distribution to all the zones of water supply from the current level of 2 hrs supply to 24X7 may be attempted by the city

The CSMC approved the project subject to the conditions contained in appraisal report and observations made by it as under:

(Rs. in lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	Ist Install-ment (25% of Central Share)
1.	Allahabad, Uttar Pradesh	Detailed Project Report for Water Supply of Allahabad City	8969.00	4484.50	1121.13

PROJECT: 6.VARANASI-DETAILED PROJECT REPORT FOR WATER SUPPLY COMPONENT (PRIORITY-I, PHASE-I) FOR VARANASI

The project proposed augmentation of water supply systems for improving the current level of supply from 130 lpcd to 150 lpcd

- Additional demand has been built on ground water supply with due consideration of the National Policy of not relying more on ground water extraction as a sole source
- The project shall be completed by March,2010
- The proposal included renovation of intake works and replacement of raw water pumps , installation of substations at Bhaidani intake works and Bhelupur WTP and laying of raw water transmission main, apart from rehabilitation and renovation of zonal rising main and construction of zonal Clear Water Reservoirs (CWR) and OHTs
- Loss of unaccounted for water should be brought down to 15% on project completion.

- The O/M cost shall rise from Rs.4,260 lakhs in 2010 to Rs.14,137 lakhs in 2030
- The income increase shall rise from Rs.4721 lakhs(2010) to Rs.15,436 lakhs(in 2030)
- Corresponding sewerage capacity to be augmented in the city was proposed as under:
 - Current installed capacity of sewerage-90 MLD
 - Capacity under construction -37 MLD of sewage
 - Capacity to be created under JBIC loan -200 MLD of sewage

The CSMC was informed that (i) on completion of the project, the supply will be 150 lpcd (ii) the project for sewerage was also being submitted in September, 2007 (iii) the CSMC observed that no second installment will be released if proposal for sewerage is not submitted by the due date (iv) the CSMC observed that the project should be completed by March, 2010.

With these observations and subject to the conditions as laid down by the appraisal agency report, the CSMC approved the proposal as under:- (Rs. in lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	Ist Install-ment (25% of Central Share)
1.	Varanasi, U.P	Detailed Project Report for water supply component (Priority-I, Phase-I) for Varanasi	11102.00	5551.00	1387.75

4.Arunachal Pradesh:-

There were 5 projects from Itanagar as under:-

- Improvement of Road Network at Itanagar (PH-I)
- Construction of Parking lots with Heritage Exhibition Centre at Itanagar
- Construction of Truck Terminal at Naharlagun
- Prevention and rehabilitation of Soil erosion and landslide

- (v) Construction of Inter State Bus Terminal (I.S.B.T.) building at Chimpu, Itanagar

The CSMC noted that 2 projects for Itanagar related to solid waste management and augmentation of water supply at a total approved cost of Rs. 89.19 crore have been approved and committed share of the Central Govt. for these projects amounted to Rs. 80.27 crore. The total indicative allocation for Arunachal Pradesh made by the Planning Commission for the whole Mission period for UIG was Rs. 7.40 crore. Thus, the Central Govt. had already committed more than ten times than the indicative allocation for the whole Mission period. Keeping this in view, it was possible to sanction more projects for Arunachal Pradesh only after further indications by Planning Commission.

Meeting ended with thanks to the Chair.

Minutes of the 35th meeting of Central Sanctioning and Monitoring Committee (CSMC), JNNURM held on 7th September, 2007 at 2.30 PM

List of participants is annexed.

Secretary (UD) welcomed the participants. Joint Secretary (UD) & Mission Director, JNNURM presented the projects before the CSMC for consideration.

Key decisions/ observations during the meeting were as under:-

1. Underground Tunnel from Maroshi to Ruparel College in Mumbai for Municipal Corporation of Brihanmumbai, Greater Mumbai:

Greater Mumbai is one of the 4 cities from the State of Maharashtra included under JNNURM. So far, 46 projects from Maharashtra have been sanctioned and first installment of Additional Central Assistance (ACA) amounting to Rs. 711 crore has been released. For G. Mumbai, 10 projects have been sanctioned and ACA amounting to Rs. 239 crore has already been released. The absence of any State Government representative in the meeting to discuss implementation of State level reforms was noted with concern. It was observed that out of 10 projects sanctioned for Greater Mumbai, work had not started on 6 projects as per the QPR. However, the representative from Greater Mumbai indicated that out of the 10 projects under reference, only 3 projects pertained to Greater Mumbai and work was in progress as per timeline on all these three projects including project sanctioned in the meeting on 20.7.2007 for underground tunnel from Malabar Hill Reservoir to Cross Maidan. It was committed that all 3 projects shall be completed as per timelines indicated at the time of approval.

The CSMC directed that the State Government should submit completion dates for all projects approved for Maharashtra by 11.9.2007 to the Mission Directorate positively. The CSMC further observed that the implementation of optional reforms have not been reported in the Quarterly Progress Report submitted for the quarter ending 30th June, 2007. The city was advised to take note of this fact and submit requisite information immediately.

The city informed two water supply projects for Greater Mumbai had been submitted. Apart from the project under reference, two more projects were under preparation. The project under reference related to replacement of existing main pipelines which were very old and had outlived their useful life by a tunnel which provided a robust alternative solution. Universal metering was a component of the project and an agency had been appointed for the purpose. Automated Meter Reading (AMR) technology was proposed to be used. Presently, only 40%

of the connections were metered. However, it was committed that by November, 2008, 100% metering shall be completed for the 3.50 lakh water connections. The agency appointed for installing the meters would supply, install, repair and operate these meters for 5 years. Telescopic water rates were proposed to ensure that water was used judiciously. The loss of unaccounted water will be reduced from existing 23% to 15% by the end of project period.

The CSMC desired to know as to why this project was not being executed on PPP basis and whether the ULB had explored possibilities in this respect. It was informed that since the project did not envisage any new connections, it would not lead to additional revenue stream which could be used for exploring PPP. Further, the committee constituted for the purpose had also recommended that water should not be privatized.

Referring to coverage of urban poor under the project, it was intimated that since the project essentially related to replacement of existing system of transmission of water by tunnel, the percentage of urban poor covered shall not undergo any change due to project. All the urban poor already being served will be benefitted from the project. The CSMC desired that number of urban poor served currently may be intimated at the earliest. Referring to environmental aspects, the representative from the Ministry of Environment & Forests stated that since no displacement of people was involved, the Ministry did not have any specific concern about the project. The CSMC also discussed the duration of the project and noted that benefits from the project would flow mostly after the Mission period. It also asked the City to specify the benefits from the project clearly and whether it would lead to 24X7 water supply. It was clarified by the City that 24X7 water supply was one of the aims and the City would move towards it gradually. However, it would not be possible for entire city to achieve this in immediate run. The ULB further informed that the city had been divided into various zones and there was separate budget for water supply and sewerage.

As for the O&M charges, it was explained that 1% of the property tax was being charged as water tax. However, the CSMC observed that there was no resolution by the BMC on tariff, O&M charges and sustainability of the project. The ULB committed to get the resolutions passed.

After considering these details, the CSMC approved the project subject to observations made as above and observations made by the appraisal agency in the appraisal note, as under:-

(Rs. in lakh)					
Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	Ist Install-ment (25% of Central Share)

1.	Greater Mumbai, Maharashtra	Underground Tunnel from Maroshi to Ruparel College in Mumbai for Municipal Corporation of Brihanmumbai	29486.76	10320.37	2580.09
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2. Visakhapatnam- Water Supply distribution system to entire area of Gajuwaka in Greater Visakhapatnam Municipal Corporation – Phase-II

The CSMC was apprised that 8 projects for Visakhapatnam city had already been sanctioned which included 3 water supply projects. It was noted with concern that work had started on only two projects and work was yet to start on remaining six projects as per QPR ending 30.6.07, even though 4 projects were sanctioned more than 13 months ago. There was no satisfactory explanation for delay in start of the work. The ULB informed that work had started on three more projects subsequently and tendering process was being completed for another two. The Committee noted that in the QPR ending 30th June, 2007, progress on optional reforms had not been reported.

The ULB further informed that 3 more water supply projects were under preparation. On completion of these projects, 24x7 water supply shall be ensured and UFW will be reduced from existing 40% to 15%. All slum areas shall be covered. It was further assured that 100% metering will be done in the entire city area where water supply was being provided and telescopic metering will be adopted for more judicious use of water. The LPCD supply will be enhanced from 77 to 150. Referring to quality of water, it was intimated that water was being checked on daily basis as per prescribed norms. The ULB had its own quality testing lab and one bio-testing lab was also being established. The CSMC was apprised about the water tariffs and it was informed that tariffs will be Rs 70/- in general and Rs 35/- for BPL households. Rs 1200/- per connection will be charged in 12 installments for providing water connection to urban poor.

Referring to availability of water, CSMC was informed that sufficient water for next 20 to 23 years was available. On completion of the project, 73,000 slum population will get potable water. Appropriate linkages between the project and project sanctioned specifically for urban poor by Ministry of HUPA had been worked out.

While discussing reforms, it was noted that the City had not reported accomplishment of reforms relating to e-Governance. Commissioner, Vizag stated that action had already been taken and would be confirmed in writing.

The CSMC approved the project as under subject to the observations made as above and observations made by the appraisal agency in the appraisal note:-

(Rs. in lakh)					
Sl. No	Mission City/ State	Project Title/name	Project Cost	Central Share	Ist Install-ment (25% of Central Share)
1.	Visakhapatnam, Andhra Pradesh	Water Supply distribution system to entire area of Gajuwaka in Greater Visakhapatnam Municipal Corporation – Phase-II	4600.00	2300.00	575.00

3. Lucknow Water Supply, Lucknow:

Shri Govindan Nair, Principal Secretary (UD), Govt. of UP, made the presentation. The CSMC was informed that eight projects for Uttar Pradesh had been sanctioned and 1st installment of ACA for seven projects had already been released. The eighth project was sanctioned in the previous meeting of CSMC held on 17.8.07 and 1st installment was being released. Referring to the fact that work was yet to start on SWM projects approved, the CSMC was apprised that the State Government was reviewing these projects and its approach on these projects would be finalized soon.

Referring to implementation of reforms, it was stated that Public Disclosure Law and Community Participation Law had been included in the new Nagar Nigam Act which was under consideration. Honourable Mayor, Lucknow, was also present during the meeting. He ensured that new tariff for the water charges will be fixed within one month. At present, the coverage was only 75%. The ULB was not able to indicate what percentage of urban poor was being covered through the project. However, it was stated that the project mainly catered to District A which had large minority population.

The issue of failure to report on optional reforms in QPR ending 30.6.07 was discussed. The CSMC also discussed earmarking of budget for the urban poor and implementation of the 74th amendment and desired that the State should explore transfer of some of the basic services to the ULBs at the earliest.

The CSMC noted the project under consideration costing Rs 388.61 crore, aimed at providing continuous, quality water supply to the city in equitable manner as per CPHEEO norms. The city had been divided into five districts based on the system of water supply, developments and topographical conditions and the project mainly catered to two districts, A and C. The project was to be implemented in 36 months. The extent of coverage due to project would increase from 75 % to 100%.

The CSMC desired commitment for the implementing agency i.e. UP Jal Nigam and Jal Sansthan regarding working arrangement post execution. The CSMC also enquired about the extent of urban poor covered under the project. It was committed that figure would be intimated shortly.

The CSMC considered and approved the project subject to the observations made above and observations made by the appraisal agency in the appraisal note, as under:-

Sl. No	Mission City/ State	Project Title/name	Project Cost	(Rs. in lakh)	
				Central Share	Ist Install-ment (25% of Central Share)
1.	Lucknow, Uttar Pradesh	Lucknow Water Supply	38861.00	19430.50	4857.63

4. Bangalore:

Twenty six projects for Bangalore city had already been approved of which 7 projects were approved recently during the month of August, 2007. CSMC noted that according to the Quarterly Progress Reports, work on 4 projects were yet to be started. The ULB informed that the work was going on for ten projects and for the remaining three works, tenders had been invited. MD, KUIDFC stated that necessary action to award the tender for the 13 projects approved during the previous months for Bangalore city had been taken. The project for Mysore city had been split in two packages for easy implementation. He further informed that Karnataka State had so far received Rs.107 crore as Central Assistance but an amount of Rs.201 crore has already been spent on the sanctioned projects. Utilization certificate for three projects from Bangalore had already been sent to the Mission Directorate for which action is being taken to release the 2nd installment. MD, KUIDFC assured that all the projects will be completed as per timeline committed. It was informed that two projects sanctioned in December, 2006 could not be initiated as re-tender had to be done. He assured to submit the details of these two projects to the Mission Directorate within week's time.

Referring to reforms, it was stated that four resolutions including reduction of stamp duty were awaiting approval of the State Assembly. E-governance proposal was already under implementation and GIS implementation was also under progress. Reforms related to property tax were also being taken.

Director (JNNURM) pointed out that in the Quarterly Progress Report ending 30th June, 2007, the city had not informed about the optional reforms. ASCI, Hyderabad, the Appraising Agency, made certain comments in respect of Bangalore and Mysore cities regarding implementation of reforms as per time

line and the State had been requested to send a report on these observations. MD, KUIDFC assured to comply with the suggestion made in the report.

CSMC pointed out that Bangalore city had not so far submitted any project on solid waste management and it was only submitting projects related to urban transport. It was informed that a project under solid waste management was being executed with assistance from ADB and JBIC.

Three projects from Bangalore city were decided as under:

- I. Under Ground Drainage work in Yelahanka town, Bangalore.**
- II. Under Ground Drainage work in Kengari town, Bangalore.**

During the presentation it was intimated that already four drainage projects have been approved by the CSMC which were under progress. The above two projects were being submitted for consideration and approval. CPHEEO commented that projects were being submitted in piece meal manner. The technology used in the proposed project for treatment was ultra filtration blended with raw water. The area covered under these two projects was 12.3 kms and 12.5 kms respectively. STP (Sewerage Treatment Plant) part of these two proposals was being undertaken under JBIC loan. The projects will be completed by 31.9.2009. Referring to Schedule of rates adopted in DPR, the BWSSB committed that it would meet any additional cost due to revision of rates.

III. Construction of Underpass at Magadi Road and Chord Road Junction Bangalore:

The project was being undertaken to decongest the traffic and the project flows . The project was part of the comprehensive mobility plan. CSMC directed that NOC from other concerned agencies such as BBMP should be taken before starting of the work and future project proposals should be submitted after taking NOC from the concerned agencies. The CSMC further observed that Bangalore city had submitted large number of road projects and central funds under JNNURM were not being utilized towards basic services. It was replied that remaining projects for basic services were under preparation and would be submitted soon.

CSMC considered the three projects and approved subject to the observations made as above and in the appraisal note of the Appraisal Agency as under:-

(Rs. in lakh)					
Sl.No.	City	Project	Project	Central	1st

		details	cost	Assistance (35% of the approved cost)	installment (25% of the Central Assistance
1	Bangalore-Yelahanka	Under Ground Drainage work	1500.63	525.22	135.30
2	Bangalore-Kengari	Under Ground Drainage work	1876.36	656.72	164.18
3.	Bangalore	Construction of underpass at Magadi road and Chord road junction	2782.49	973.87	243.46

IV. Mysore:

MD, KSRTC made a presentation for introduction of Bus Rapid Transit System Phase-I in Mysore. It was stated that the project was to be taken in two phases and the present proposal was for Corridor-I at a cost of Rs.35283.00 lakh. In the presentation it was pointed out that comprehensive mobility plans for the Mysore city was yet to be prepared. Total length of two corridors was 133 kms and present proposal was for 59.9. kms under phase I. The corridor C-I was of 24 kms. At present the buses were run by the Karnataka State Road Transport Corporation (KSRTC). The State transport had a monopoly and was running in profit. 2.1 million tickets are issued daily and electronic ticketing had been introduced. The traffic was mixed and segregation of traffic was necessary.

The CSMC observed that the city had submitted only one project for water supply so far and even for this project work had not started. Projects for other basic services such as Sewerage, Solid Waste Management, Drainage etc. had not been submitted so far.

The CSMC further observed that that no PPP was envisaged under the project. MD KSRTC stated that IRR for the project was not encouraging for PPP. Even financial analysis for O&M cost was negative. CSMC pointed out that segregation of traffic could be achieved by demarcation of a lane by the city authorities with its own resources and for this purpose it did not require a BRTS at all. However, JNNURM can assist in introducing Intelligent Traffic System

(ITS). The available Right of Way (RoW) was 21 metre and the carriage width was about 6.6 to 7.0 metre. The RoW was less than 21 metre in 5 km stretch. Therefore, an analysis by CPWD into the matter was required. The CPWD would also study availability of land and shifting of utility services.

KSRTC was advised to explore introduction of PPP in the rolling stock. EOI could be invited for the purpose. The sustainability of the project needed closer scrutiny.

Accordingly, MD, KSRTC was requested to consider the observations made above, explore the possibility of PPP and thereafter come again before the CSMC along with fresh alternative proposal.

5. Madurai: New wholesale vegetable market:-

The CSMC noted that the project did not have the approval of the SLSC. Moreover, construction of market is not a permissible item under UIG. Accordingly, the proposal was rejected by the CSMC.

6. Rapid Training Programme for ULBs: Proposal for implementation of Module III- Project implementation and Management:

The CSMC considered the proposal at cost of Rs 256.72 lakh and approved.

7. Miscellaneous:

It was brought to the notice of the CSMC that CPHEEO had been adopting different criterion for adding 0.5% as administrative charges in the approved project cost. In some cases it has been allowed even without request by the city but in some other cases, it has been denied without assigning any reason. CSMC decided that henceforth, the appraisal agencies should follow uniform approach.

Meeting ended with vote of thanks to the Chair.

**MINUTES OF THE 37th MEETING OF CENTRAL SANCTIONING AND
MONITORING COMMITTEE (CSMC), JNNURM HELD ON 26th October, 2007
AT 10.30 AM**

List of participants is annexed.

Secretary (UD) welcomed the participants. Joint Secretary (UD) & Mission Director, JNNURM presented the projects before the CSMC for consideration.

Key observations made during the meeting were as under:

- 1. AVADI MUNICIPALITY (CHENNAI UA) - PROVIDING
COMPREHENSIVE WATER SUPPLY SCHEME TO AVADI
MUNICIPALITY**

Reform Implementation:-

(i) Public Disclosure Law – This was to be completed in the second year of the Mission, i.e., 2006-07. It was mentioned that the draft proposal has been framed. This will be placed in the Monsoon Session of the State Legislature, i.e., in January, 2008. The executive order has already been issued

(ii) Double Entry system – This was committed for implementation in the year 2006-07. This has been done.

(Detailed presentation at Annexure -I)

PROJECT:

**PROVIDING COMPREHENSIVE WATER SUPPLY SCHEME TO AVADI
MUNICIPALITY:**

Avadi Municipality is part of the Chennai Metropolitan Area and has a population of 2.16 lakhs as per the 2001 census.

The Municipality does not have any organised water supply distribution system and it is currently being served through 417 public fountains. The daily water supplied is about 12.5 lakh litres. The current available distribution system coverage in the municipality is only 12%. The proposed project provides for a Comprehensive distribution system with adequate storage and distribution capabilities.

The project proposes to provide 41.85 MLD of water in 2008, 51.77 MLD in 2023 and 66.50 MLD in 2038 to the City population from the 300 MLD water treatment plant at Red Hills.

- i. CPHEEO, the appraisal agency, said that the project was originally designed based on per capita water supply of 90 LPCD. The municipality was asked to redesign the project with the norms of providing 135 LPCD, hence the upward revision in the project cost.
- ii. The proposed Cost of the project is Rs 124.67 Crore but the approved cost suggested for consideration by the appraisal agency was only Rs.93.37 Crore.
- iii. The reduction in project cost is due to the non allowance of road cutting charges. The appraisal agency suggested laying of the pipes on both the sides of the roads as this will reduce the road cutting charges on National Highway. It was also suggested to the project implementing agency to go in for laying of the water distribution pipelines on one side on all other roads excepting the National Highway.
- iv. The Managing Director, CMWSSB requested the CSMC to include road cutting charges to be paid to concerned Agencies in the project Cost. The CSMC asked the appraisal agency to rework the cost of the project taking into account all the above aspects. Accordingly the revised cost of the project may be projected for approval of CSMC.
- v. The Total length of pipelines to be laid for distribution system requiring cutting was projected at 330 Kilometers.

- vi. CSMC took note of the fact that some States accord Administrative Approvals for projects after the project is sanctioned by the CSMC. It was pointed out that this process leads to significant delays. The CSMC decided that the practice of obtaining Administrative Approval after a project is sanctioned by CSMC should be immediately dispensed with. The projects are submitted to CSMC after approval of SLSC, which is headed by highest level functionaries of the State. Therefore, delays on account of Administrative Approval cannot be allowed once a project is sanctioned by CSMC. Chairman, CSMC asked Joint Secretary (UD) to address letters to all States regarding the issue.
- vii. The implementation schedule of the project was mentioned as 24 months with effect from 15th February, 2008. It was stated that the tenders will be invited immediately.
- viii. It was further stated that the project shall be completed by 31st March, 2010, two years from that date (15th February, 2010).
- ix. CMWSSB also submitted to the CSMC that in the Master Plan proposed by CMWSSB, they have given a commitment to supply water to all the Urban Local Bodies in the Chennai Metropolitan Area from various sources during normal times (as Chennai often faces drought due to failure of monsoon other alternatives are explored) only.
- x. To augment the water supply, a 100 MLD desalination plant is coming up under DBOOT model. Water is also brought to Chennai through Telugu Ganga Canal from River Krishna.
- xi. CSMC asked the project implementing agency and the ULB how the issue of providing water supply to Urban Poor has been addressed in the proposed project.
- xii. The ULB and the project implementing agency assured that the project design has taken into account all the urban poor households and 100% coverage will be provided for Urban poor. All Urban Poor households will be provided with metered connection and no connection charge will be levied from the Urban Poor Households.

- xiii. The CSMC asked the project implementing agency to get all the clearances required from the line agencies and submit a copy to the Mission Directorate soon. The CSMC also instructed the project implementing agency to submit the PERT chart for project execution immediately
- xiv. Joint Secretary (UD) asked the Project Implementing Agency (PIA) about extent of Non Revenue Water (NRW) estimated in the project. The PIA said that 15% is the extent of NRW projected in the project estimation and is in-built in to the New system proposed.
- xv. The Chairman, CSMC asked the Mission Directorate to monitor all the above parameters / projections given in the proposed project.
- xvi. It was also pointed out by the Managing Director, CMWSSB, the project implementing agency, that the cost recommended for approval by the Appraisal Agency did not take into account the provision for cost escalation during the project implementation period as the Schedule of Rates of Government of Tamil Nadu did not have provisions for Cost Escalation. If the approved cost of the project based on the 2007 - 08 SOR of Government of Tamil Nadu is frozen by the CSMC while giving approval, it will be difficult to factor in any cost escalation in future. He, therefore requested the CSMC to look into this issue and provide for cost escalation.
- xvii. The Secretary (UD) stated that a group of Secretaries is looking into the issue and a decision will be taken soon. It was also brought to the notice of the CSMC that projects sanctioned by the Ministry of Environment and Forests under National River Conservation Directorate allows for cost escalation in project not exceeding 10% of the project cost.
- xviii. As per the instructions of the CSMC, the estimate for the project was re-examined with Shri.V.Balraj, Superintending Engineer, CMWSSB, Shri.V.Manivannan, Executive Engineer, CMWSSB and Shri.K.Ravi, Municipal Engineer, Avadi Municipality and CPHEEO officials.

The project was accordingly sanctioned subject to observations of appraisal agency and CSMC:

(Revised Appraisal Note is at Annexure –II)

(Detailed presentation at Annexure-III)

(Rs. In
Lakhs)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	State Share	Ist Installment (25% of Central Share)
1.	Avadi Municipality (Chennai UA)	Providing Comprehensive water Supply Scheme to Avadi Municipality	10384.00	3634.40	1557.60	908.60

2. BANGALORE: THE UNDER-MENTIONED PROJECTS WERE TAKEN UP FOR RECONSIDERATION:-

(Rs. in lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	State Share	Ist Installment (25% of Central Share)
1.	Bangalore, Karnataka	Development of Traffic and Transit Management Centre (TTMC) at Banashankari, Bangalore	2223.51	778.22	333.53	19.45

2.	Bangalore, Karnataka	Development of Traffic and Transit Management Centre (TTMC) at Vijayanagar, Bangalore	3812.42	1334.34	571.863	33.35
3.	Bangalore, Karnataka	Development of Traffic and Transit Management Centre (TTMC) at Koramangla, Bangalore	5058.06	1770.32	758.709	44.25
4.	Bangalore, Karnataka	Development of Traffic and Transit Management Centre (TTMC) at Shantinagar, Bangalore	8467.96	2963.78	1270.194	59.27
5.	Bangalore, Karnataka	Development of Traffic and Transit Management Centre (TTMC) at ITPL, Bangalore	2655.63	929.47	398.344	27.88
6.	Bangalore, Karnataka	Development of Traffic and Transit Management Centre at Bannerghatta, Bangalore (Proposed Bus Terminal, Maintenance Depot and Passenger Amenity Centre at Bannerghatta, Bangalore)	392.60	137.41	58.89	34.35

7.	Bangalore, Karnataka	Development of Traffic and Transit Management Centre at Kengeri, Bangalore (Proposed Bus Terminal, Maintenance Depot and Passenger Amenity Centre at Kengeri, Bangalore)	2112.66	739.43	316.90	184.86
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The above projects were considered by the CSMC in its meeting held on 17.8.2007 subject to condition that “PPP shall be attempted not only in respect of operation and maintenance but also construction of bus stations as well”.

The Project Authorities of Bangalore had requested reconsideration of this condition. During the presentation, reasons were given as to why PPP was not possible at the construction stage of these projects. One reason was the time factor. In the case of PPP, where the billing has to be two stage billing, the time expected is 40 weeks. In the case of EPC(Engineering, Procurement and Construction) time required is 13 weeks. Another factor is low, IRR which discourages PPP. The past instances were also cited, wherein the response to PPP was very poor. Another major reason is the laws regarding regulation of land use. As per the laws in the State in the transportation zone, the activities are limited to transport related activities only. Commercial activity is not to exceed 300 sq. metre or 5%, whichever is lesser.

It was further mentioned that BMTC was not the absolute owner of the asset as the land belonged to Government.

Taking into consideration the presentation made by Bangalore, their request was acceded to. It was also suggested that Govt. of Karnataka should take action to relax norms relating to land use.

(Detailed presentation at Annexure-IV)

3. MYSORE - DEVELOPMENT OF TRANSPORT INFRASTRUCTURE FACILITIES OF MYSORE CITY

i) A presentation was made on the project by Karnataka State Road Transport Corporation (KSRTC). Following benefits of the project were mentioned:

- Inter modal transport facility under one roof
- Encouragement of park and ride
- Modal shift towards public transport

- Reduction of on-street parking
 - Provide first and last mile connectivity
- ii) It was further stated that project shall be completed within 18 months (by July, 2010).
- iii) Secretary (UD) desired to know as to why the project could not be implemented in PPP mode. It was explained that NPV and IRR of the project over 30 years were negative and hence it was difficult to bring in private partnership as the project was not sufficiently attractive.
- iv) However, it was committed that PPP shall be explored in O&M.
- The CSMC approved the project as under subject to the condition that observations of appraisal agency and CSMC should be complied with:

(Detailed presentation at Annexure-V)

(Rs. in lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	State Share	Ist Install-ment (25% of Central Share)
1.	Mysore, Karnataka	Development of Transport Infrastructure facilities of Mysore City.	8525.74	6820.59 (being 80% of the approved cost)	852.574	682.05 (being 10% of the additional central assistance admissible)

4. VARANASI - SOLID WASTE MANAGEMENT

Reform Implementation:

Earmarking for Urban Poor in the Cities Budgets - It was stated that reform shall be completed within the year 2007-08.

e-governance – This reform is also committed to be completed in year 2007-08. State-level consultants have been appointed.

Public Disclosure Law - This reform is also committed for implementation in year 2007-08. The approval of the Cabinet has been obtained. Further action will be completed in the next two months.

The following project of Varanasi was considered:-

Project:

The CSMC observed that none of the Solid Waste Management projects approved for UP have progressed forward. Secretary (UD), Govt. of UP, committed that all problems related to the implementation of SWM projects sanctioned for the State shall be sorted out within the next week and progress

will be reported to the Mission Directorate. She accordingly requested for approval of project for Varanasi.

The CSMC observed as under:

- i. The current proposal submitted by the City and its interlinkages with the Ganga Action Plan (GAP) shall be looked into and the same shall be factored into the project.
- ii. The CSMC enquired about the linkage between the proposed SWM project and GAP. It was stated that GAP mainly looked into sewage related problems and its focus was not on SWM. However, there were areas in which the two projects could be synergized. Secretary (UD) instructed that synergy between the projects may be ensured. The problem of SWM arising out of high volume of pilgrims came in for specified attention of CSMC.
- iii. The strategy proposed in the project comprised the following :
 - a. Remediation on - site
 - b. Excavations along the river
- iv. The Current state of uncontrolled dumping along the river and in the river stretch between two rivers Varuna & Assi calls for closure of current dumping sites of solid waste and to clean the river and river front.
- v. Ashes generated from the Ghats shall be captured by in-laid enclosures separately and disposed of.
- vi. Provision of special arrangements and providing Pushpapatras to collect the flowers offered for immersion in the river to be collected and composted separately.
- vii. Secretary (UD), while reviewing the projects enquired about sustainability of project and PPP component.
- viii. It was also clarified that collection of solid waste was proposed through a mix of private entities and NGOs/CBOs.
- ix. The MSW Compost plant was also proposed to be done through private entity.
- x. The City also informed that they shall explore possibility of taking advantage of Carbon Credits.
- xi. Landfill shall be built by the local body and outsourced to private sector for operation by allowing them to collect a tipping fees from the City.

- xii. ULB shall collect user charges for collection of solid waste at differential rates like Rs.20 for low income families, Rs.30 for higher income families and Rs.75 - 200 for commercial establishments.
- xiii. The Chairman, CSMC said that there shall be a Mid- Course review on the project and all conditionalities and terms will be monitored against the project implementation.
- xiv. As for the washing of clothes, separate enclosures are proposed to be provided for and the resultant waste water will be diverted to a separate treatment plant. It was suggested by CSMC that user charges could be levied for performing last rites.

The above project was approved subject to above condition. The project shall be reviewed after one year by the Mission Directorate

(Detailed presentation at Annexure-VI)

(Rs. in lakh)

Sl. No.	Mission City / State	Project Title/ name	Project Cost	Central Share	State Share	Ist Install-ment (25% of Central Share)
1.	Varanasi, Uttar Pradesh	Solid Waste Management	4867.73	2433.87	973.546	608.47 (approx.)

5. AGRA - BRANCH & LATERAL SEWER LINES IN NORTHERN & WESTERN ZONES OF AGRA CITY

This project was considered by CSMC in its meeting held on 6.8.2007 and the CSMC observed that resolution from the local body regarding 100% connectivity to sewer lines and ownership of the project shall be the pre-condition for the sanction of the project. It also observed that user charges to be levied needs to be ensured and the project should be entrusted to the UP Jal Sansthan by the ULB. The necessary resolutions in light of the observations of the CSMC were submitted by the Agra Municipal Corporation. The CSMC reconsidered the project and approved as follows subject to conditions laid down by the appraisal agency and CSMC in its earlier meeting:

(Rs. in lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	State Share	Ist Install-ment (25% of Central Share)
1.	Agra, Uttar Pradesh	Branch & Lateral sewer lines in Northern & Western Zones of Agra city	2162.00	1081.00	432.40	270.25

6. KANPUR – WATER SUPPLY WORK FOR INNER OLD AREA OF KANPUR

This project was considered by the CSMC in its 36th meeting held on 21.9.2007 and the CSMC made the following observations:-

- (i) There was no mention of providing metering in the project nor it indicates, how to meet the cost for providing meters. There was no mention about levy of user charges.
- (ii) The CSMC asked the city to take into account the demands of urban poor and minorities and to ensure that they were included in the project design. The exact localities and the total number of urban poor and minorities benefited should be given in the project report.
- (iii) Every care should be taken that this project did not add to the already existing problems.

The Municipal Corporation of Kanpur submitted an undertaking in respect of the above and the CSMC reconsidered the project and approved the same subject to conditions laid down by appraisal agency and CSMC in its earlier meeting as under

(Rs. in lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	State Share	Ist Install-ment (25% of Central Share)
1.	Kanpur, Uttar Pradesh	Water Supply Works for Inner Old Area of Kanpur city under JNNURM	27094.89	13547.44	13547.44	2709.49 (being 20% as per

						financial phasing)
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7. INDORE - SOLID WASTE MANAGEMENT STATUS OF REFORMS & PROJECT IMPLEMENTATION:

The CSMC noted as under:

- i. All optional reforms as per March,2007 is completed and the Report will be submitted to the Mission Directorate by 31st,October,2007
- ii. Notification for Rain Water Harvesting in the building has been incorporated in the byelaws
- iii. Structural reforms like unbundling of bulk water supply and corporatisation is coming up before the cabinet for a decision and the same shall be communicated
- iv. As far as Jabalpur is concerned, E-Governance reforms are to be implemented by March -2008.With reference to property tax reforms, it was stated that data relating to 1.5 lakh properties was already captured. 15 Modules of E-Governance has been completed and other modules are under development and will soon be operationalised. DFID is also assisting the local bodies in the State in the implementation of reforms.
- v. Five projects committed to get completed by Midterm (December -2008) were under implementation.
- vi. Sewerage project shall be started in November -2007.
- vii. Eight projects were under pipeline for submission.
- viii. GIS survey has been launched. Complete coverage is expected by March, 2008
- ix. Credit rating shall be completed during, December,2007.
- x. CSMC suggested to the State and ULB to look into the possibility of creating and providing linkages for Marriages Registration in the E-governance programme.

- xi. The City also reported that work under National Urban Information System has already started in Indore Municipal Corporation.
- xii. Out of the 26 module being developed under E-Governance programme, 7 modules have already been put in place
- xiii. 100% metering of water supply has been initiated and user charges are collected at a uniform rate across the City. Dr.Chellam, Economic Advisor, MoUD suggested, the City to adopt the system of telescopic rates for various users.

PROJECT:

SOLID WASTE MANAGEMENT IN INDORE:

The proposed project for solid waste management for the City comprised of 130.17 Sq.Km area spread over 12 zones.

The CSMC noted following salient aspects of the project:

- i. Segregation of waste at source.
- ii. Provision of Adequate Secondary storage capacity of containers as per requirement for storing waste generated in Residential Areas, slums, institutions and on the streets.
- iii. Modernising the Solid Waste Management fleet.
- iv. Setting up of secondary transfer station facilities.
- v. Setting up of a Compost Plant of 400 TPD capacity at Devguradia.
- vi. Setting up of a 20 TPD plastic ingot plant for recovery of plastic waste.
- vii. Setting up of Landfill facilities for final disposal of rejects and inerts at Devguradia.
- viii. The Total Solid Waste generated at present in the City is approximately about 743 MT out of which 450 MT is collected and disposed. The City currently has about 1120 secondary storage points.
- ix. User charges were collected by the city and currently it collects about Rs.69 lakhs on solid waste management and it is expected to increase to Rs.100 lakhs by the end of this year.

- x. CSMC observed that all the Solid Waste Management projects have got potential for Public Private Participation. The City should explore all the possibilities for structuring PPP in all the stages of SWM project.
- xi. Sustainability of the project sanctioned in the long run from the economic and financial aspects should be explored by the City by exploring PPP in all aspects of SWM like primary and Secondary collection, Recycling, Composting and Landfilling of Solid Waste.
- xii. Commitment to enforce the legal aspects of solid waste management in the light of the proposed Municipal Solid Waste Handling Rules -2007 and the Compliance by all the Cities by year 2010 should be looked into in the revised project.
- xiii. Polluter pays principle should also be explored for possible models of implementation.
- xiv. Director (NURM) and CPHEEO were asked to submit a concept paper on SWM for consideration of Chairman, CSMC
- xv. The city was asked to restructure the project after taking into account observation of CSMC.

In view of the above observations, It was decided that the project may be restructured with PPP and it may be brought back for reconsideration.

(Detailed presentation at Annexure-VII)

8. MADHYA PRADESH - SETTING UP OF PROGRAMME MANAGEMENT UNIT (PMU) AND PROGRAMME IMPLEMENTATION UNITS (PIUs)

The proposals for establishment of PMU and PIU submitted the State was approved on the following basis:-

- PMU – Madhya Pradesh – Rs. 92.4 lakh per annum
- PIU – Bhopal – Rs. 24.60 lakh per annum
- PIU – Indore – Rs. 24.60 lakh per annum
- PIU – Jabalpur – Rs. 24.60 lakh per annum
- PIU – Ujjain – Rs. 27.60 lakh per annum

9. KOHIMA - ROADS AND TRANSPORTATION PROJECT

The CSMC desired to know from the City, whether the Road sector project was accorded the highest priority in the CDP. It was submitted by the State Government that though Urban Transport project was not accorded highest

priority, the State Government has repeatedly requested for its approval given the overall capacity of the State for formulation and implementation of the project and likelihood of taking up of other projects.

The CSMC noted the fact that there was a proposal with the Planning Commission for enhancement of allocation for North East, therefore it shall be possible for the CSMC to consider other project in times to come. The CSMC also took into account the fact that some projects may be taken up under NEURDP as well.

The CSMC noted as under:

- i. The project involves re-engineering of roads to provide footpaths and drainage. The total length involved is 11 kms. and involves hill cutting.
- ii. The project propose to undertake Hill cutting at certain places and building retaining walls wherever landslide prone areas are encountered.
- iii. It also included improvement of curves and creation of all weather roads.
- iv. It was pointed out that the allocation of 7 years for the State of Nagaland would be consumed in this particular project itself.

(Rs. in lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	State Share	Ist Install-ment (25% of Central Share)
1.	Kohima, Nagaland	Roads and Transportation Project, Kohima	2525.60	2273.04 (being 90%)	252.56	568.26

The above project was approved.

(Detailed presentation at Annexure-VIII)

Meeting ended with vote of thanks to the Chair.

MINUTES OF 39th MEETING OF CENTRAL SANCTIONING AND MONITORING COMMITTEE (CSMC), JNNURM HELD ON 6th December, 2007 AT 10.00 AM

List of participants is annexed.

Secretary (UD) welcomed the participants. Director (NURM), JNNURM presented the projects before the CSMC for consideration.

Key observations made during the meeting were as under:

MAHARASHTRA:

REFORMS & PROJECT IMPLEMENTATION STATUS:

Reviewing the progress of the 47 projects for Maharashtra sanctioned so far, It was pointed out that implementation of 6 of the 10 projects sanctioned for Greater Mumbai has not yet started as per the QPR received in the Mission Directorate. CSMC also noted that no State representative was present in the meeting. CSMC expressed concern about money lying unutilized. The State was asked to fix milestones for the pending projects.

As far as the reforms timeline for Nashik Municipal Corporation, it was stated that city had implemented reforms pertaining to conversion of land use and 20% reservation of land for EWS and other weaker sections.

The Municipal Corporation, Nashik informed the CSMC that all the 3 projects sanctioned for Nashik are in progress.

1. NASHIK- STORM WATER DRAINAGE FOR NASHIK MUNICIPAL CORPORATION:

PROJECT:

The project proposes to cover 100% drainage for the city and right now it has only 20% of the area covered under Storm water drainage

It was clarified by the city that:

- (i) The approval of SLSC has been obtained
- (ii) The project shall be completed in 36 months by December-2010
- (iii) The financial phasing of the project shall be phased up to 2010-2011
- (iv) As regards to sustainability of asset created, it was stated that the cost of O&M shall be covered under budgetary allocation for the purpose. The current budget provided about Rs. 56 Crore for maintenance for the entire city. It was specifically enquired whether the budgetary allocation shall be sufficient for maintenance after Octroi is abolished, which was a likely scenario. It was clarified by the Municipality that it shall ensure proper maintenance.
- (v) Secretary (UD) requested the CSMC to consider possible ways of ensuring proper maintenance and upkeep of assets created, including service levels. It was agreed that there was a need for evolving Standardized Service Level Benchmarks which the Cities would be requested to adhere to as part of the approval process. Deputy Municipal Commissioner assured the CSMC that the City would abide by any service level Benchmarks that would be evolved by Ministry of Urban Development. The CSMC specifically highlighted dissemination of information related to periodicity of

cleaning. The CSMC also requested the City to institute a mechanism for obtaining the citizens feedback on the working of SWD.

- (vi) The Deputy Municipal Commissioner Nashik stated that ULBs in Maharashtra were required to publish environmental Status by 31st July every year in which some information as desired by CSMC was published periodically. NMC periodically informs citizens about pre and post monsoon clearing of the storm water drainage. It was desired by CSMC that a copy of the report may be provided.
- (vii) NMC assured that the project will be completed in the stipulated period of 36 months, i.e., by December, 2010 no additional funding shall be sought for cost escalation during the period.
- (viii) NMC shall submit a PERT chart of the project indicating the Timeline for project implementation.
- (ix) The representative of Ministry of Environment & Forests observed that as pace of industrialization in Nashik is very fast, the Corporation should undertake that no effluent apart from storm water shall be discharged into Godhavari River. The need for separate provision for drainage of any effluent from industries was highlighted, to ensure that toxic effluents do not find their way to water bodies.
- (x) Shri O.P. Mathur, Member, TAG, observed that process of evolving Service Level Benchmarking should be completed at the earliest. The issue of non-compliance to these norms should be adequately addressed.

The CSMC approved the project with above observations and those of the appraisal agency as under:-

(Rs. in lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	Ist Installment (25% of
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					Central Share)
1.	Nashik, Maharashtra	Storm Water Drainage for Nashik Municipal Corporation	31031.00	15515.50	3878.75

2. MIRA-BHAYANDER (UA OF GREATER MUMBAI) - UNDERGROUND SEWERAGE PROJECT BASED ON DECENTRALISED SYSTEM

Mira-Bhayander is an ULB covered under the Mumbai Urban Agglomeration. The CDP for Mira-Bhayander is yet to be approved and MoA is yet to be signed. The appraising agency, National Institute of Urban Affairs, was asked to expedite the process and submit the appraisal report without further delay. The City shall also sign a separate Memorandum of Agreement (MoA) for implementation of reforms with the Mission Directorate. Funds shall be released only after signing of MoA. It was stated that Mira-Bhayander is a new developing town and is divided into 9 zones. Of the Total Area of 79.70 Sq.Km of the City, only 23.15 Sq.Km constituting 29.30% is developed and other areas mainly fall under forest and CRZ zones.

PROJECT:

At present, only 23% of the area of the City, comprising four residential colonies, is covered under sewerage. The proposed project shall improve the level of coverage to 100%, including minority population which was about 50% of overall population. The proposed project shall cover 23 Sq.Km of the city area with Sewerage Networks. The project is designed for the projected population of 28.55 lakhs in the year, 2041.

- The Area of the City to be covered under Sewerage shall be Bhayander (T), Penkarpada, Mira (Part), Kashi (Part), Khari, Goddev, Mahajan Wadi and Navghar.
- The reason for the City to propose Decentralised Sewerage Treatment system is economy of the system. Nearly 71% of the area is covered

under forest, salt pans, marshlands and agricultural lands. Land is in short supply in the remaining part of the area.

- Nearly flat terrain, High ground water level and Sea water infiltration are other main reasons for the adoption Decentralised Waste Water Treatment System
- The entire City shall be covered under 11 independent Sewerage Treatment Plants connected to three Ring Mains
- Rotating Bio-disc technology(RBC) is proposed to be used in the Project and the construction shall be in a phased manner as this technology allows STP's to be built as packaged treatment plants
- The RBC system adopted in the project provides for a separate sewerage system in each zone. However, in case of failure in one zone, the sewerage can be diverted to other zones for treatment
- The sewerage network comprises 3 Ring mains
- Recycled water shall be used for non-potable purposes
- Ring main –I will connect zone -1,2,4,5 & 7, Ring main-II shall collect zone – 8 and Ring main –III shall connect zone – 6a,6b & 6c.
- The Corporation share will be met by loan from MMRDA. The project will be completed in 36 months and monitored through PERT chart. The recycled water will be reused
- It was mentioned that Mira-Bhayander has 100% metered water supply in existence. Also, there was 100% recovery of water charges.
- Shri Sivaramakrishnan, Member, TAG, pointed out that RBC system is generally tried in isolated colonies and it is not clear as to why this system is being tried in Mira-Bhayander. He also stated that CPHEEO as a Central appraising agency involved in the appraisal of all the projects relating to sewerage should prepare an overview note indicating as to what is the best technology
- The City also submitted that RBC technology as a viable option for the Cities Sewerage Treatment and a copy of the Report from IIT Mumbai

which has approved adoption of the technology shall be submitted by the City to the Mission Directorate

- As the Technology is not a tried one on a large scale anywhere in the country, the CSMC observed that O&M maintenance for 10 years should be incorporated in the tender clauses while bids are invited from the technology providers
- As IIT, Mumbai has already studied the technology and certified its appropriateness. The CSMC observed that they may be associated in the implementation and monitoring of the project
- It was highlighted during the meeting that R.B.C technology was not a new technology and was specially suitable for low volumes of sewage
- The entire plant shall be camouflaged from the public view and shall also be odorless. Capacity augmentation shall be modular as the treatment plant comes as package unit, so one unit can be stacked over the other saving land area required.
- The tender shall also specify the size of modular units and should include Operation & Maintenance period
- The CSMC was apprised that public sensitization was being carried out in the City through Cable T.V, hoardings
- The CSMC approved the project with above conditions and those of the appraisal agency as under:-

(Detailed Presentation at Annexure – I)

(Rs. in lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	Ist Installment (25% of Central Share)
1.	Mira-Bhayander (UA of Greater Mumbai)	Underground Sewerage Project based on Decentralised system	33142.27	11599.80 (being 35%)	No funds will be released in the current year as per financial phasing suggested by CPHEEO

PROJECTS TAKEN UP FOR RELEASE OF 2ND INSTALLMENT OF ACA

3. NASHIK, WATER SUPPLY PROJECT (PACKAGE-I):

- The issue regarding revision of Building Bye Laws for simplification of approval process for construction was taken up with the City.
- It was stated that the reform shall be accomplished by end of the Financial Year.
- The City was also asked to ensure 100% metering of connections within the time frame agreed while sanctioning of the project.
- The City also explained that there was an existing mechanism to ensure that the Municipal council is kept informed of the status of implementation of projects and reforms.

The CSMC approved release of second installment with above conditions.

S.NO	Mission City/State	Project Title/Name	Project Cost	Central Share	2 nd Installment (25% of central share)
1.	Nashik, Maharashtra	Water Supply Project (Package-I)	5052.00	2526.00	631.50 (being 25% of the ACA, as 2 nd installment)

4. NAGPUR, EXPANSION AND UPGRADATION OF DISTRIBUTION NETWORK

The review of progress of on-going projects for Nagpur was made. It was explained that for 11 projects sanctioned for Nagpur, work shall be completed as per the time schedule already committed. Nagpur ULB assured that status report of reform commitment of 100% cost recovery will be given by next week

positively. It was further stated that mechanism for keeping the elected Municipal Corporation informed about projects and reforms has been started.

STATUS OF PROJECT IMPLEMENTATION:

- Leak Detection Programme : All the four tender packages envisaged in the project have been tendered and work shall be completed by December,2008
- Energy Audit Programme: – Out of the 6 packages envisaged in the project 4 packages have been tendered and shall be completed by March,2009
- Expansion and Upgradation of water supply distribution network in Nagpur City : Out of the 2 packages envisaged in the project , 95% of work has been completed in the first package and work order will be issued shortly for the second package. The work shall be completed in Package No.1 by December,2007 and Package No.2 shall be completed by December,2009
- Water Audit Project : Out of the 3 packages envisaged in the project, tender has been awarded for 1 package and the project shall be completed by March,2009.
- Kanhan Augmentation Scheme for Nagpur City: No work has started in the project only the work order scheduled to be issued shortly and shall be completed by March,2009
- Augmentation to Nagpur City Water Supply by 120 MLD:
 - Part -1: Lifting water from pench reservoir and conveying upto Mahadula by mortar lined MS pipeline in lieu of canal : PPP is being explored in the project and shall be completed by December,2009
 - Part-2: Conveyance of water from Mahadula to WTP at Gondhni treatment and further conveyance to MBR at Governor House: Tender process has been completed and put up before the standing committee of the city corporation for approval. The project shall be completed by December, 2009

- Part-3: Laying of Feeder Mains and construction of ESRs and GSRs : Tender process has been completed and put up before the standing committee of the city corporation for approval. The project shall be completed by December,2009
- Part-4: Expansion & Upgradation of Distribution Network - Tender process has been completed and put up before the standing committee of the city corporation for approval. The project shall be completed by December,2009
- Reuse of treated waste water from thermal power plant and reduce stress on fresh water resources: 4 packages has been envisaged in the project and an agreement is under process with MahaGenco and placed before the General Body of the Nagpur Municipal Corporation. Work shall be completed by March,2009
- Construction of RoB near Santra Market, Nagpur: The work has been executed by MSRDC through M/s AFCONS, the foundation and super structure work is under progress. The project shall be completed by June,2009
- Construction of RoB near Kalmana : Foundation and Super structure work is under progress and the project shall be completed by June,2009
- Construction of RoB at Maskasath : Tender have been invited by MSRDC and the project shall be completed by December,2008
- Construction of RoB near Itwari Station, Nagpur: Tender have been invited by MSRDC and the Project shall be completed by August,2009
- Constrcution of RUB near Anand Talkies: This project shall be completed by December,2009
- Slum development and Housing for the Poor: Tenders are under process and the project shall be completed by December,2009

(Detailed Presentation at Annexure –II)

The CSMC approved the release of 2nd installment of ACA to Nagpur as under:

(Rs. in lakh)

S.NO	Mission City/State	Project Title/Name	Project Cost	Central Share	2 nd Installment (25% of central share)
1.	Nagpur, Maharashtra	Expansion and upgradation of distribution network	3793.00	1896.50	474.12 (being 25% of the ACA, as 2 nd installment)

ANDHRA PRADESH:

Reform and Project Implementation:

CSMC noted with concern that no State/SLNA representative was present in the meeting for reporting about the status of implementation of projects and reforms. The CSMC enquired about status regarding repeal of ULCRA. Chairman Vijayawada Urban Development Authority and the officials from the Greater Hyderabad Municipal Corporation reported that the bill for repeal of ULCRA shall be placed in the Assembly by February, 2008. Secretary (UD) pointed out that the MoUD has given time till December, 2007 to the Govt. of Andhra Pradesh for complying with ULCRA.

5. Vijayawada - Formation of IRR connecting NH 9 & NH 5 in between the flyovers at Milk project & Ramvarappadu in Vijayawada city

PROJECT:

The project was presented by the Chairman, VGTM Urban Development Authority. VGTM UDA is the project implementing agency. The proposed project is for the construction of an Inner Ring Road connecting the National Highways-9 and National Highways- 5 starting at Milk point flyover and joining at 4 Lane Nuzvidu Road

- It was explained that in Vijayawada, 4 rail lines, 2 national highways and 3 canals of Krishna river are flowing. There is a dire need for construction of inner ring road to ease the traffic movement. Construction of the inner ring road has been prioritized in the CDP.
- BRTS for Vijayawada has already been approved
- This project is NUTP compliant and is part of the Comprehensive Mobility Plan (CMP)

- The CSMC asked the Project Implementing Agency to explore the possibilities of Additional FAR and Transfer of Development Rights along the project corridor to finance the project partly
- CSMC also suggested to the City to explore the possibilities regarding Land development and Annuity based PPP structuring of the project. It also enquired whether ULB was able to take advantage of increased value of property due to developmental activities.
- The CSMC directed that VGTMDA will maintain the road for 10 years. VGTMDA will also look into the possibility of additional FAR.
- The CSMC expressed concern in implementation of reforms pertaining to simplification of legal and procedural framework for conversion of agricultural land and reuse of recycled water and asked the City to implement these reforms immediately.

(Detailed Presentation at Annexure –III)

With these observations, the CSMC approved the project as under:-

(Rs. in lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	Ist Installment (25% of Central Share)
1.	Vijayawada, Andhra Pradesh	Formation of IRR connecting NH 9 & NH 5 in between the flyovers at Milk project & Ramvarappadu in Vijayawada city	7424.00	3712.00	928.00

6. HYDERABAD - IMPLEMENTATION OF SEWERAGE MASTER PLAN IN SERILINGAMPALLY MUNICIPALITY OF HYDERABAD URBAN AGGLOMERATION

PROJECT:

It was explained that the Municipal Corporation of Serilingampally has an area of 688 square kilometers. It is an important IT hub, wherein offices of all major IT companies are located. Therefore, the sewerage project for this area is a priority. It was mentioned that in the area, there is no sewerage system in place.

Shri Sivaramakrishnan, Member, TAG pointed out that the Corporation should also submit water supply project on priority. The Director, Ministry of Environment & Forests pointed out that there is scarcity of water in Hyderabad

and, therefore, standards should be adopted for discharge of water into water bodies for their protection. Eco-system in Hyderabad was very fragile and should be protected. It was pointed out that the assimilative capacity of water bodies is limited. The quality of discharge should be enhanced. The disinfectant should not contaminate the water bodies which are fragile. The clearance of the Pollution Control Board should be obtained.

The CSMC noted that project would provide for 100% coverage of Serilingampally under sewerage. The project would provide for 62 MLD capacity by 2011. The City further confirmed that O&M costs would be fully covered by Sewrage cess of 35 % of water charges which amounted to Rs. 1 Crore per month. A concern was raised about dry weather flow in the system. The CSMC was informed that self cleansing velocity was ensured in the design.

(Detailed Presentation at Annexure –IV)

With these observations, the CSMC approved the project as under:-

(Rs. in lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	Ist Installment (25% of Central Share)
1.	Hyderabad, Andhra Pradesh	Implementation of Sewerage Master Plan in Serilingampally Municipality of Hyderabad Urban Agglomeration	20038.00	7013.30	490.93 (being 7% of the admissible central assistance)

7. HYDERABAD - COMPREHENSIVE ENERGY AUDIT FOR PUMPING STATIONS UNDER DISTRIBUTION NETWORK OF HMWSSB (ESTIMATED COST 2890.00) MODIFIED TITLE: ACHIEVING ENERGY EFFICIENCY BY REPLACING OLD PUMPING MACHINERY AT HEAD WORKS AND CITY PUMPING STATIONS IN THE LIMITS OF HMWSSB, HYDERABAD AT A COST OF RS. 2890.00 LAKH

The CSMC was informed that the proposal was for Manjeera phase I, II, III where the existing water pumps had become more than 30 years old and needed immediate replacement. These water pumps consume 10 million Kwh per month of power and on replacement one million Kwh per month will be saved and 10% consumption of energy will be saved on replacement these old units. The pay back period was about 6 years. The CSMC enquired why it was not possible to take up the project under PPP mode. It was replied that attempt was made but success could not be achieved.

The CSMC observed that the benefit to the public has not been indicated. It was pointed out that the benefits included lesser number of breakdowns and consequently improvement in overall water supply situation.

The CSMC further desired to know the project was a priority under JNNURM. The Municipal Commissioner stated that he would give the clarifications by next week and accordingly the project was deferred by the CSMC.

UTTAR PRADESH:

REFORM AND PROJECT IMPLEMENTATION STATUS:

The CSMC was informed that Public Disclosure Law and Community Participation Law shall be passed during the current financial year. Implementation of e-Governance was in progress and e-Suvidha in 31 centres was already operational. As regards property tax, house-to-house survey is under process and will be completed in December, 2007.

Out of the twelve Projects sanctioned for Uttar Pradesh, implementation of four projects had started including two in Lucknow and one each in Varanasi and Allahabad.

The CSMC was also informed that release of First Installment of ACA from Ministry of Finance was awaited for three projects approved in the last CSMC meeting.

Work for all the Solid waste Management projects sanctioned for the Cities of Uttar Pradesh shall start by the end of February, 2008

8. KANPUR - SEWERAGE WORK FOR KANPUR CITY (INNER CORE AREA) PROJECT:

The proposed project for the Augmentation and development of sewerage network has been developed as per the Sewerage Master Plan prepared for the City of Kanpur. The City is divided into four Sewerage Districts as per the Master Plan.

District –I: The old City core and North East area of Jajmau

District –II: Old city core area North and area bounded by Kanpur – Jhansi Railway line west and Pandu river in the South

District –III: The Area between River Pandu to the South and between Kanpur-Jhansi Railway line

District –IV: Area between Delhi- Calcutta Railway line to the North, Pandu River to the South and the City Master Plan boundary in the East

The CSMC was appraised that:

- The proposed project would provide for 100% coverage of inner core area of Kanpur

- The project catered to about three and half lac minority population
- Implementation of GIS was likely to result in almost two fold gains in property tax collections
- The total waste water generated in the City is to the tune of 325 MLD at present and it is projected to increase 1035 MLD in the year 2040
- The proposed project covers creation of 43 MLD sewerage treatment capacity in District –I and 15 MLD in District –III covered under the Master plan
- The Main components of the project are:
 - Gravity Sewer Network for 69 Kilometers
 - Raising Main for 9 Kilometers
 - Renovation of existing sewage pumping station –11 Nos
 - Construction of new pumping station – 1 No
 - Renovation of existing sewage treatment plant – 3 No's
- The city also submitted that it is collecting sewer tax and sewer charges amounting to Rs.461.22 Lakh (2006-07)
- O&M charges will be met out of user charges. The proposed tariff charges shall be Rs.2 per kilolitre for consumption upto 10 kilo litre per month and Rs. 4 per kilo litre for consumption between 10 and 20 kilo litre per month and Rs. 6 per kilo litre for consumption of more than 20 kilo litre
- The project shall be completed in 36 Months by December,2010
- The City also stated that the present project will benefit the poorer sections of the people. In the 67 wards, there are 390 slums out of which 250 slums constituting 3 lakh populations will be benefited
- CPHEEO, the appraising agency, pointed out that manpower should be strengthened and trained for O&M work and sewerage. Specific funds should be earmarked for O&M
- CPHEEO further pointed out that the ULB shall charge certain fixed amount for providing sewerage connections to the users. Many of the users do not apply for new connections as they are not in a position to pay

these one time charges. Accordingly, there should be mandatory provision for sewer connection in all future projects. The poor should be exempted from one time connection charges. The ULB should also ensure that there is no overflow of sewerage. The Municipal Corporation agreed to these suggestions. Director, Ministry of Environment & Forests pointed out that environmental issue should be kept in view.

(Detailed Presentation at Annexure –V)

With these observations, the CSMC approved the project as under:-
(Rs. in lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	1st Installment (25% of Central Share)
1.	Kanpur, Uttar Pradesh	Sewerage work for Kanpur city (Inner Core Area)	19088.22	9544.11	954.41 (being 10% of the ACA as per financial phasing)

The meeting ended with vote of thanks to the Chair.

9. PMU and PIU: The proposal received from U.P for setting up of PMU (Programme Management Unit) and PIU (Project Implementation Unit) for seven mission cities of U.P was approved in respect of professional fee for hiring of experts; i.e, Rs.64.8 lac for PMU and Rs. 24 lac each for PIU. The cost in respect of support staff and other charges shall be separately examined by the Mission Directorate. Cost of staff on deputation from Government to PMU/PIU shall not be eligible for funding under the Mission.

MINUTES OF 41st MEETING OF CENTRAL SANCTIONING AND MONITORING COMMITTEE (CSMC), JNNURM HELD ON 11th JANUARY, 2008 AT 10.30 AM

List of participants is annexed.

Secretary (UD) welcomed the participants. Director (NURM), JNNURM presented the projects before the CSMC for consideration.

Key observations made during the meeting were as under:

WEST BENGAL:

KOLKATA:

REFORMS & PROJECT IMPLEMENTATION STATUS:

- Reviewing the progress of the reforms, Secy (UD) asked the City to advance the timelines for all the reforms falling in 2011 - 12.
- The MoA signed by the Kolkata Municipal Corporation clearly captures the timeline for reform on Byelaws for reuse of recycled water. While the City stated that the reform was yet to be implemented, discussion with the State level authorities indicated that this reform had been implemented. It was desired that accomplishment of the reform may be clearly indicated.
- As far as Structural Reforms are concerned, it was pointed out that the State was working out on reforms to be covered under structural reforms. The matter shall be discussed with the Mission Directorate for finalizing details so that they are appropriately reflected in the agreed timelines.
- With regards to Reforms related to policy on encouraging PPP, the City reported that the State has already come out with a State level policy on PPP and a copy of the same shall be communicated to the Mission Directorate for capturing it on the MoA
- The City was requested to submit Quarterly Progress Report on implementation status of projects and reforms ending Quarter -December-2007 by 15th of

January, 2008. The City committed that QPR shall be submitted in the prescribed format within the timeline

1. WATER SUPPLY SCHEME FOR BARRACKPORE AND NORTH BARRACKPORE MUNICIPAL AREAS - KOLKATTA U.A:

PROJECT:

The proposed project is for providing 24 x 7 water supply to Barrackpore and North Barrackpore Municipalities under the Kolkata Metropolitan Urban Agglomeration Area covering a total area of 46 Sq.Km and population of 2,68,059 (2007). The total number of households as on 2001 is around 60,516. The current water supply in the municipalities of Barrackpore and North Barrackpore are at 75lpcd and 101 lpcd respectively. The unaccounted for water (UFW) is about 40%. At present 60% of the households are covered with water supply. And the current project proposes to cover all the population with water supply at the level of 135 lpcd.

It was clarified by the city that:

- Of the total UFW almost 40% is lost in transmission and in the standposts
- The project shall achieve the UFW reduced from the current level of 40% to 15%.
- The city shall introduce 100% metering of all connections. As of now no metering exists for the water supply. Secretary, KMDA stated that, Willingness to pay for water supply is there with the city residents and currently Rs.30 / Household is charged for water supplied
- The reduction of wastage and providing 100% metering, apart from system design, shall ensure 24 X 7 water supply system in both the municipalities
- The city stated that all the stand posts serving mostly the urban poor households shall be removed as the city has been sanctioned a project under

BSUP for provision of house service connections to all urban poor in both the Municipalities.

- The total number of slum population in Barrackpore and North Barrackpore are 34,477 and 24,044 in 106 and 29 slums respectively
- Secretary (UD) asked the appraisal agencies and the representatives of the Ministry of Housing & Urban Poverty Alleviation how are the linkages worked out for synergy and maximising the benefits arising for the city population between the projects sanctioned under BSUP/UG
- CSMC observed that while projects of such nature providing basic services are appraised, the appraisal agencies should look into the linkages between the other projects sanctioned under various schemes and components that will have a bearing on the proposed project
- Director (NURM) pointed out that Benchmarking of Service Delivery Standards are being developed by the Mission Directorate for all the projects sanctioned in key sectors and it will be circulated to all the cities very soon. The Cities committed to adhere to the service level benchmarks for all the projects sanctioned under JNNURM
- The project components in the proposed project are:
 - (i) Raw water Intake with pump house
 - (ii) 15 MGD Water Treatment Plant with 0.75 MG Clear Water Reservoir(CWR)
 - (iii) 0.5 MG CWR for Barrackpore
 - (iv) 9 new Elevated Service Reservoirs (ESR) for Barrackpore
 - (v) 10 new ESRs for North Barrackpore
 - (vi) New primary transmission lines for 54.99 km
 - (vii) New Distribution Network for 96.96 km
 - (viii) And Metering of all the connections
- The project shall start in March, 2008 and time period of completion is 36 months, ie, March 2011

- As far as the Operation & Maintenance cost factored in the project structuring, KMDA assured that it was satisfactory and the O&M revenue shall start increasing from the 4th year of the operation of the water supply scheme
- The commitment regarding water availability has been obtained from the irrigation department for drawal of water from Hooghley river
- The proposed tariff structure for water supplied shall be as follows:

CATEGORY	YEAR 2010 - 11 (In Rs. / KL)	YEAR 2011 -12 (In Rs. / KL)
Proposed Tariff Structure		
Domestic	4.00	5.00
Domestic Bulk	8.25	10.30
Commercial	11.00	13.75
Revenue Generation		
	YEAR 2010 - 11	YEAR 2011 -12
	Rs. 582.29 lakhs	Rs.930.38 lakhs

- The project shall have an IRR of 15.29 and the revenue generation projected shall be Rs.582 lakhs and Rs.930 lakhs in year 2010-11 and 2011-12 respectively

(Detailed presentation is at Annexure - I)

The CSMC approved the project as under :

(Rs in lakh)

Sl.No	Mission City	Project Title/Name	Project cost	Central Share	Ist installment (25% of Central share)
1.	Barrack pore and North Barrack pore Municipal Areas (Kolkata U.A)	Water supply scheme for Barrack pore and North Barrack pore Municipal areas	12,950.88	4,532.81	226.64

MADHYA PRADESH:

UJJAIN:

REFORMS IMPLEMENTATION STATUS:

Reviewing about the status of implementation of reforms, the CSMC observed that :

- Timelines for Reforms related property tax collection efficiency by 90%, provision of basic services to the urban poor, stamp duty rationalization to 5% slated for accomplishment in the year 2011-12 has to be advanced by the city
- The mission directorate is looking into the proposal received from the state regarding Reform on rent control act
- As far as simplification of legal and procedural framework for conversion of agricultural land for non-agricultural purposes is concerned, the rules in the Master plan got amended enabling the District Magistrate to have powers to

approve the applications in this regard within 15 days. Moreover, the permissions are deemed to have been granted.

The City clarified that:

- In terms Stamp Duty Rationalisation, the state levies 8% for men and 6% for women for registration of property and shall reduce the duty by 0.5% every year to reach the 5% level. The CSMC asked the state to advance the timeline. It was also reported by the State that 70% of the property was being registered in name of women
- The State has a scheme called Bhagidari for community participation. The CSMC requested the City to make use of the Community Participation Fund for providing further impetus to community participation.
- The state has committed to achieve Administrative Reforms by the year 2009 -10
- The State has already initiated process to set up Madhya Pradesh Urban Infrastructure Fund with a contribution of Rs.20 Cr and a Consultant has been appointed for finalising the initial process of operationalisation of this entity
- The State is already firming up the PPP policy guidelines and 4- 5 projects under PPP are in the pipeline

PROJECT:

2. STORM WATER DRAINAGE (SWD) FOR UJJAIN CITY:

The proposed project to cover storm water drainage for covering the core city area amounting to 46.78 Sq.Km. The City submitted that large parts of the city suffered extensive damages in 2006 -07 & 2007 -08 incurring a loss of 13 crore.

Taking up the proposal of the Ujjain Municipal Corporation, the CSMC observed that:

- The CDP of UJJAIN does not place a highest priority to Storm water drainage compared to other basic services like water supply, sewerage and sanitation and

Solid Waste Management. Therefore, need for taking up Storm Water Drainage as the first project needed justification

- The CSMC desired to know if the City fell in region with very heavy precipitation. The City replied that it was in moderate region.
- More than that before taking up any project terms of operational and other feasibility point of view water supply issues are addressed first and to meet the waste water discharged a matching capacity for sewerage is created.
- Before taking up any project on Drainage, the city should have sewerage network in place. This would avoid repeated digging

The CSMC deferred the project. It further observed that the Priorities as drawn in the CDP shall be addressed first by the Ujjain Municipal Corporation. The State Government shall also be kept in picture.

INDORE:

2ND ACA

3. CONSTRUCTION OF EIGHT IMPORTANT ROADS AT INDORE: STATUS OF PROJECT IMPLEMENTATION:

The City reported that all the five projects shall be completed within the time line committed

- **Water Supply:** Yeshwant sagar water supply system augmentation scheme - The city reported that the projects is on track and shall be completed by December -2010
- **Sewerage:** Indore Sewerage project shall be completed by December-2008
- **MRTS:** Bus Rapid Transit System - Pilot Project - shall be completed by November -2008
- **Roads/ RoB:** Development of link road from white church to Bypass road - shall be completed by September -2008

- **Roads / RoB:** Development of Master Plan Link Road MR-9, Indore - shall be completed September -2008

As far as the project for which the second ACA proposal was sought by the City, it is clarified that:

- Out of the eight Feeder Roads being constructed under the project, 5 roads are under implementation. Out of that 2 roads are almost nearing completion
- So far the total expenditure incurred is around Rs.11 Cr. The project shall be completed by November-2009

The CSMC approved the 2nd installment for Indore as under:-

Rs in Lakh					
Sl.No.	Mission City/State	Project title/name	Project cost	1 st installment	2 nd installment (25% of central share)
1.	Indore, (Madhya Pradesh)	Construction of 8 important roads in Indore city	4083.35	510.42	510.42

MAHARASHTRA

NANDED:

2ND ACA

So far 10 projects for Nanded have been sanctioned and 1st installment has already been released. Seven projects were sanctioned in July-August 2006. But the physical progress of these projects is not as per the given timeline although the ULB stated that all the projects shall be completed in time except the two sewerage projects. Therefore, Secretary (UD) directed that Deputy Secretary (NURM-II) may visit Nanded to foresee the physical progress of Nanded projects and give a report.

The Matching contribution as ULB share for all the projects was provided and it shall be reflected in the December-2007 ending Quarterly Progress Report. Secretary (UD) asked the ULB to report on the status of physical progress in the QPR. The city was also asked to submit the QPRs timely in the format prescribed by the Mission Directorate

The CSMC approved the release of 2nd installment of the four projects as under:-

4. IMPROVEMENT OF MOVEMENT NETWORKS IN NANDED CITY PACKAGE

III-B

Rs in Lakh

Mission city/State	Project title/name	Project cost	Central Share	2 nd installment (25% of central share)

Nanded, Maharashtra	Improvement of Movement Network Nanded city Package III-B	5815.49	4652.39	1163.10
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5. IMPROVEMENT OF WATER SUPPLY IN NORTH NANDED

Rs in Lakh

Mission city/State	Project title/name	Project cost	Central Share	2 nd installment (25% of central share)
Nanded, Maharashtra	Improvement of water Supply in North Nanded	9087.08	7269.60	1817.50

6. RIVER FRONT DEVELOPMENT, NORTH BANK ZONE-3

Rs in Lakh

Mission city/State	Project title/name	Project cost	Central Share	2 nd installment (25% of central share)
Nanded, Maharashtra	River Front Development North Bank Zone-3	4313.08	3450.46	862.62

7. IMPROVEMENT OF WATER SUPPLY IN SOUTH NANDED

Rs in Lakh

Mission city/State	Project title/name	Project cost	Central Share	2 nd installment (25% of central share)

				share)
Nanded, Maharashtra	Improvement of water supply in South Nanded	4945.00	3956.00	989.00

CHANDIGARH:

CHANDIGARH:

2ND ACA

8. UP-GRADATION OF WATER SUPPLY INFRASTRUCTURE FOR PROPER MONITORING AND AUTOMATION WITH COMPUTERIZED SURVEILLANCE SYSTEM OF CHANDIGARH

STATUS OF REFORM & PROJECTS IMPLEMENTATION:

Two projects for Chandigarh UT have already been sanctioned and first installment of ACA has been released. Release of second installment was sought by the State for *up-gradation of water supply infrastructure for proper monitoring and automation with computerized surveillance system of chandigarh*

- As for the progress in implementation of reforms, it was noticed that the U.T has defaulted in shifting to accrual based double entry accounting system.
- The CSMC asked the city to take action for meeting the timeline for enacting Community Participation Law as it is to be accomplished during the current year, 2007 -08
- The default in enacting the Public Disclosure Law in 2006-07 was noted
- **Property Title Certification system:** As far this reform is concerned, the city has recorded in the MoA signed with MoUD as achieved. The understanding on the property title certification system has not been in the right perspective by the city. Hence, the City was asked by CSMC to initiate dialogue with the Mission

Directorate to draw the roadmap for initiating this reform and committing a timeline for achieving it

- It was brought to the Notice of the City that commitment on reforms on Simplification of legal and procedural frame work for conversion of agricultural land for non agricultural purposes need to be captured without further delay .
- The city was asked to advance the timeline for reforms pertaining to Administrative reforms
- Chandigarh U.T. was asked to report on the immediate action taken on these reforms in terms of default and other inconsistencies in reporting to the Mission Directorate
- It was informed that both the projects are progressing and shall be completed by September-2008
- The City shall submit the physical progress of the projects in the QPR to be reported for the quarter ending December-2007
- For the second project - Conservation of drinking water by harvesting of the tertiary treated sewage for irrigation of green spaces in Chandigarh out of the total of four packages envisaged tenders were processed for two packages
- This project shall be completed by March -2009
- Proposal for release of 2nd installment for other project shall be sent within January 08
- The city shall also report on the actions taken in regard to setting up of PMU/PIU and appointment IRMA for monitoring of projects implementation under JNNURM

With these observations, CSMC approved the release of 2nd installment for Chandigarh U.T. as under subject to satisfactory commitment on defaults to be captured prior to release:-

(Rs in Lakh)

Mission city/State	Project title/name	Project cost	Central Share	2nd installment (25% of central share)
Chandigarh UT	Up-gradation of water supply infrastructure for proper monitoring and automation with computerized surveillance system of Chandigarh.	2026.00	1620.00	405.20

KARNATAKA:

BANGALORE:

STATUS OF REFORM & PROJECTS IMPLEMENTATION:

The Status of Reforms and Project Implementation was reviewed in the 39th CSMC meeting held on 28.11.07 and these projects were also taken up for discussion in earlier meetings of CSMC. The City submitted that the two projects proposed for coverage of underground drainage Byatarayanapura and R.R.Nagar form part of the overall drainage plan of the Bruhat Bangalore Mahanagara Palike (BBMP). It was further stated that:

- The implementation of this projects shall provide 100% coverage of Sewerage in both the local bodies forming part of BBMP. The technical appraisal agency , CPHEEO, also commended the project as technically sound

The CSMC approved the five new project proposals as under:

9.1 UNDER GROUND DRAINAGE WORKS BYATARAYANPURA, BANGALORE

(Rs in Lakh)

Mission City	Project Title/Name	Project cost	Central Share	Ist installment (25% of Central share)
Bangalore, Karnakta	Under Ground Drainage works Byatarayanpura	12517.00	4380.95	1095.23

9.2 UNDER GROUND DRAINAGE SYSTEM AND ROAD RESTORATION FOR ERSTWHILE R.R.NAGAR CMC, BANGALORE

(Rs in Lakh)

Mission City	Project Title/Name	Project cost	Central Share	Ist installment (25% of Central share)
Bangalore, Karnakta	Under Ground Drainage system and road restoration for erstwhile R.R.Nagar CMC,	4153.80	1453.83	174.45 (12% of ACA)

All the following transportation improvement related projects were commended by the Technical appraisal agency, CPWD, as technically viable and a feasible options for improving the transport and traffic conditions of BBMP

- It was assured by the City that all three projects are part of the Comprehensive Mobility Plan prepared recently. All three projects form part of the Ring-road developed
- The BBMP shall submit a copy of Comprehensive Mobility Plan to the Mission Directorate within a week

9.3. CONSTRUCTION OF UNDER PASS AT RING ROAD- KADERINAHALLI JUNCTION, BANGALORE

(Rs in Lakh)

Mission City	Project Title/Name	Project cost	Central Share	Ist installment (25% of Central share)
Bangalore, Karnakta	Construction of Under Pass at Ring Road- Kaderinahalli junction	2486.90	870.41	217.60

9.4. CONSTRUCTION OF UNDER PASS AT RING ROAD-C.N.R.RAO JUNCTION, BANGALORE

(Rs in Lakh)

Mission City	Project Title/Name	Project cost	Central Share	Ist installment (25% of Central share)
Bangalore, Karnakta	Construction of Under Pass at Ring Road- C.N.R.Rao Junction	2260.62	791.21	197.80

9.5 CONSTRUCTION OF UNDER PASS AT RING ROAD-PUTTENAHALLI JUNCTION, BANGALORE

(Rs in Lakh)

Mission City	Project Title/Name	Project cost	Central Share	Ist installment (25% of Central share)
Bangalore, Karnakta	Construction of Under Pass at Ring Road-Puttenahalli Junction	2284.84	799.94	199.92

BANGALORE:

2ND ACA

The CSMC further considered release of 2nd installment of ACA to 3 projects for which proposal was sent by the Bangalore ULB in December, 2007. All these three projects have been examined and utilization certificate was pending from the corporation. The Corporation has given utilization certificate.

The CSMC approved release of 2nd installment for these three projects as under:-

10. UPGRADATION OF SIDEWALK AND ASPHALT WORK OF ROADS AND SURROUNDINGS M.G.ROAD AREA, BANGALORE

(Rs in Lakh)

Mission city/State	Project title/name	Project cost	Central Share	2 nd installment (25% of central share)
Bangalore, Karnataka	Upgradation of sidewalk and asphalt work of roads and surroundings M.G.Road area, Bangalore	4361.16	1526.41	381.60

11. UP GRADATION OF SIDEWALK AND ASPHALT WORK OF ROADS AND SORROUNDINGS OF KORAMANGLA AREA, BANGALORE

(Rs in Lakh)

Mission city/State	Project title/name	Project cost	Central Share	2nd installment (25% of central share)
Bangalore, Karnataka	Up gradation of sidewalk and asphalt work of roads and sorroundingsKoramangla area, Bangalore	5044.90	1765.71	441.43

12. REMODELING OF PRIMARY AND SECONDARY STORM WATER DRAINS IN CHALLAGHATTA VALLEY & I MINOR VALLEY

(Rs in Lakh)

Mission city/State	Project title/name	Project cost	Central Share	2nd installment (25% of central share)
Bangalore, Karnataka	Remodeling of primary and secondary Storm Water Drains in Challaghatta Valley & I Minor Valley	11857.	4149.95	1037.48

UTTAR PRADESH

MEERUT

PROJECT:

13. WATER SUPPLY PROJECT FOR MEERUT CITY:

This project was taken up for consideration by the CSMC in its 33rd meeting and was deferred with certain observations. The ULB was requested to come up again after meeting these requirements/observations. Secretary (UD), Uttar Pradesh who was present during the meeting said that all the observations made by CSMC have been complied with and the proposal has been further appraised by the CPHEEO which is Appraising Agency. She also further clarified that:

- All the 5 SWM projects sanctioned for U.P cities shall start implementation by February-2009
- Status of progress implementation and reforms in the format specified by the Mission Directorate shall be submitted soon
- U.P.Jal Nigam is the project implementing agency for the project. A committee has been constituted consisting of the ULB, U.P.Jal Nigam and the Irrigation Department for the speedier implementation of the project and it is being chaired by the Mayor of Meerut Nagar Nigam
- Availability of land was committed by the State Government and the City.
- Water for the project shall be made available from the upper Ganga canal and the commitment for supply has been obtained from the Irrigation Department
- Replying to the suggestions of the representative of the MoEF for the creation of matching sewerage capacity for addressing the sewage issue related to the execution of the project, the city said that a DPR for sewerage capacity for the

city is ready and will be submitted soon to the Mission Directorate for consideration

With respect to the observations of the CSMC in its 33rd meeting the City committed as under:

- 14.28 Acres of Land is under possession and is sufficient for building the Water treatment plant
- Adequate measures have been taken up for creation of facilities. Over Exploitation of underground water shall be also be observed
- City Council resolution has been obtained for the project for ensuring the metering and user charges
- Land is available for 21 of the 27 reservoirs proposed

The CSMC considered and approved the proposal as under:-

(Rs in Lakh)

Mission City	Project Title/Name	Project cost	Central Share	Ist installment (25% of Central share)
Meerut, Uttar Pradesh	Water Supply Project for Meerut City	27301.00	13650.00	3412.63

PROGRAMME MANAGEMENT UNIT

Three proposals for establishing PMU at the state level were approved by the CSMC as under:

GUJARAT

PMU

14. PROGRAMME MANAGEMENT UNIT - GUJARAT

The proposal received from Gujarat State for setting PMU (Programme Management Unit) at a cost of Rs.31.4 lakh was approved by the CSMC as per guidelines.

PUNJAB

PMU

15. PROGRAMME MANAGEMENT UNIT - PUNJAB

The proposal received from Punjab Government for setting up of PMU (Programme Management Unit) at a cost of Rs.54.08 lakh was also approved by the CSMC as per guidelines.

KARNATAKA

PMU

16. PROGRAMME MANAGEMENT UNIT - KARNATAKA

The CSMC approved the proposal received from Karnataka State for setting up of PMU (Programme Management Unit) at an annual cost of Rs.89.00 lakhs as per guidelines

The meeting ended with vote of thanks to the Chair

K-14012/2/2006-NURM
Government of India
Ministry of Urban Development

New Delhi dated the 7th March, 2008.

Office Memorandum

Subject: Minutes of the 46th Meeting of Central Sanctioning and Monitoring Committee (CSMC) for sanctioning projects under JNNURM held on 22nd February, 2008 at 2.30 PM

The undersigned is directed to forward herewith minutes of 46th Meeting of Central Sanctioning and Monitoring Committee (CSMC) of the Sub Mission on Urban Infrastructure and Governance under Jawaharlal Nehru National Urban Renewal Mission (JNNURM) held on 22.2.2008 at 2.30 P.M. under the chairmanship of Secretary (UD) for information / necessary action.



(S. Kanakambaran)

Under Secretary to the Govt. of India

Tel. 23061081

To

1. Dr. H.S. Anand, Secretary, M/o Housing and Urban Poverty Alleviation, Nirman Bhawan, New Delhi.
2. Dr. Sanjiv Misra, Secretary, M/o Finance (Department of Expenditure), North Block, New Delhi.
3. Shri Harish Chandra, Advisor (HUD), Planning Commission, Yojana Bhawan, New Delhi.
4. Ms. Meena Gupta, Secretary, M/o Environment and Forests, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi.
5. Smt. Veena Chhotray, Secretary, M/o Social Justice and Empowerment, Shastri Bhawan, New Delhi.
6. Dr.R.K. Vats, Joint Secretary & Financial Advisor, Ministry of Urban Development and Ministry of Housing & Urban Poverty Alleviation, Nirman Bhawan, New Delhi
7. J.B. Kshirsagar, Chief Planner, Town and Country Planning Organisation, I.P. Estate, New Delhi.
8. Shri R. Sethuraman, Advisor, Central Public Health & Environmental Engineering Organisation, M/o Urban Development, Nirman Bhawan, New Delhi.

1. The first part of the document is a list of names and addresses of the members of the committee.

2. The second part of the document is a list of names and addresses of the members of the committee.

3. The third part of the document is a list of names and addresses of the members of the committee.

4. The fourth part of the document is a list of names and addresses of the members of the committee.

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10. The tenth part of the document is a list of names and addresses of the members of the committee.

11. The eleventh part of the document is a list of names and addresses of the members of the committee.

12. The twelfth part of the document is a list of names and addresses of the members of the committee.

9. Shri K.L. Dhingra, Chairman-cum-Managing Director, Housing and Urban Development Corporation (HUDCO), India Habitat Centre, Lodhi Road, New Delhi.

Copy to

1. Prime Minister's Office (Attn: Shri Shaleen Kabra, Director, PMO), South Block, New Delhi
2. Shri Ramesh Ramanathan, Founder, Janaagraha Centre for Citizenship & Democracy, 4th floor, UNI Building, Thimmaiah Road, Bangalore (fax : 080 41277104).
3. Shri K.C. Sivaramakrishnan, Ex-Secretary, Ministry of Urban Development, 24, Aradhana Enclave, Sector-13, R.K. Puram, New Delhi
4. Shri O.P. Mathur, Professor, NIPFP, 18/2 Satsang Vihar Marg, Special Institutional Area New Delhi (fax : 26852548)
5. Shri M.P. Vasimalai, Executive Director, DHAN Foundation, 18, Pillayar Kovil Street, S.S. Colony, Madurai-625010
6. Smt. Sheela Patel, Director, Society for the Promotion of Area Resource Centre, 52, Miami Bhula Bhai Desai Road, Mumbai-400026 (Fax: 022 23887566)
7. Prof. R.V. Rama Rao, Chief Project Coordinator, Institute of Development & Planning Studies (IDPS), Visakhapatnam (Fax: 0891-2573294)
8. Dr. K.S.R.V.S. Chalam, Economic Advisor, Ministry of Urban Development, Nirman Bhawan, New Delhi
9. ~~Shri Rajesh Menon, Secretary, M/s LOWE, 901-902, Tower- A, Signature Towers, South City - I, Gurgaon 122001 (Fax: 91124-4150233)~~
10. Dr. Mukesh P. Mathur, Professor in-charge, NIUA, India Habitat Centre, Lodhi Road, New Delhi (fax : 24617513)
11. Ms. Sujatha Srikumar, B-5/20, Second floor, Safdarjung Enclave, New Delhi
12. Shri Cherian Thomas, Senior Director, Infrastructure Development Finance Company Ltd. (IDFC Ltd.), 6th Floor, The Capital Court, Olof Palme Marg, Munirka, New Delhi - 110067
13. Shri Rajesh Mittal, Director, CPWD, Room No. 120 -A Wing, Nirman Bhawan, N. Delhi.
14. Shri S.K. Lohia, Director (UT), M/o Urban Development, Nirman Bhawan, New Delhi
15. Mrs. Esther Kar, Additional Director General, PIB, Room No. 103-B, Shastri Bhawan, New Delhi (fax: 23070601)

1871. The first of these was the "Great
Flood" of 1871, which was a result of
the melting of the glaciers.

The second was the "Great Drought" of 1871,
which was a result of the melting of the glaciers.

The third was the "Great Fire" of 1871,
which was a result of the melting of the glaciers.

The fourth was the "Great Earthquake" of 1871,
which was a result of the melting of the glaciers.

The fifth was the "Great Storm" of 1871,
which was a result of the melting of the glaciers.

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which was a result of the melting of the glaciers.

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which was a result of the melting of the glaciers.

The ninth was the "Great Earthquake" of 1871,
which was a result of the melting of the glaciers.

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which was a result of the melting of the glaciers.

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which was a result of the melting of the glaciers.

The twelfth was the "Great Drought" of 1871,
which was a result of the melting of the glaciers.

The thirteenth was the "Great Fire" of 1871,
which was a result of the melting of the glaciers.

The fourteenth was the "Great Earthquake" of 1871,
which was a result of the melting of the glaciers.

The fifteenth was the "Great Storm" of 1871,
which was a result of the melting of the glaciers.

The sixteenth was the "Great Flood" of 1871,
which was a result of the melting of the glaciers.

The seventeenth was the "Great Drought" of 1871,
which was a result of the melting of the glaciers.

The eighteenth was the "Great Fire" of 1871,
which was a result of the melting of the glaciers.

The nineteenth was the "Great Earthquake" of 1871,
which was a result of the melting of the glaciers.

The twentieth was the "Great Storm" of 1871,
which was a result of the melting of the glaciers.

The twenty-first was the "Great Flood" of 1871,
which was a result of the melting of the glaciers.

The twenty-second was the "Great Drought" of 1871,
which was a result of the melting of the glaciers.

The twenty-third was the "Great Fire" of 1871,
which was a result of the melting of the glaciers.

The twenty-fourth was the "Great Earthquake" of 1871,
which was a result of the melting of the glaciers.

The twenty-fifth was the "Great Storm" of 1871,
which was a result of the melting of the glaciers.

The twenty-sixth was the "Great Flood" of 1871,
which was a result of the melting of the glaciers.

The twenty-seventh was the "Great Drought" of 1871,
which was a result of the melting of the glaciers.

The twenty-eighth was the "Great Fire" of 1871,
which was a result of the melting of the glaciers.

The twenty-ninth was the "Great Earthquake" of 1871,
which was a result of the melting of the glaciers.

The thirtieth was the "Great Storm" of 1871,
which was a result of the melting of the glaciers.

Representatives from State Governments / Cities

1. Shri Vivek Bharadwaj, Special Secretary (UD), West Bengal, DF-8, Sector-I, 'Nagarayan' Salt Lake, Kolkata – 64
2. Shri N. Sehgal, Secretary, Urban Development, Govt. of U.P., Lucknow
3. Shri Barun Kumar Ray, Secretary, K.M.D.A. DD-1, Sector-I, Salt Lake, Kolkata-64
4. Shri Munni Lal Pandey, Nagar Aykat, Allahabad, U.P.
5. Shri A.K. Gupta, Chief Engineer, Directorate of Local Bodies, UP, 8th Floor, Indira Bhawan, Ashok Marg, Lucknow
6. Shri N Y Santre, Municipal Commissioner, Thane Municipal Corporation, Thane 400603
7. Shri K.D. Lalla, City Engineer, Thane Municipal Corporation, Thane
8. Shri Gopal Chakraborty, Chairman, Gaojeshpur Municipality, 3/1173(1), Goojeshpur PO – Gaojeshpur, Distt. Nadia, West Bengal
9. Shri K. Bhabthary, Chairman, Nabhati Municipality, I.R.B.C.R. and Naibati, PIN 24 Paragana, West Bengal
10. Dr. Arun Kumar, Health Officer, Nagar Nigam, Allahabad
11. Shri M.P. Hirlekar, Exe. Engineer, Thane Municipal Corporation, Dr. Almode Road, Manpada, Thane 400602, Maharashtra
12. Shri M.D. Nagvekar, Project Engineer, MWH India Pvt. Ltd. 168, Udyog Bhavan, Sonawala Road, Ceoragaon (E), Mumbai 400064
13. Shri D. Thara, Dy. Municipal Commissioner & Mission-in-charge, Ahmedabad Municipal Corporatio
15. Shri Vinay Deshpande, Tech Director & S.E., Pune Municipal Corporation, Pune

Copy to:

1. PS to Hon'ble UDM
2. Sr. PPS to Secy. (UD)
3. PS to JS (UD)
4. DS-NURM-I
5. DS- NURM-II
6. Technical Cell
7. MIS
8. US-NURM-I
9. US-NURM-II
10. US-NURM-III
11. SO-NURM-I
12. SO-NURM-II
13. SO-NURM-III

MINUTES OF THE 46TH MEETING OF CENTRAL SANCTIONING AND MONITORING COMMITTEE (CSMC) OF SUB-MISSION-I (UIG) UNDER JNNURM HELD IN THE MINISTRY OF URBAN DEVELOPMENT ON 22ND FEBRUARY, 2008 AT 2.30 PM

List of participants is placed at Annexure-VI

Chairing the meeting, Secretary (UD) welcomed the participants. Joint Secretary (UD) presented the projects before the CSMC for consideration.

Key observations and decisions made during the meeting were as under:

MAHARASHTRA:

PUNE

STATUS OF IMPLEMENTATION OF REFORMS:

Presenting the Status of implementation of Reforms, Commissioner, Pune Municipal Corporation, stated as follows:

- The reform related to Revision of Building Bye Laws, committed for the year 2006-07, have already been implemented
- As far as the reforms committed for the year 2007-08, the CSMC noted the slow pace of implementation of E-Governance in PMC. Commissioner, PMC assured the CSMC that this shall be completed during the current year
- Public Disclosure Law has already been enacted and notification issued
- It was stated that the notification related to Community Participation Law shall be issued before March 08
- In the case of the Reform related collection of user charges related to water supply, the City has accomplished 100% collection of water charges covering 100% of all the properties in Pune Municipal Corporation
- Computerization of Registration of Land and property is under implementation
- The City shall take steps for submission of proposals under CPF

- Proposal for constitution of PMU in the State shall be sent to the Mission Directorate for approval and proposal for constitution of IRMA is under process

STATUS OF IMPLEMENTATION OF PROJECTS:

As far as implementation of the projects sanctioned for the City, the CSMC was informed by the Commissioner, PMC that work is progressing in all the nine projects as per the committed timeline. However, Chairman, CSMC, drew the attention of the City towards reports wherein slow progress has been indicated in the QPRs.

Indicating the pace of progress as reported in the QPR, the CSMC observed that:

- Though, the city was the first one to get a project sanctioned for implementation of BRTS, in August, 2006, the progress reported in the project is not up to the mark
- It was informed that present four projects are part of the MRTS and are required to be completed on a priority basis.
- Secy(UD) desired that a review of all BRTS projects be undertaken through a professional agency and report submitted within a reasonable time period
- This will be with a view to learning from experience, bringing in desired improvements also based on international exposure gained by visiting officers and bringing about the desired improvements in the larger interests of the users

1.

PUNE:

PROJECT:

CONSTRUCTION OF PEDESTRIAN SUB-WAY (3 NOS.) AND VEHICULAR UNDERPASS (1 NO) AT NAGAR ROAD, PUNE

The BRTS project sanctioned under UIG component and being implemented by the City has been completed for a total length of 13.20 KM does not have safe pedestrian

crossings and pathways. The lessons learnt during the implementation has forced the City prepare a project for provision of this facilities in the proposed project

- Nagar Road is being developed as a BRT corridor with a ROW of 60 meters
- The proposed 4 subways along this corridor shall facilitate the uninterrupted BRT bus movement and safe cross over for pedestrians
- **Proposed subways are at the following places:**
- Vehicular Sub-way at Ramwadi Junction across BRT-I (Rs. 4.32 crore)
- Pedestrian Sub-way at Viman Nagar (Rs. 0.86 crore)
- Pedestrian Sub-way at Somnath Nagar (Rs. 0.86 crore)
- Pedestrian Sub-way at Kendriya Vidyalaya (Rs. 0.86 crore)
- It was stated that four subways are intended to ensure uninterrupted BRT bus movement and safe crossover of platforms. However the Appraisal Agency pointed out that details of the designs have not been given to assess whether these are disabled friendly etc. Commissioner assured to provide the necessary details

(Detailed presentation at Annexure -I)

The CSMC approved the project as under:

(Rs. in Lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	1 st Installment (25% of Central Share)
1.	Pune- Maharashtra	Construction of pedestrian Subways (3 Nos) and Vehicular Underpass (1No) at Nagar Road	661.00	330.50 (being 50% of approved cost)	82.63 (being 25% of ACA admissible)

2.

PUNE:

PROJECT:

SUB WAY ON WESTERLY BYPASS AT BANER JUNCTION PUNE

The proposed subway shall ease traffic at Baner Junction, near Balewadi Stadium

- The subway passes under National Highway
- Total length of the subway shall be 41 m
- The outer width of the subway shall be 23.5 m
- Height of the subway shall be 5.5 m and two carriageway of 7.5 m with 1.5 m footpath on either side
- The Appraisal Agency commented that proper design has not been made available to see if pedestrian path and cycle path have been included.
- Pune Municipal Commissioner, assured that the design would include pedestrian pathways and cycle tracks

The CSMC approved the project as under:

(Rs. in Lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	1 st Installment (25% of Central Share)
2.	Pune, Maharashtra	Subway on Westerly Bypass at Baner Junction	726.00	363.00 (being 50% of approved cost)	90.75 (being 25% of ACA admissible)

3.

PUNE:

PROJECT:

**CONSTRUCTION OF ALANDI ROAD FROM R&D GATE TO DIGHI OCTROI NAKA
(LENGTH 3.90 KM)**

- The proposed project connects Alandi , an important pilgrim centre , leading to Chakan, the proposed international airport site
- This route also used for the Annual Vari procession
- The key features in the proposed project are: construction of pedestrian paths, lanes for Non-Motorised Transport(NMT), provision for underground utilities
- The total length of Construction of Alandi Road shall be 3.90 km
- The Appraisal agency commented that it is not just a road project, but is being projected as part of the BRTS network. No detailed designing and operational plans for BRTS for this stretch have been provided. Hence the whole project shall have to be restudied to ascertain whether all the Infrastructure facilities like Bus Stand, utility shifting etc has been provided and it conforms to the standards of BRTS. The Commissioner PMC assured that all the operational elements for effective construction and operationalisation of the BRTS shall be looked into

In view of the above comments by the Appraisal Agency,CSMC directed the City to resubmit the project fulfilling all the requisite details.

4.

PUNE:

PROJECT:

APPROACH ROAD TO SANGAMWADI BRIDGE

The proposed project is a link road between BRT -14 Corridor and BRT-12 Corridor on the river side road

- Flexible BT pavement shall be used in the construction of the road

5

- Key features of the road shall be built with a six lane carriage way with pedestrian pathways, lanes for NMTs and provision for utilities in the underground
- The CSMC was also informed by the City that necessary permission and a No-Objection Certificate from Defence is already obtained for construction on the Defence land
- The length of the road shall be 1.0 KM and the width shall be 30 M
- Chairman, CSMC, asked the ULB to undertake a complete review of the sanctioned BRTS projects and should submit to the Mission Directorate as to why these four projects could not be included in the main project itself when it was submitted earlier.
- Chairman, CSMC also asked the ULB to assure that no further new project or components shall be added under BRTS on the functional aspects of the issue. Hence, the review to be carried out by the ULB should fix all the functional issues and clear out all impediments in the operationalisation of the BRTS at the earliest
- Chairman, CSMC also pointed out about the press reports indicating a number of deaths on the elevated bridge. This creates an impression that the design and plan of these bridges were not properly studied before execution
- Chairman also observed that there are number of implementation issues of BRTS in Pune leading to adverse reactions from the media. The project management consultant should be put in place for the BRTS projects urgently
- Putting in place a dedicated project implementation unit for the BRTS project also shall be looked into by the City at the earliest

CSMC approved the project subject to the fulfillment of the conditions as mentioned above:

(Rs. in Lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	1 st Installment (25% of Central Share)
4.	Pune, Maharashtra	Approach Road to Sangamwadi Bridge	782.00	391.00 (being 50% of approved cost)	97.75 (being 25% of ACA admissible)

5.

2nd and 3rd installment of ACA for BRT project, Pune City

This project for Rs 62.32 crore was sanctioned in August 2006 and it was certified, that 218% amount has already been spent and a request for 2nd and 3rd installment together may be approved so that work can be completed as per schedule. The proposal has been examined by the Mission Directorate and is found to be in order.

The CSMC recommended the 2nd and 3rd installment of ACA as under:

Rs. in Lakh

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	2 nd and 3 rd Installment (50% of Central Share)
5.	Pune, Maharashtra	BRT Project for Pune City (Katraj-Swargate-Hadapsar Route (13.6Km)	6232.00	3116.00	1558.00 (as 2 nd and 3 rd installment)

6.

2nd installment of ACA for BRTS project phase-I, Pune city:

This project at a cost of Rs 476.16 crore was sanctioned in March 2007. It was indicated by the City that 87% funds of Central, State and ULB shares have been spent and a request for the 2nd installment has been submitted. The proposal has been examined by the Mission Directorate and found to be in order.

Accordingly the CSMC sanctioned the 2nd installment of ACA for this project as under

Rs. in Lakh

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	2 nd Installment (25% of Central Share)
6.	Pune, Maharashtra	BRT Project for Pune City phase-I	47615.50	23807.75	5951.94

THANE – GREATER MUMBAI U.A

STATUS OF IMPLEMENTATION OF PROJECTS:

So far five projects have been approved for Thane Municipal Corporation falling under the Greater Mumbai Urban Agglomeration.

- Presenting the Status of the Implementation of the projects in Thane, Commissioner, Thane M.C apprised the CSMC that work is progressing as per the committed timeline in all the sanctioned projects. Second installment of ACA for two projects has already been released
- As for the reforms, all the reforms committed for implementation in the current year as per the given timeline has been adhered to. Accrual based double entry accounting system has already been introduced

- Training Programmes have also been arranged in all the JNNURM towns
- Pertaining to reforms on Property tax coverage, the City has achieved 75% coverage and recovery stands at 95% for the year 2007-08
- The City reported about structuring of some of the projects under the PPP mode. Secretary (UD) desired that the city shall submit a brief of such projects taken up under PPP mode and sent to the Mission Directorate. Commissioner, TMC agreed to send the documentation by the end of Feb 08

7.

THANE – GREATER MUMBAI U.A

PROJECT:

SEWERAGE SYSTEM PROJECT-PHASE II FOR THANE CITY

The City Master Plan for coverage of sewerage is divided into Phase-I, II, III & IV covering an area of 42.20, 37.83, 16.10, 32.22 Sq.Km respectively totaling 128.34 Sq.km

- Phase- I of the project was sanctioned already under JNNURM and is under implementation
- The current proposal for coverage of sewerage under Phase –II and Phase-III shall provide a total coverage of 75% of the total area. And the DPR for the Phase –IV is under preparation and that will cover the remaining 25% of Sewerage
- Under these two Phases of the projects, a total length of 122.19 km of sewers shall be laid

- In the first phase 7 pumping stations and 1 STP with a capacity of 100 MLD shall be constructed
- In the second phase 3 pumping stations and 1 STP with a capacity of 35 MLD shall be constructed
- The Sewerage Contributing Catchment Area were calculated using the Topographical Field Survey of contours
- The Estimated O/M cost for Phase –II and Phase-III in the year 2011 – 12 are 959 lakh and 285 lakh respectively
- The proposed collection of revenue from sewerage tax in Phase – II and Phase –III in the year 2011 – 12 shall be Rs.2,424 lakh and 603 lakh respectively
- The CSMC was informed by the Thane Municipal Corporation about the ULB resolution to collect Sewerage tax amounting to 50% of the water charges for all households and 25% of the water charges for the slum dwellers
- The City shall implement the Standardised Service Delivery Benchmarking Standards (SSLB) being developed by the Mission Directorate and circulated to the ULB after commissioning of the project to ensure the project benefits are reaching to the public with the acceptable level of standards
- The project shall start in March 08 and completed in 36 months, by March- 2011
- The ULB assured the CSMC that in regards to counter part funding sufficient budget provision in the State and ULB Budgets has been already allocated
- The projects have been designed for a period of 30 years

The CSMC, approved the project subject to the above observations and conditions of the appraisal agency as under:

(Detailed presentation at Annexure –II)

(Rs. In Lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	1 st Installment (25% of Central Share)
7.	Thane (UA of Greater Mumbai)	Sewerage System project – Phase II for Thane city	14009.00	4903.15 (being 35%)	1225.79 (being 25%)

8.

THANE – GREATER MUMBAI U.A

PROJECT:

SEWERAGE SYSTEM PROJECT-PHASE III FOR THANE CITY

- The Estimated O/M cost for Phase-III in the year 2011 – 12 shall be Rs.285 lakhs
- The proposed collection of revenue from sewerage tax in Phase –III in the year 2011 – 12 shall be Rs. 603 lakh

The CSMC, approved the project subject to the above observations and conditions of the appraisal agency as under:

(Detailed presentation at Annexure –II)

(Rs. In Lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	1 st Installment (25% of Central Share)
8.	Thane (UA of Greater Mumbai)	Sewerage System project – Phase III for Thane city	4181.00	1463.35 (being 35%)	365.84 (being 25%)

9.

THANE – GREATER MUMBAI U.A**RELEASE OF 2ND ACA:****PROJECT:****THANE RAILWAY SYSTEM AREA TRAFFIC IMPROVEMENT SCHEME**

The CSMC also considered proposal for release of 2nd installment of ACA to Thane Railway System Area Traffic Improvement Scheme (SATIS). The ULB has certified that more than 70% of the first installment including Central, State and ULB share has already been exhausted and work is in progress. In order to completed the project as per indicated time line request for 2nd installment of ACA has been made. The proposal was found to be in order.

The CSMC approved the release of 2nd installment of ACA for this project as under:

(Rs. In Lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	2 nd Installment (25% of Central Share)
9.	Thane (UA of Greater Mumbai)	Thane Railway System Area Traffic Improvement Scheme (SATIS)	2325.00	813.75	203.44 (being 25% of the ACA)

WEST BENGAL:

STATUS OF IMPLEMENTATION OF PROJECTS:

- 18 projects have been sanctioned so far for two cities of Kolkatta and Asansol in West Bengal
- CSMC pointed out that the implementation of these projects is very sluggish and needed to be speed up. Responding to the Secretary (UD), West Bengal, Govt. informed that all the projects are progressing and shall be completed as per the committed timeline. He also pointed out in this regard that the CSMC has sanctioned second installment of ACA for five projects and more requests for second installments shall be submitted soon for other projects also to speed up the pace of implementation
- It was also informed by the Secretary (UD), West Bengal, Government that IRMA is being processed and shall be sent to the Mission Directorate for approval soon
- As for the reforms, all commitments for the year 2006-07 have been met and the Secretary (UD), West Bengal, Government assured that all reforms committed for accomplishing in the year 2007-08 shall be implemented as per the given timeline

10.

KOLKATA

PROJECT:

DPR FOR SURFACE WATER SUPPLY SCHEME FOR MUNICIPAL TOWNS OF NAIHATI, HALISAHAR, KANCHRAPARA, GAYESHPUR AND UNCOVERED AREAS OF KALYANI, KOLKATA

- There are 41 ULBs in Kolkata (U.A) out of which 3 are Municipal Corporations. In the present project proposed 5 adjoining ULBs to these municipal corporations are covered for provision of water supply. Total area of the 5 ULBs is 66.79 Sq.Km with a current population of 6.03 lakh
- The water supply available at present is only 66 lpcd water. The projected demand for water shall be 113 MLD in 2010
- At present the ground water supplied has become totally unreliable and the quality also deteriorated and Arsenic contamination also found in the water drawn for supply
- The rate of Unaccounted for Water is in the range of 30-45%
- To solve the problem, a 155 MLD Water Treatment Plant (WTP) has been taken up which shall be completed by 2008
- This project under Mega Cities Scheme provides for construction of source generation of water for 5 ULBs and water distribution mains to part of the Kalyani Municipality.
- But for supplying treated surface water to these 5 ULBs requires development and augmentation of water supply infrastructure
- The project propos shall augment the water supply infrastructure by building Conveyance Main, Transmission Main, Under Ground Reservoir, Elevated Reservoir and Distribution Network
- On completion of the project, 24X7 surface water supply with metering shall be assured. Water tariff will be on a volumetric consumption basis
- The project shall be integrated with the BSUP project sanctioned already in all the 5 ULBs.
- At present sewerage handling is not adequate and additional sewerage capacity shall be increased to meet the sewerage generated. State Government assured that

project for augmenting additional sewerage capacity shall be sent to the Mission Directorate for consideration

- The proposed cost of the project is Rs.14, 194 lakh and the project shall start by March, 2008 and shall be completed in 24 months
- Bulk Metering for every District Metering Area shall be provided to check and reduce the UFW to below 15% in the project area
- Metering of all the water supply connections shall be executed under the project
- The approval for the project has been obtained from the ULB
- The water charges shall be Rs 1.5/kl for slums and commercial charges shall be Rs 18/Kl with 15% increase in every 5 years. Resolution for user charges collection has been passed by the ULB
- On completion, Municipal Corporation shall be taking charge of the Operation and Maintenance of the project
- The City also reported that at present only 90,000 people pay water charges on flat rate basis but on completion of the project all houses will pay water charges

The CSMC approved the projects subject to observations made as above, as under:

(Detailed presentation at Annexure –III)

(Rs. In Lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	1 st Installment (25% of Central Share)
10.	Kolkata, U.A.	DPR for surface Water Supply Scheme for Municipal Towns of Naihati, Halisahar, Kanchrapara, Gayeshpur and uncovered areas of Kalyani, Kolkata	14194.25	4967.98 (Being 35%)	248.40 (Being 5%)

UTTAR PRADESH:

STATUS OF IMPLEMENTATION OF PROJECTS:

- The CSMC expressed its concern on the slow pace of progress in all the 14 projects sanctioned for the 7 Mission Cities in Uttar Pradesh
- Principal Secretary (Urban Development), Uttar Pradesh stated that now work on all the projects sanctioned is progressing and assured to send the request for accessing the 2nd installment of ACA in respect of at least 7 projects by the first week of March 08. Secretary (UD) stated that no new project from Uttar Pradesh shall be taken up for consideration till the progress of the already sanctioned projects is satisfactory. The Principal Secretary assured the CSMC that suitable action shall be taken to start all the projects by 15th March 08 and a report shall be sent to the Mission Directorate
- The Uttar Pradesh Government was further requested to accomplish all the commitments related to reforms and projects before the 2nd installment is granted
 - Secretary (UD) directed the Assistant Advisor (PHE), CPHEEO to make a visit to all the projects sanctioned in the 7 mission cities of Uttar Pradesh every 3 months and submit a report on the status of implementation of projects to the Mission Directorate for apprising to the CSMC

11.

ALLHABAD:

PROJECT:

SOLID WASTE MANAGEMENT ALLAHABAD

- The population of Allahabad is 13.39 lakh and the total area covered under the city is 70.05 Sq.Km in 80 wards

- Total length of the Roads to be covered shall be 1774 kilometer. The city currently has 47 open dumps and 160 collection bins
- The Nallahs and Storm Water drains of the city currently are choked due to dumping of solid waste
- The City on its roll ,1872 permanent and 470 contract labourers engaged in the solid waste management operations
- The total quantity of solid waste generated currently is around 577.78 MT per day amounting to a per-capita generation of 0.4313 kg/day/person
- Different type of waste such as Bio degradable, recyclable, construction waste, mixed and street waste is created. The present system of collection of waste is primitive, insufficient and un-scientific
- The City proposes to have an Integrated solid waste management through adoption of following means
- It shall comply with the MSW Handling Rules, 2000
- City shall advocate and enforce segregation at source
- Secretary (UD) enquired how the City shall ensure that twin bin system would actually not fall in disuse. The City and the State Government representative assured that this would be assured
- Collection and Transportation of waste shall be covered and not exposed
- Manual handling of waste shall be avoided
- Maximum resource recovery from the waste shall be put in place
- The City shall conduct regular internal and external audit on the efficiency of the SWM system in operation
- The City shall do collection and construction of compost plant under PPP options

- The ULB was advised to try different combinations of transportation
- The components under the proposed project are:
 - Waste Collection and Waste Handling – Better designed Rickshaws and Handcarts/ Hand Burrows
 - Waste Storage – Dumper Containers and Storage Bins
 - Waste Transportation – Refuse Collectors, Compactor trucks, Dumper Placers
 - Waste Disposal – 300 TPD Compost Plant and Scientifically engineered Landfill
- The proposed landfill site (area 27.04 Ha) shall be built at Gram Bawsar, Tehsil Karchhana
- CSMC asked the State to review the project and let the Mission Directorate apprised of the facts on its sustainability in the long run
- The City shall meet the O&M expenses from the collection of user charges
- Project shall be completed in 18 months

The CSMC approved the project subject to the above and the observations by the appraisal agency as under:

(Detailed presentation at Annexure –IV)

(Rs in lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	1 st Installment (25% of Central Share)
11.	Allahabad/ Uttar Pradesh	Solid Waste Management, Allahabad	3041.49	1520.74	380.18 (as per the financial phasing during financial year 2007-08)

12.

AGRA:

PROJECT:

WATER SUPPLY FOR AGRA CITY

- The Current Population of Agra is 14.19 lakh with a projected demand for water at 217 MLD at the rate of 172.50 lpcd
- The project is identified in the CDP of Agra
- 33% of the current population of Agra lives in 252 slums amounting to 5.6 lakhs and the SC/ST population is 21% of the total population
- The proposed project covers the following components:

A. New Zonal Pumping station of Ghatwassan Zone-II consists of the following

- (a) Two O.H.T.'s 2100 KL & 1500 KL
- (b) Two C.W.R.'s 700 KL & 500 KL
- (c) Feeder main of 350 & 300 mm dia

(d) Pumping Plants & other work.

B. Construction of Zonal Pumping station at Subhash Park (Nai Ki Mandi) consists of the following :-

- a. Over Head Tank of 2300 K.L capacity 1 No
- b. Clear Water Reservoir of 600 KL capacity 1 No.
- c. Feeder mains of 300 mm diameter
- d. E/M Works for Pumping Station Job

C. Distribution System and appurtenant works

D. Repairing of Old Water Tanks

E. Repairing of old Clear Water Reservoirs

F. Automation of water treatment plants including installation of SCADA

G. Renovation of the existing rising mains

F. Installation of Leak Detection equipments

- It was also informed by the City that an amount of Rs. 350.00 Lakh has already been released by the State Govt for this project
- The project shall be completed in a period of 26 months
- The project shall ensure 100% coverage of water supply in Agra Municipal Corporation

The CSMC approved the project subject to the above and the observations by the appraisal agency as under:

(Detailed presentation at Annexure -V)

(Rs in lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	1 st Installment (25% of Central Share)
12.	Agra, Uttar Pradesh	Agra Water Supply	8270.50	4135.25	1033.81

2ND AND 3RD INSTALLMENTS OF ADDITIONAL CENTRAL ASSISTANCE

AHMEDABAD

Ahmedabad city has submitted 11 projects for release of 2nd installment (4 cases) and 3rd installment (7 cases) for which 1st /2nd installment has already been released. It has been stated that more than 50% - 75% of the total cost of the project has already been utilised. Request for release of 2nd/3rd installment of ACA has been made so that works can be completed within committed time period. Commissioner AMC made assurances in writing about the pending requirements and the CSMC sanctioned the release of these installments as under:

2nd installment

13.

The CSMC noted the necessary level of expenditure attained by the City in the project taking into account Central, State and ULB share and reviewed the status of implementation of reforms at length and approved the release of second installment.

The CSMC approved the proposal as under:

(Rs in lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	2 nd Installment (25% of Central Share)
13.	Ahmedabad, Gujarat	Sewage Treatment Plant at Pirana	6922.00	2422.70	605.68 (as 2 nd installment)

14.

The CSMC noted the necessary level of expenditure attained by the City in the project taking into account Central, State and ULB share and reviewed the status of implementation of reforms at length and approved the release of second installment.

The CSMC approved the proposal as under:

(Rs. In Lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	2 nd Installment (25% of Central Share)
14	Ahmedabad, Gujarat	Construction of six lane flyover bridge on 132 ring road on Memnagar junction	1513.00	529.55	127.28 (as 2 nd installment)

15.

The CSMC noted the necessary level of expenditure attained by the City in the project taking into account Central, State and ULB share and reviewed the status of implementation of reforms at length and approved the release of second installment.

The CSMC approved the proposal as under:

(Rs in lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	2 nd Installment (25% of Central Share)
15.	Ahmedabad, Gujarat	Construction of four lane road over bridge on Ahmedabad-Mumbai B.G. Railway line at Ambala Tube Crossing on 120 road between Station Vatva and Maninagar	1500.00	525.00	131.00 (as 2 nd installment)

16.

The CSMC noted the necessary level of expenditure attained by the City in the project taking into account Central, State and ULB share and reviewed the status of implementation of reforms at length and approved the release of second installment.

The CSMC approved the proposal as under:

(Rs in lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	2 nd Installment (25% of Central Share)
16.	Ahmedabad, Gujarat	Construction of six lane flyover bridge on 132 ring road on Sola junction	1857.00	649.95	162.00 (as 2 nd installment)

3rd Installment

17.

The CSMC noted the necessary level of expenditure attained by the City in the project taking into account Central, State and ULB share and reviewed the status of implementation of reforms at length and approved the release of third installment.

The CSMC approved the proposal as under:

(Rs. In Lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	3 rd Installment
17.	Ahmedabad, Gujarat	Construction of Railway over bridge on Ahmedabad botad M.G. Railway line at Shreyas crossing on 122 F.T. Ring Road	1212.00	424.20	106.05 (as 3 rd installment)

18.

The CSMC noted the necessary level of expenditure attained by the City in the project taking into account Central, State and ULB share and reviewed the status of implementation of reforms at length and approved the release of third installment.

The CSMC approved the proposal as under:

(Rs. In Lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	3 rd Installment
18.	Ahmedabad, Gujarat	Construction of four lane flyover bridge on 132 ring road on shivranjani junction	1670.00	584.50	146.13 (as 3 rd installment)

19.

The CSMC noted the necessary level of expenditure attained by the City in the project taking into account Central, State and ULB share and reviewed the status of implementation of reforms at length and approved the release of third installment.

The CSMC approved the proposal as under:

(Rs. In Lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	3 rd Installment
19.	Ahmedabad, Gujarat	Construction of 4 lane ROB on Sabarmati-viramgam B.G. Railway line near Chankyapuri	2011.00	703.00	175.96 (as 3 rd installment)

20.

The CSMC noted the necessary level of expenditure attained by the City in the project taking into account Central, State and ULB share and reviewed the status of implementation of reforms at length and approved the release of second installment.

The CSMC approved the proposal as under:

(Rs. In Lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	3 rd Installment
20.	Ahmedabad, Gujarat	Pipelines from Narmada Main Canal to Kotarpur W.T.P.; 330 MLD capacity intake well in Sabarmati river near Kotarpur; water treatment plant at Raska	5383.25	1884.14	471.03 (as 3 rd installment)

21.

The CSMC noted the necessary level of expenditure attained by the City in the project taking into account Central, State and ULB share and reviewed the status of implementation of reforms at length and approved the release of third installment.

The CSMC approved the proposal as under:

(Rs in lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	3 rd Installment
21.	Ahmedabad, Gujarat	Construction of Major and minor radial roads phase-I in AUDA Area	5013.00	1754.00	438.64 (as 3 rd installment)

22.

The CSMC noted the necessary level of expenditure attained by the City in the project taking into account Central, State and ULB share and reviewed the status of implementation of reforms at length and approved the release of third installment.

The CSMC approved the proposal as under:

(Rs in lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	3 rd Installment
22.	Ahmedabad, Gujarat	Construction of ROB on Ahmedabad Mumbai B.G. Line (Daxini Society ROB between Maninagar and Vatva Rly. Stn.	2144.00	750.00	187.60 (as 3 rd installment)

23.

The CSMC noted the necessary level of expenditure attained by the City in the project taking into account Central, State and ULB share and reviewed the status of implementation of reforms at length and approved the release of third installment.

The CSMC approved the proposal as under:

(Rs in lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	3 rd Installment
23.	Ahmedabad, Gujarat	Construction of Four lane bridge across Sabarmati river connecting Vasna & Pirana 122 road	2955.00	1034.25	258.56 (as 3 rd installment)

2nd & 3rd Installments of Additional Central Assistance:

24.

Hyderabad:

First installment of additional central assistance for three projects has already been released to Hyderabad. Now Hyderabad has given the utilization certificate stating that more than 75% of the funds including centre, state and ULB share, has already been consumed and requested for 2nd and 3rd installment of ACA. The proposals have been examined in the Directorate and found in order.

The CSMC approved the release of 2nd and 3rd installment of ACA as under:

(Rs in lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	2 nd & 3 rd Installments
24.	Hyderabad, Andhra Pradesh	Flyover at Green Land Junction	1727.00	604.00	223.03 (as 2 nd and 3 rd installment)

25.

The CSMC noted the necessary level of expenditure attained by the City in the project taking into account Central, State and ULB share and reviewed the status of implementation of reforms at length and approved the release of second & third installment.

The CSMC approved the release of 2nd and 3rd installment of ACA as under:

(Rs in lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	2 nd & 3 rd Installments
25.	Hyderabad, Andhra Pradesh	Flyover at Rajiv Gandhi Statue Panjagutta – NFCL Junction	3300.00	1155.00	576.00 (as 2 nd and 3 rd installment)

26.

The CSMC noted the necessary level of expenditure attained by the City in the project taking into account Central, State and ULB share and reviewed the status of implementation of reforms at length and approved the release of second & third installment.

The CSMC approved the release of 2nd and 3rd installment of ACA as under:

(Rs in lakh)

Sl. No.	Mission City/ State	Project Title/name	Project Cost	Central Share	2 nd & 3 rd Installments
26.	Hyderabad, Andhra Pradesh	Flyover at Chandrayangutta Junction	1100.00	385.00	177.59 (as 2 nd and 3 rd installment)

PROPOSAL FOR ESTABLISHING INDEPENDENT REVIEW AND MONITORING AGENCY (IRMA):

RAJASATHAN:

27.

As per the examination of the proposal in detail sent by the State Level Nodal Agency (SLNA) the conditions of approval for appointment of IRMA in the State are as follows:

- SLNA should submit the SLSC approval on the selection and appointment of IRMA
- The maximum allowable cost per project for review of project documentation shall not exceed Rs.1.6 lakh
- The Cost payable per visit to project site shall be Rs.44,000
- The visits proposed by the IRMA shall be in accordance with the Toolkit issued by the Mission Directorate
- The Scope of Work of IRMA shall be as per the Toolkit

The CSMC approved the proposal as under:-

(Rs in lakh)

Sl. No.	Mission City/ State	Project Title/name	Cost of Review per Project	Rate per visit to Project Site
27.	Rajasthan	Independent Review and Monitoring Agency (IRMA)	1.6	0.44

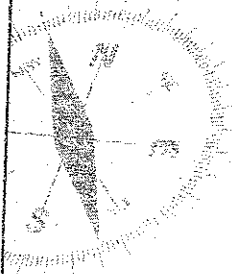
The meeting ended with thanks to the Chair.

Project Proposals for Funding under JNNURM

Presentation to the

Central Sanctioning & Monitoring Committee

Jn NURM



Pravinsinh Pardeshi, IAS
Municipal Commissioner
Pune Municipal Corporation

February 22, 2008
New Delhi

Summary of CDP Proposals & Projects Approved under JNNURM till date

Figures are in Rs. Crore

Sector	Base Cost (2005-06 Prices)	Approved Investments under JNNURM	Balance	CSCMC Approval being Sought
1 Water Supply	295.00	-	295.00	-
2 Sewerage & Sanitation	669.00	86.13	582.87	-
3 Transport Infrastructure	2,129.00	807.12	1,321.88	62.82
4 Storm Water Drainage	632.00	-	632.00	-
5 Street Lights	11.00	-	11.00	-
6 Solid Waste Management	62.00	-	62.00	-
7 Urban Poor/ Slums	789.00	390.64	398.36	-
8 Land use/ Dev. Planning	196.00	-	196.00	-
9 Others (incl. lake / river improvement)	1,290.00	197.74	1,092.26	-
Total	6,073.00	1,481.64	4,591.37	62.82

Pune Municipal Corporation

Jn NURM

Pune Municipal Corporation
Jn NURM





List of Projects Sanctioned under JNNURM

Figures are in Rs. Crore

Sl.	Particulars	JNNURM Project Id	Approved Project Cost	Sector Total
1	Road Network & Urban Transport (Pilot BRT)	PUN-001	62.32	Urban Trans. 807.13
2	Bus Rapid Transport system (Development of Infrastructure for Commonwealth Youth Games, 2008)	PUN-019	268.65	
3	Bus Rapid Transit (Phase I) for Pune city	PUN-021	476.16	
4	Augmentation and Upgradation of Sewage Treatment Plants and Pumping Station	PUN-002	86.13	86.13
5	Construction and Improvement of Drains to prevent contamination of natural water bodies and development of Heritage sites along in Pune (Environmental Restoration/ Preservation of Mula Mutha River Ecosystems)	PUN-003	99.96	River & Water Bodies Improvement 197.74
6	Renewal and Management of Sewerage and Drainage Disposal System in Pune (Augmentation of Werts, Restoration of Lakes Bio-remediation and Landscaping of Nalla and Rivers)	PUN-004	97.78	
Total Sub-Mission I (UI&G)			1,091.00	
6	Rehabilitation of Urban Poor under Sub-Mission II (BSUP)		390.64	
Total			1,481.64	

Summary of Funds Received & Utilization

Figures are in Rs. Crore

Sl	Code	Sanc. Cost	First Installment Received				Amount Utilized	
			GoI	GoM	PMC	Total		
1	Pilot BRT	PUN-001	62.32	7.79	3.12	4.67	15.58	33.92
2	CYG Infrastructure	PUN-019	268.65	132.58	40.00	60.00	232.58	19.17
3	BRTS Phase I	PUN-021	476.16	59.52	3.75	35.71	90.38	86.22
4	Sewerage	PUN-002	86.13	11.30	3.77	6.46	21.53	37.12
5	River Improvement	PUN-003	99.96	12.50	5.00	7.50	24.99	9.18
6	Nallah Improvement	PUN-004	97.78	12.22	4.89	7.33	24.45	16.92
Sub-Total			1,091.00	236.91	60.52	121.67	409.51	202.52
7	BSUP		390.64	40.35	11.35	12.93	64.63	19.50
Total			1,481.64	276.27	71.87	134.60	474.14	222.02

48% of the total first installment utilized till date

Current Proposal

► 4 New DPRs – Rs. 62.82 crore

Figures are in Rs. Crore

Sl.	Particulars	Estimated Project Cost
1	DPR for Construction of 4 Sub-Ways on Nagar Road (CYG-BRTS)	6.90
2	DPR for Construction of vehicular Sub-Way at Baner	7.64
3	DPR for Improvement & Strengthening of New Alandi Road	39.43
4	DPR for Construction of Approach Road to Sangamwadi Bridge (CYG Infrastructure Improvement)	8.85
Total		62.82

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Current Proposal ... contd.

► Claim for 2nd & 3rd Installment

Figures are in Rs. Crore

Project	Code	Sanc. Cost	First Installment Received				Amount Utilized	% Utilization	Claims - Installment No.		
			GoI	GoM	PMC	Total			2	3	Total
Pilot BRT	PUN-001	62.32	7.79	3.12	4.67	15.58	33.92	218%	7.79	7.79	15.58
BRTS Phase I	PUN-021	476.16	59.52	3.75	35.71	99.38	66.22	87%	59.52		59.52
Total									67.31	7.79	75.10

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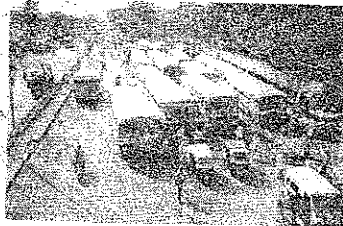
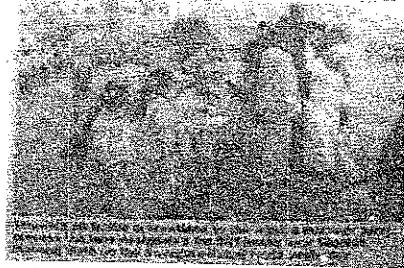
Pune Municipal Corporation

Jv n u r m



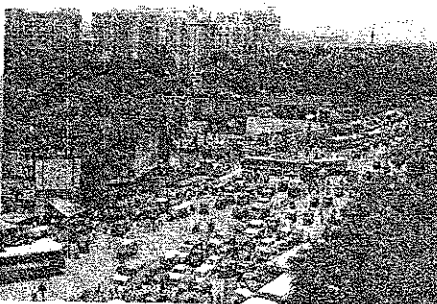
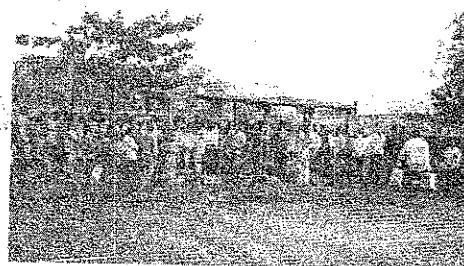
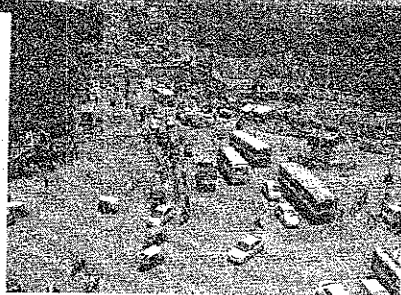
Need for Sub-ways

- ▶ PMC has implemented the Pilot BRT measuring about 13.20 km (BRT-1 & BRT-2) that is approved under JNNURM
- ▶ One of the key learning from the Pilot BRT is the need for providing safe pedestrian crossings



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Need for Sub-ways



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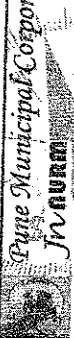
OPR for Construction of 4 Sub-Ways on Nagar Road (CYG-BRTS)

1

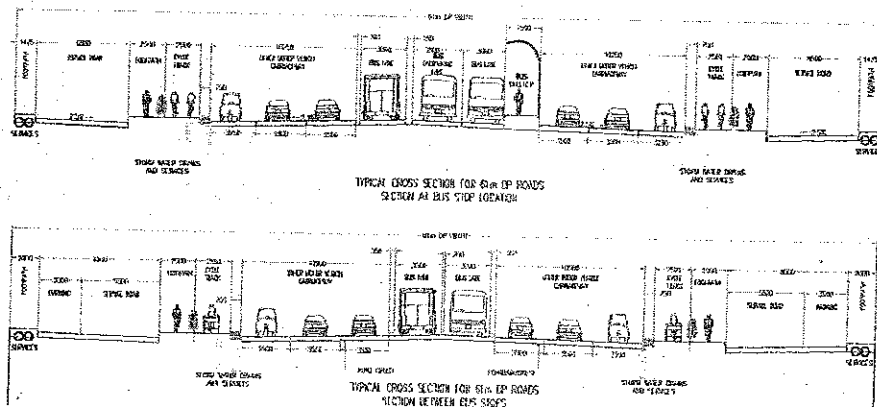
- ▶ Nagar Road is being developed as a BRT corridor (BRT 4) – it has a 60 meter RoW
- ▶ Proposals are intended to ensure uninterrupted BRT bus movement and safe cross-over of pedestrians
- ▶ Proposals include:
 - Vehicular Sub-way at Ramwadi Junction across BRT-(i) (Rs. 4.32 crore)
 - Pedestrian Sub-way at Viman Nagar (Rs. 0.86 crore)
 - Pedestrian Sub-way at Somnath Nagar (Rs. 0.86 crore)
 - Pedestrian Sub-way at Kendriya Vidyalaya (Rs. 0.86 crore)
- ▶ Total Estimated Project Cost is Rs. 6.90 crore

 Link to Map

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Width (60-m) RoW of Nagar Road – need for Pedestrian Sub-ways



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Jn NURM



PRR for Construction of Sub-Way at Baner

2

- ▶ Sub-way to ease traffic at Baner Junction, near Balewadi Stadium

 [Link to Map](#)

- ▶ Subway to pass under National Highway – direction is from Pune towards Balewadi Stadium

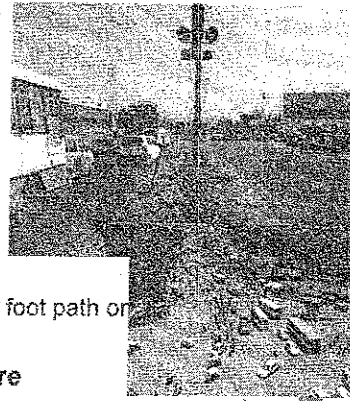
- ▶ Total length of the sub-way – 41m

- ▶ Width – 23.5 meters (outer)

▶ Features

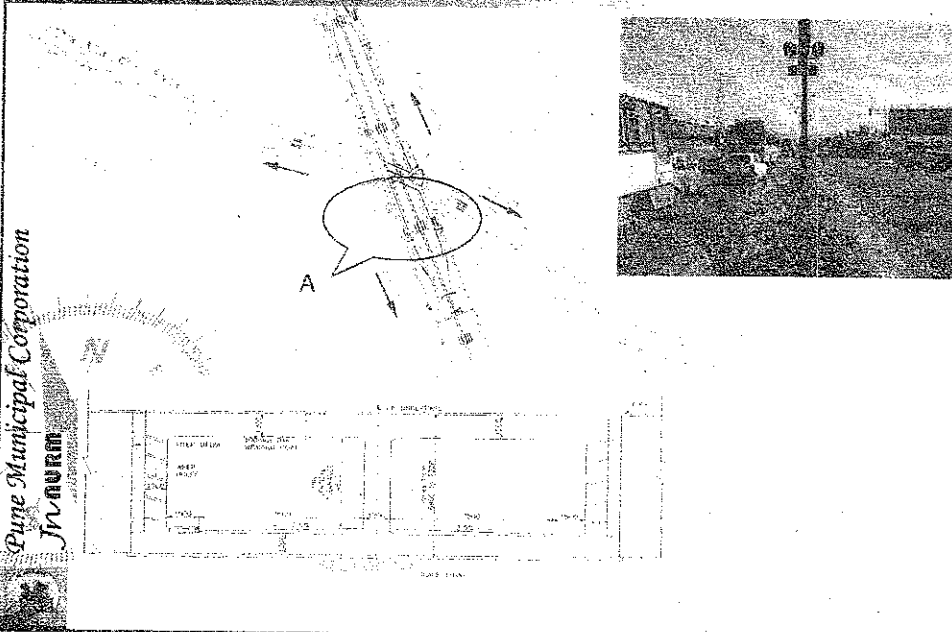
- Height – 5.5 meteres
- 2 X 7.5 meter carriageway with 1.5 meter foot path on

- ▶ Estimated Project Cost is Rs. 7.64 crore



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Sub-Way at Baner



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Jn nurn

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Jn nurn





BRT for Improvement & Strengthening of New Alandi Road

- ▶ Extension of approved BRT Corridor from Bombay Sappers to Vishrantvadi (BRT-3) which is 3 km long upto PMC limit
- ▶ Road Length – 3.90 km (new length of corridor is 6.9 m in PMC limits and continues as BRT corridor in PCMC limit – 9 km)
- ▶ Width – 30 meters
- ▶ PQC Pavement
- ▶ Significance of Road
 - Connects with Alandi, an important pilgrim center – further leads to Chakan, proposed International Airport site
 - Route for annual Vari Procession
 - Onward road in PCMC limits is also being developed upto Alandi
- ▶ Estimated Project Cost is Rs. 39.43 crore
 - Key features include Pedestrian paths, NMT lane, underground utility provisions and BRT provision

3

[Link to Map](#)

BRT for Construction of Approach Road to Sangamwadi Bridge (CYG Infrastructure Improvement)

- ▶ Connecting Link between BRT 14 and River-side Road (BRT 12), and approach to Sangamwadi Bridge – proposal was deferred due to non availability of defense land
- ▶ NoC from Defense Land received
- ▶ Length of Road – 1.0 km
- ▶ Width – 30 meters
- ▶ Flexible (BT) Pavement
- ▶ Estimated Project Cost is Rs. 8.85 crore
 - Key features include 6-lane carriageway, Pedestrian paths, NMT lane & underground utility provisions

4

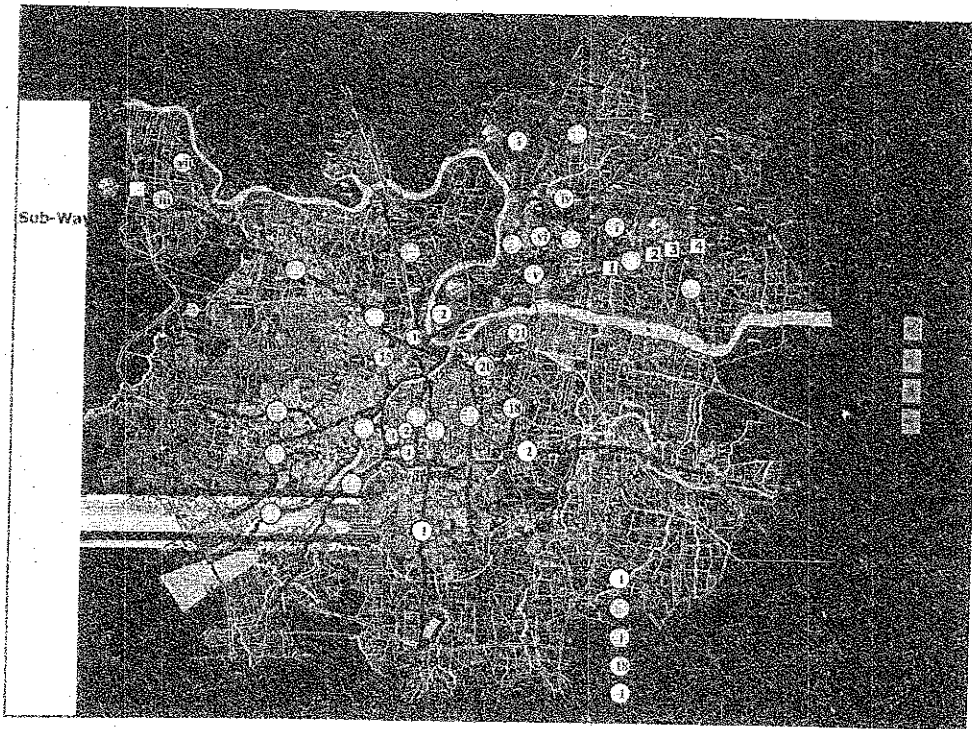
[Link to Map](#)



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II. Projects pending Appraisal & Approval



DPR for Utility Provisions & BRT Elements along approved BRT & CYG Roads

1

- A DPR covering the following elements, aimed at ensuring durable and organized provision of utilities along the BRT corridors has been submitted for consideration

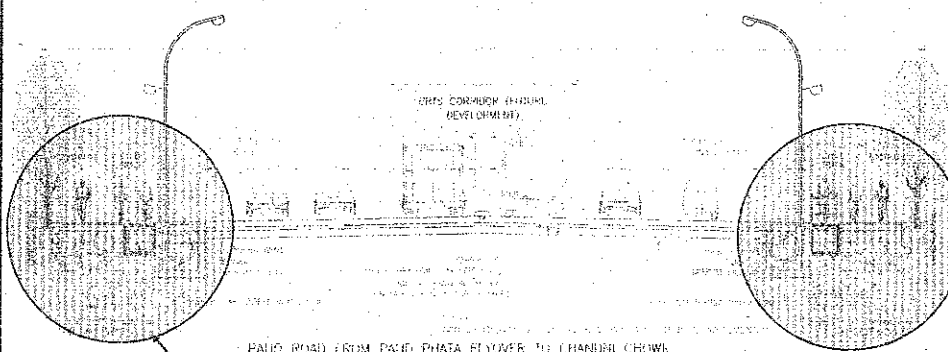
Sl	Description	Estimated Cost (Rs. Crore)
1	Storm Water Drains	46.66
2	Telephone Duct	26.09
3	M.S.E.D.C.I.RCC Cable Duct	37.15
4	M.S.E.D.C.I.Cables	37.19
5	Water Supply Line	30.44
6	Drainage Line	23.00
7	Street Lights	23.50
8	B.R.T. lanes, Bus Stops, Signalling etc.	60.94
9	Road Signages	35.35
10	Bridges	10.83
11	Landscape	4.92
12	Enhanced specifications, geometrics, quantity variations, etc.	62.00
Total Utility Provisions		447.04

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Typical Cross Section – Utility Provisions

1



PAULO ROAD FROM PAULO PHATA FLYOVER TO CHANDRI CHOWK

Provisions for Underground Utility Services

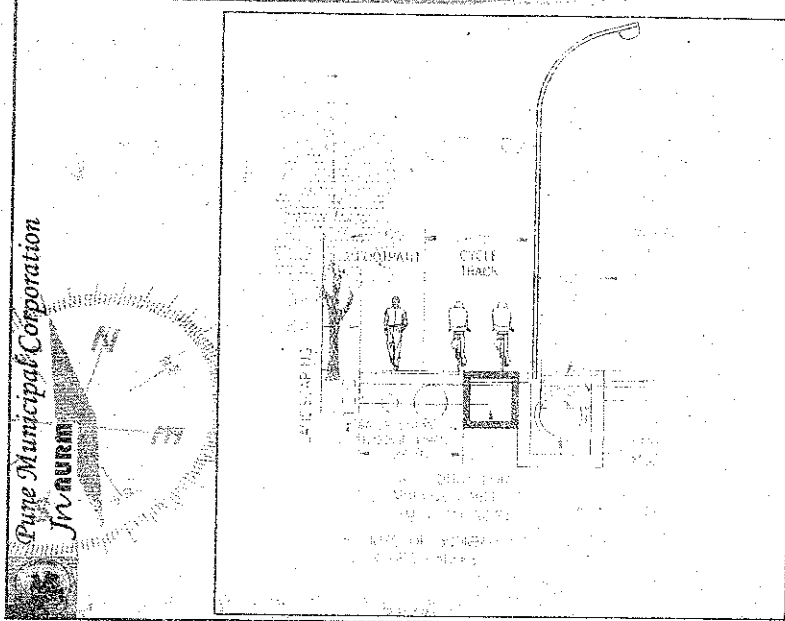
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Typical Cross Section -- Utility Provisions

1



Increased cost due to Change in Schedule of Rates -- PUN-019 & 021

► BRTS & CYG Projects (PUN-019 & 021)

- The sanctioned DPRs were prepared on the basis of PMC's SoR of 2004-05
- At the time of tendering PMC SoR 2007-08 are applicable

► The impact of the difference in SoR from the time of sanctioning to tendering is Rs. 111.72 crore

All Costs are in Rs. Crore

Sl.	Description	Sanctioned Cost (2004-05 SoR)	Revised Estimate (2007-08 SoR)	Additional Cost
1	BRTS (CYG Infrastructure) -- PUN-019	476.16	547.56	71.42
2	BRT Phase I -- PUN-021	268.65	308.94	40.30
Total		744.80	856.52	111.72

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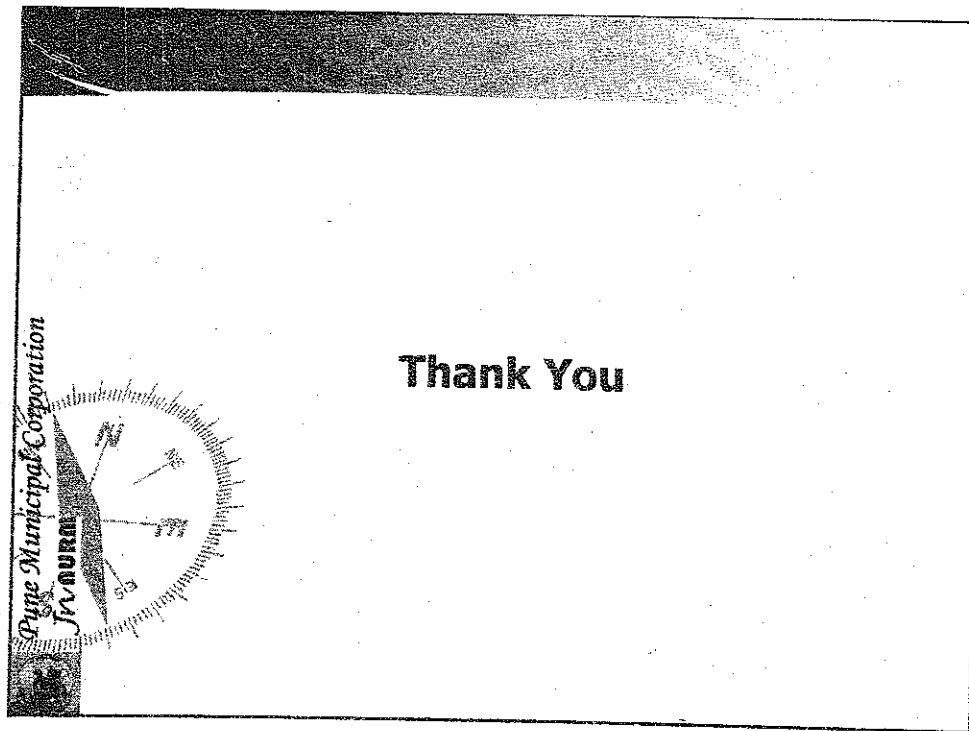
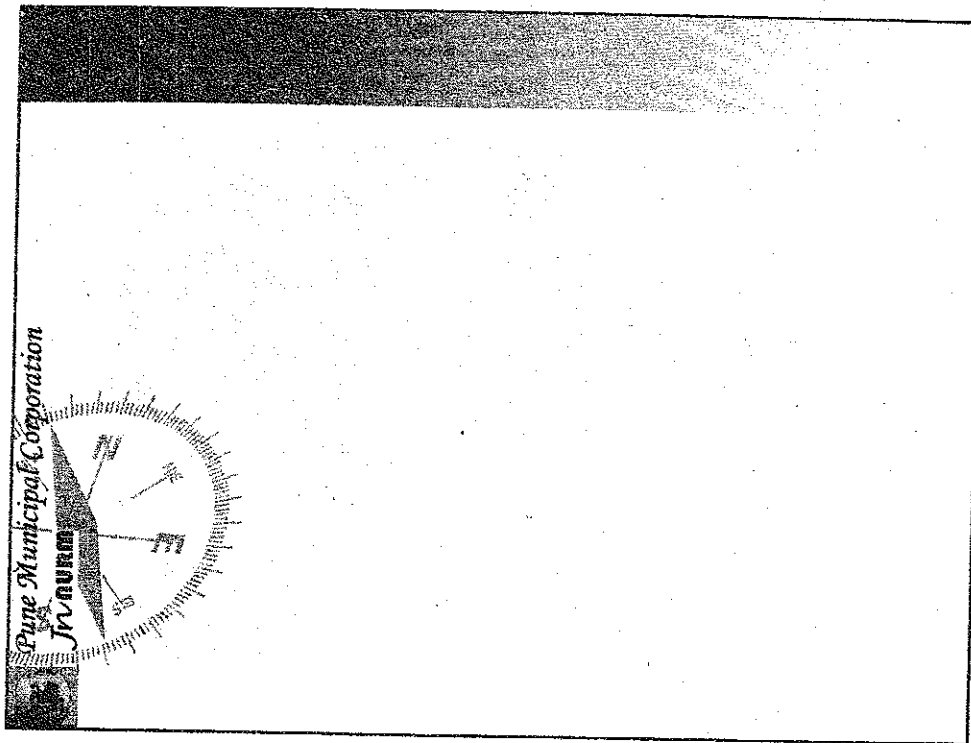
Pune Municipal Corporation

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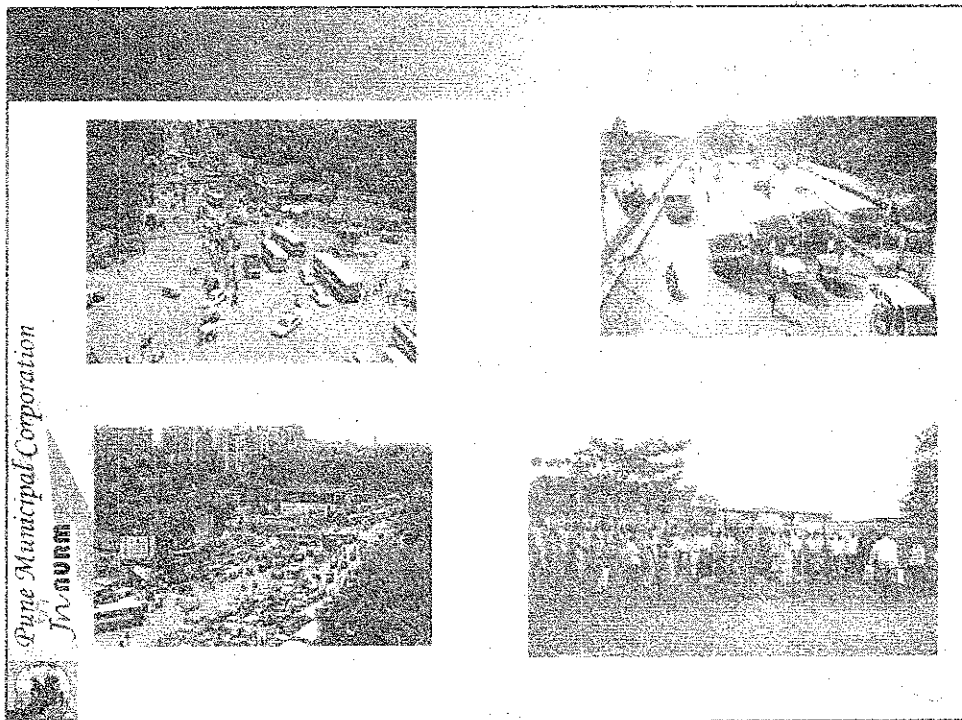
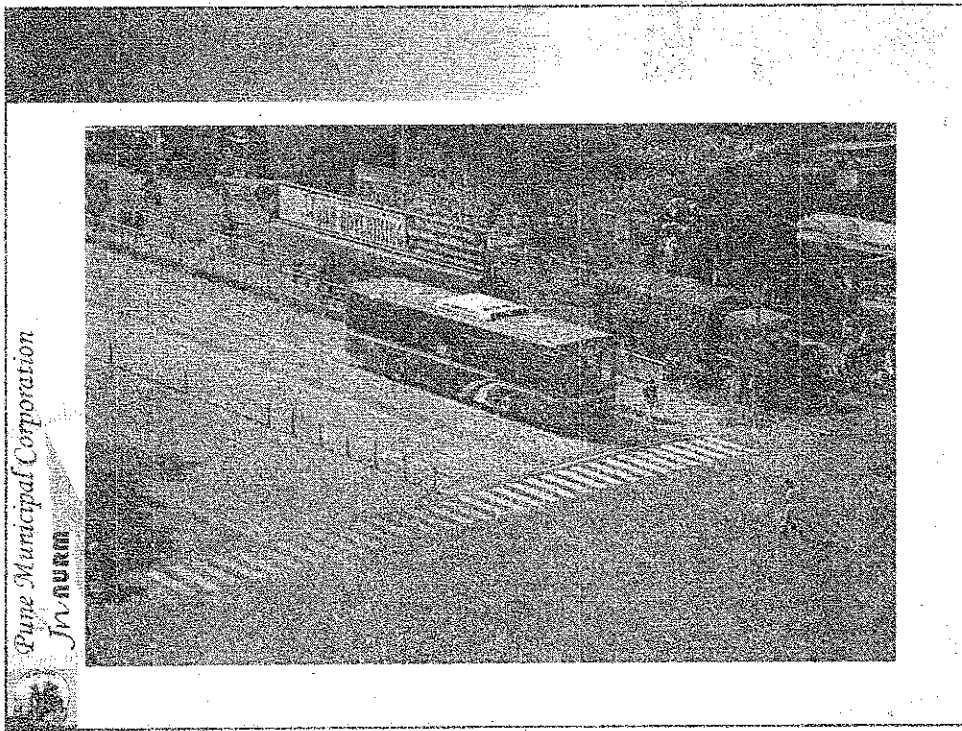


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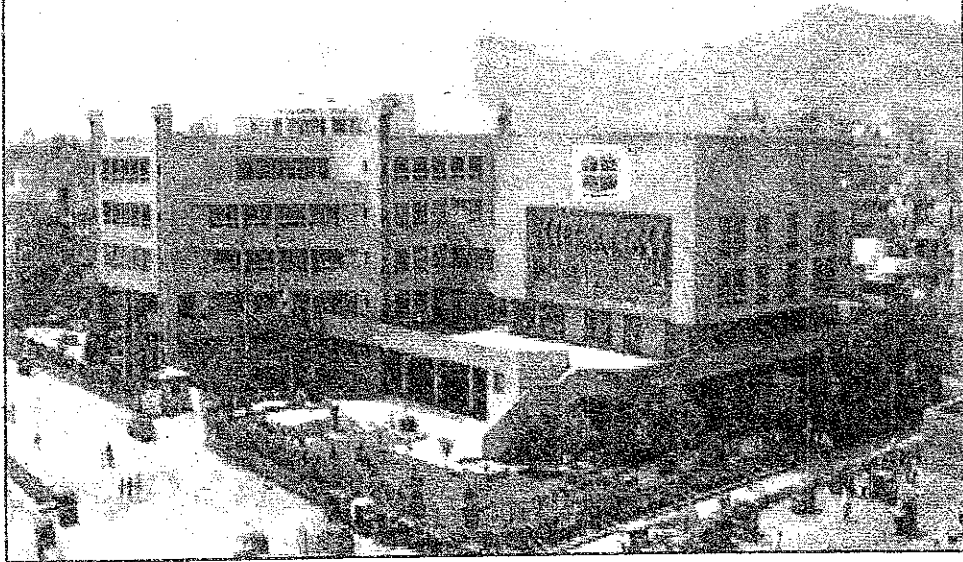
Thank You

Pune Municipal Corporation



THANE MUNICIPAL CORPORATION , THANE

WELCOMES YOU ALL

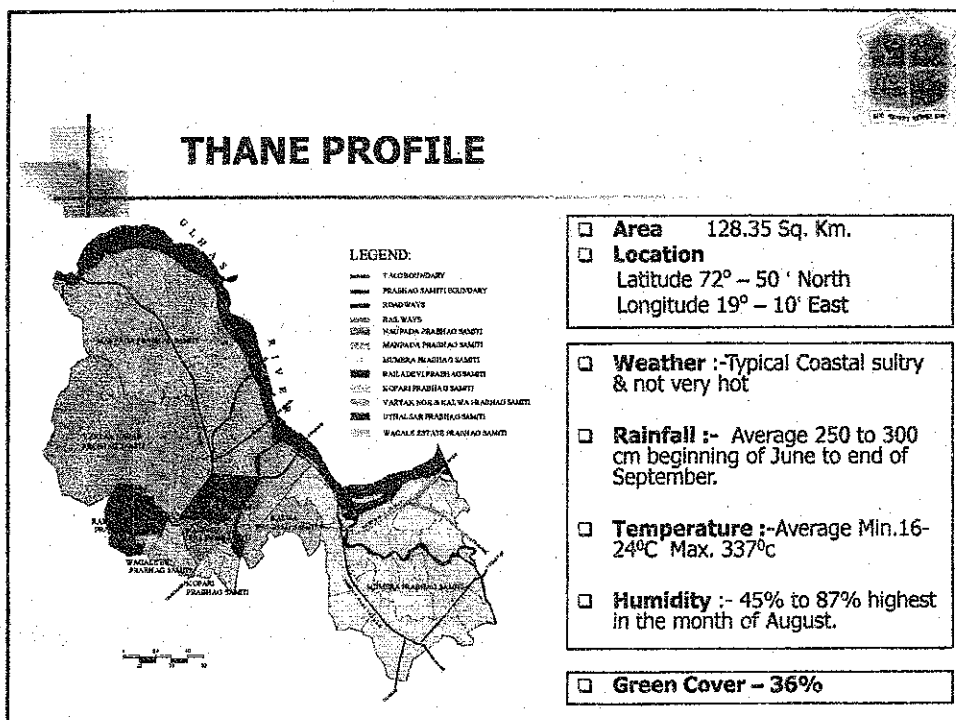
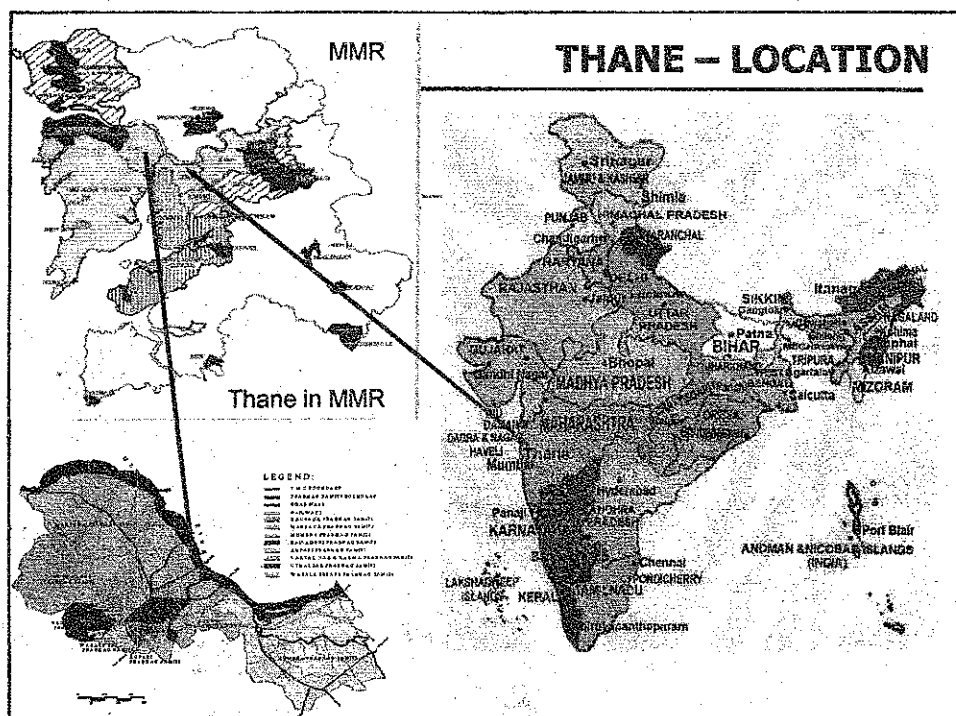


**UNDERGROUND SEWERAGE PROJECT
PHASE-II & III**

CS & MC MEETING

Date 22.02.2008





THANE -HISTORY

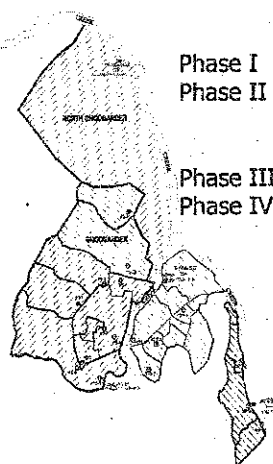
- THANE DERIVED ITS NAME FROM "STHAN" OR "SHREE STHANAKA"
- WAS A KINGDOM OF SHILAHARS DYNASTY FROM 13TH TO 14TH CENTURY
- SUBSEQUENTLY IT WAS RULED BY PORTUGUESE, MARATHAS AND MUSLIMS
- IN 1774 THE BRITISH CAPTURED THE CITY
- THANE NAGARPALIKA WAS ESTABLISHED ON 10TH MARCH 1863
- THE FIRST TRAIN SERVICES STARTED ON 16TH APRIL 1853 BETWEEN BORIBUNDER &THANE
- IN 1960 IT BECAME DISTRICT HEADQUARTER
- IN 1960-70, CITY CAME UP AS MAIN INDUSTRIAL TOWN
- THANE MUNICIPAL CORPORATION CAME IN TO EXISTENCE ON 1ST OCTOBER, 1982

CURRENT STATUS OF APPROVED PROJECTS UNDER JNNURM

Name of Project	Cost in Rs. Crores	Approval By CSMC	Current Status
SATIS	23.25	08/12/06	Work Commenced
INDP Phase-I	92.39	08/01/07	Work Commenced
INDP Phase-II	116.59	22/01/07	Work Commenced
Additional 110 MLD	71.18	08/01/07	Work Commenced
UGSS Phase-I	149.56	20/04/07	Work Commenced

PHASES OF ENTIRE SEWERAGE PROJECT

Phases	Area Sq. Kms	Population In Lakhs
Phase I	42.20	10.98
Phase II	37.83	10.72
Phase III	16.10	2.67
Phase IV	32.22	13.26



Phase I ===== Core city area
 Phase II ===== Kalwa & Ghodbunder road area
 Phase III ===== Mumbra area
 Phase IV ===== North of Ghodbunder road area

DESIGN PARAMETERS

- Design period for:-
 - i) civil works- 30 years (Year 2036)
 - ii) electrical & mechanical works-15 years (Year 2021)
- Contributing Catchment Area calculated from Contour maps prepared from topographical field survey.
- Population projection for design year made by avg. of decreasing rate of growth and graphical method.
- Hydraulic design based on Manning's formula and CPHEEO guidelines.

PHASEWISE COVERAGE OF AREA&POPULATION

S.N.	Coverage	Phase-I*	Phase-II#	Phase-III#	Balance Area \$
1	Area Coverage in Sq. Km.	42.20	37.83	16.10	32.22
2	% of Coverage	33.00	29.50	12.60	24.90
3	population Coverage in (2036)	10.98	10.72	2.67	13.26
4	% of population	30.00	28.50	7.00	35.50

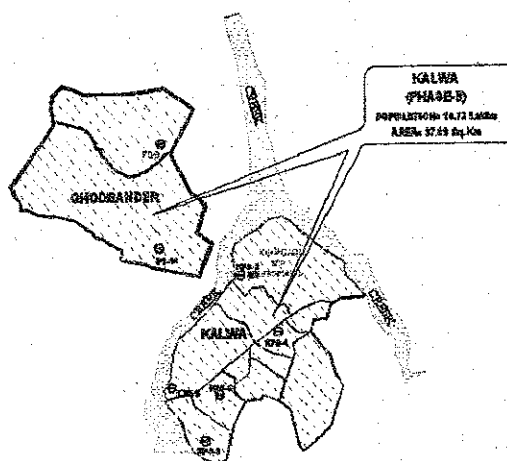
*Sew. Project Phase- I is already approved under JNNURM in April 2007 This includes upgradation of existing scheme and new areas and is under execution.

DPRs for these phases are now placed before the CSMC.

\$ The balance area is still under developed. Sewerage will be taken up after proper development in the area. It includes rural pockets in which it is proposed to have LCS.

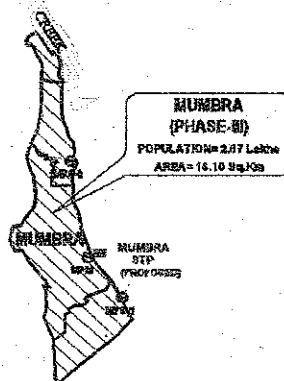
COMPONENTS OF SEWERAGE PROJECT PHASE-II

- 1.Area – 37.83 Sq. Km.
- 2.Sewer length-122.19Km.
(Including Rising Main)
- 3.Pumping stations- 7 No.
- 4.STP – 1 No. 100 MLD.
5. Outfall 50/50 Standard.



COMPONENTS OF SEWERAGE PROJECT PHASE-III

1. Area – 16.10 Sq. Km.
2. Sewer length-25 Km.
(Including Rising Main)
3. Pumping stations-3 No.
4. STP – 1 No. 35 MLD.
5. Outfall 50/50 Standard.



COST ESTIMATE PHASE-II

Rs. Lakh

Sr.No	Component	Cost
1	Sewer Network (122.19 Km.)	7407.00
2	Pumping Station (7 No.)	2221.00
3	STP (100 MLD)	3906.00
	Sub Total	13534.00
4	Contingencies at 3 %	407.00
5	Establishment at 0.5 %	68.00
	Grand Total	14009.00

COST ESTIMATE PHASE-III

Rs. Lakh

Sr.No	Component	Cost
1	Sewer Network (25.00 Km.)	1671.00
2	Pumping Station (3 No.)	626.00
3	STP (35 MLD)	1742.00
	Sub Total	4039.00
4	Contingencies at 3 %	122.00
5	Establishment at 0.5 %	20.00
	Grand Total	4181.00

FUNDING PATTERN & FINANCIAL PLAN - PHASE -II

Amount in Lakh

Year	JNNURM 35%	GoM 15%	TMC 50%	Total
2007-08	245.00	105.00	350.00	700.00
2008-09	1226.00	526.00	1751.00	3503.00
2009-10	2206.00	946.00	3152.00	6304.00
2010-11	1226.00	525.00	1751.00	3502.00
TOTAL	4903.00	2102.00	7004.00	14009.00

FUNDING PATTERN & FINANCIAL PLAN- PHASE -III

Amount in Lakh

Year	JNNURM 35%	GoM 15%	TMC 50%	Total
2007-08	73.17	31.36	104.52	209.05
2008-09	365.84	156.79	522.62	1045.25
2009-2010	658.51	282.22	940.73	1881.45
2010-2011	365.83	156.78	522.63	1045.25
TOTAL	1463.35	627.15	2090.50	4181.00

ANNUAL O&M

- Estimated O&M (2011-12)-Rs. 959.00 Lakh For Phase-II & Rs. 285.00 Lakh For Phase-III
- Revenue from sewerage tax for Phase-II will be 2424.00 Lakh & Rs. 602.5 Lakh For Phase-III
- Thane Municipal Corporation have passed resolution to recover 50% of water bill for buildings and 25% of water bill from slum dwellers as **Sewerage Tax** from the beneficiaries as they get connected to new system.

PROJECT IMPLEMENTATION

- Execute the identified projects by Tendering.
- Within the stipulated time frame of 3 Years.
- With desired quality.
- Minimal environmental and social hazards.

PROJECT OUTCOME

- 75 % of total city area, will be sewerred. (Cumulative of Phase I,II & III)
- Citizens will have access to the basic sewerage services.
- General environmental hygiene and sanitation conditions of the city will be improved. There will be reduction in mosquito breeding, fly nuisance, foul smell etc.
- Reduction in pollution load in the surface water courses. As a spin off, quality of ground water recharge will also improve.

MANDATORY REFORM STATUS

Sr. No	Reform Type /Reform Activity & Time	Present Status
1	E-governance 2007-08 & 2008-09	<ul style="list-style-type: none"> Final document of MEDD prepared Hon. General Body has passed a resolution for appointment of M/S. TCS as a software consultant Process for starting CFC at nine ward offices initiated. Two CFC started at Uthalsar & Naupada. Work of two CFC completed and will be commissioned shortly. Proposals of four CFC finalized and work is in progress. Software for building plan approval installed. Training to architects & staff completed. Activity of installing Auto-DCR & issuing it to the architects completed.
2	Municipal Accounting 2007-08	<ul style="list-style-type: none"> Format of Asset wise registers finalized. Process of appointing consultant for designing of software for asset registers initiated. INDO- USAID has prepared a inception report regarding development & implementation of Financial Management System. According to the work plan the detailed work schedule will be prepared by the end of February 2008. Received ISO Certification for Accounts & Finance Dept.

MANDATORY REFORM STATUS

Sr. No	Reform Type /Reform Activity & Time	Present Status of reform
3	Property Tax 2007-08, 2008-09 & 2010-11	<ul style="list-style-type: none"> Proposal of appointment of GIS consultant has been forwarded to Hon. General Body for sanction. MRSAC has completed the conversion of toposheet to GIS layer and digitization of city survey, village map and DP. Major road, landmarks, creek, lakes, slum pockets identified & marked on GIS map. Achievement 95% coverage ratio of PT as on 31/01/2008 against targeted 85 % 75.00% PT recovered till 13/02/2008 (Current demand+Supplimentary demand Rs.102.00 crs.) 23.28% arrear recovered of Rs.68.42 crs arrears demand (Previous year current demand Rs.100.94 crs.)
4	User Charges 2007-08 to 2010-11	<ul style="list-style-type: none"> Out of nine Ward Committee Areas GIS based Mapping of Water supply utilities of Eight ward committee has been completed.

MANDATORY REFORM STATUS

Sr. No	Reform Type /Reform Activity & Time	Present Status of reform
5	Provision of Basic Services to Urban Poor 2005-06 to 2011-12	<ul style="list-style-type: none"> • Out of 9 Clusters approved under JNNURM construction of 3 clusters started having 3000 tenements. • Database creation of four slum clusters in progress. • Comprehensive programme to construct 7950 seats initiated under Nirmal MMR Abhiyan. Existing seats- 8715 Target-14625 seats.

OPTIONAL REFORM STATUS

Sr. No	Reform Type /Reform Activity & Time	Present Status of reform
1	Revision of Build. Byelaws to Streamline Appr. Pro. 2005-06 to 2008-09	• Entire set of building byelaws have been disseminated through website.
2	Rain Water Harvesting 2005-06 & 2006-07	• RWH amendment has been effected and it is made compulsory for new development
3	Bye Laws On Reuse Of Recycled Water 2007-08 & 2008-09	• Hon. General Body has passed resolution for introducing the new regulation. 37 modification process initiated.

OPTIONAL REFORM STATUS

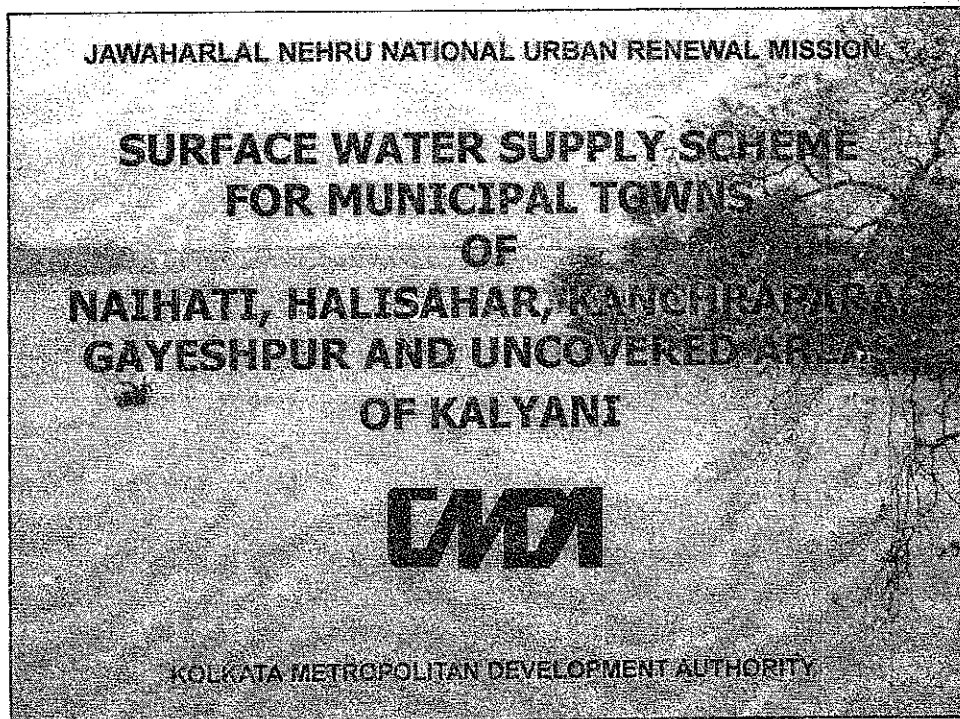
Sr. No	Reform Type /Reform Activity & Time	Present Status of reform
4	Encouraging PPP 2007-08 to 2010-11	• Projects for PPP identified & prioritised. Hon. General Body has passed an resolution to encourage PPP. Projects started-Housing for dishoused at Vrindavan, Art Gallery at Kapurbawadi, Schools at Raghunathnagar & Lodha paradise, Fire Station at Nitin Co., multipurpose hall at Wagle Estate. Projects initiated - Science park at Manpada, Auditorium at Hiranandani Meadows, Park at Owala.
5	Structural Reforms 2006-07 & 2007-08	• Completed. Decentralisation of Administrative & Financial powers to ward committees.

THANK YOU



Annex 11

2/25/2008



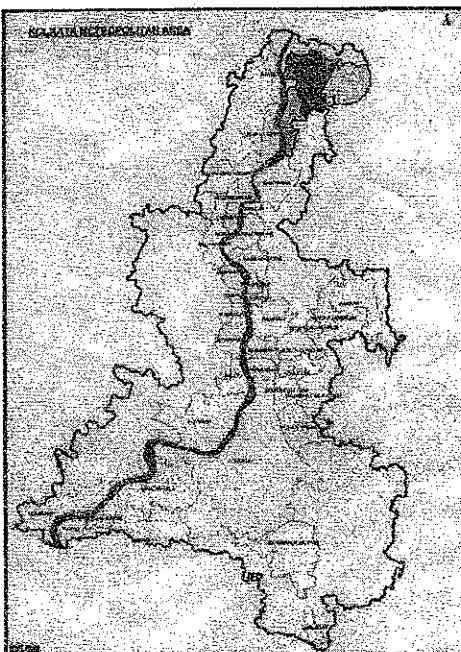
**Kolkata Metropolitan Area
Comprises:**

- 3 Municipal Corporations &
- 38 Municipalities

**Present Project includes 5
adjoining Municipalities**

- Naihati
- Halisahar
- Kanchrapara
- Gayeshpur
- Kalyani

**Total Project Area : 66.79 Sq. Km.
Population (2001) : 6.03 Lakh
Population (Present) : 6.53 Lakh**

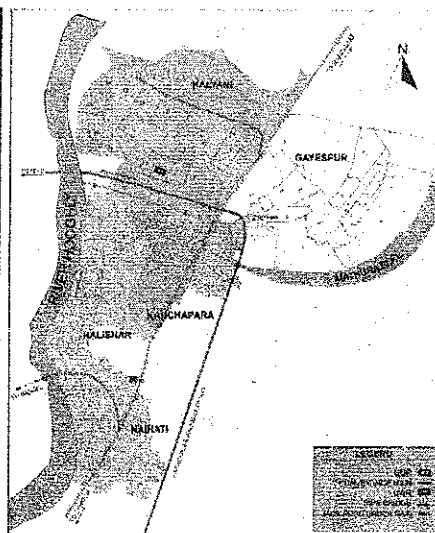


Existing Water Supply Scenario

ULB	Source	Per Capita LPCD
Kalyani	Ground Water	113
Gayeshpur	Ground Water	52
Kanchrapara	Ground Water	65
Halisahar	Ground Water	55
Naihati	Ground Water	44
Total		Avg : 66

Area/Population/Water Demand

ULBs	Area	Population (in Lakh) Water Demand in MGD		
		2010	2025	2040
Kalyani	22.56	1.08	1.51	2.04
		17.82	24.68	33.09
Gayeshpur	30.33	0.63	0.70	0.73
		10.59	11.68	12.18
Halisahar	8.28	1.37	1.47	1.52
		22.46	24.05	24.82
Kanchrapara	9.07	1.40	1.65	1.98
		22.91	26.91	32.14
Naihati	11.55	2.45	3.03	3.61
		39.60	48.78	57.96
Total	81.79	6.93	8.36	9.88
		113.38	135.10	160.19



Present Status

- Ground Water is becoming unreliable in respect of quantity and quality.
- Deteriorating quality results in encrustation and deposition within existing pipes reducing capacity and pressure.
- Arsenic contamination noticed in Nadia District in Kalyani and Gayeshpur Municipalities.
- UFW : 30%-45%



Gayeshpur

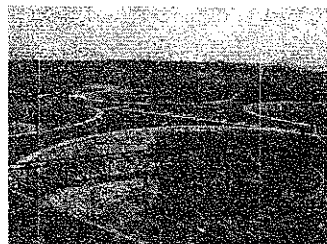
Kanchrapara



Naihati

Present Status

- To solve the problem, 155 MLD (34 MGD) WTP has been taken up at Kalyani funded by Megacity Project with River Hooghly as source of raw water to meet the 2025 water demand.
- WTP will be commissioned in July 2008.
- However, without adequate water supply infrastructure, treated surface water cannot be provided to the 5 ULBs.



Need for the Project

- Megacity Funded Project provides for the generation of treated surface water for 5 ULBs and Distribution Main for a part of Kalyani Municipal area.
- To supply treated surface water to the 5 ULBs, it is proposed to develop and augment the required water supply infrastructure for 5 towns. e.g. Conveyance Main, Transmission Main, UGR, ESR and Distribution Network.

Project Objective

- 24x7 Surface Water Supply Scheme with metering.
- 100% coverage and access to all.
- Water Tariff on volumetric consumption.
- Project integrated with Mission II (BSUP Project).

Approved BSUP Projects

ULB	No. of Dwelling Units	Project Cost (Rs. Crore)
Kalyani	2311	44.62
Gayeshpur	3443	90.16
Kanchrapara	787	18.02
Halisahar	4394	57.23
Naihati	2325	52.56
Total	13260	262.59

Project Components

- **Conveyance Main** from CWR at common WTP at Kalyani to UGRs of Naihati, Halisahar and Gayeshpur Municipalities, 17.725 Km (500 mm to 1000 mm dia)
- **UGR-cum-Pumping Stations** with pump machineries
 - Naihati : 2375 m³
 - Halishar : 1260 m³
 - Gayeshpur : 650 m³
- **Transmission Main** from existing CWR of Kalyani WTP to ESRs of Kanchrapara, 6.934 Km (150 mm to 700 mm dia pipe)
- **Transmission Main** from existing CWR of Kalyani to ESRs of Kalyani 5.31 Km (200 mm to 250 mm dia pipe)
- **Transmission Main** from UGRs to the ESRs
 - Naihati : 11.84 Km (150 mm to 800 mm dia pipe)
 - Halishar : 13.45 Km (150 mm to 600 mm dia pipe)
 - Gayeshpur : 9.56 Km (150 mm to 500 mm dia pipe)

Elevated service reservoirs

- Kalyani : 4 Nos
- Kanchrapara : 8 Nos
- Halishar : 7 Nos
- Naihati : 15 Nos
- Gayeshpur : 6 Nos
- **Distribution mains**
 - Kalyani : 23.941 Km (100 mm to 300 mm dia pipe)
 - Kanchrapara : 25.368 Km (100 mm to 500 mm dia pipe)
 - Halisahar : 37.448 Km (100 mm to 500 mm dia pipe)
 - Naihati : 52.893 Km (150 mm to 500 mm dia pipe)
 - Gayeshpur : 22.673 Km (150 mm to 450 mm dia pipe)
- Bulk meters for every District Metering Area (DMA)
- Water meter for all domestic consumers

Sewage Handling

- There exists a 13.6 MLD STP at Kalyani.
- One 12 MLD STP is under construction at Naihati.
- Construction of another STP at Naihati of 8 MLD capacity will start from March 2008.
- Waste stabilization pond of 13.5 MLD capacity will be commissioned shortly for Gayeshpur, Kanchrapara and Halisahar.
- Balance requirement being planned.

Economic Benefits

- Currently, 6.53 lakh population and ultimately, 9.88 lakh population will be benefited.
- Access to adequate and potable quality water
- No dependency on ground water
- Health benefits

Tender Packages and Implementation schedule		Tender Packages and Implementation schedule							
		2007-2008		2008-2009				2009-2010	
		4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr
Tender Package:	Construction activity								
1	ESR at Katyati								
2	ESR at Kanchrapara								
3	ESR at Gayeshpur, Haisahar and Nalhati								
4	Electromechanical works for Kanchrapara								
5	Conveyance main								
6	UGR-cum-Pumphouse at Gayeshpur, Haisahar and Nalhati								
7	Transmission Main of Katyati								
8	Transmission Main of Kanchrapara								
9	Transmission Main of Gayeshpur, Haisahar and Nalhati								
10	Renewal of distribution network of Katyati								
11	Renewal of distribution network of Kanchrapara								
12	Renewal of distribution network of Gayeshpur, Haisahar and Nalhati								

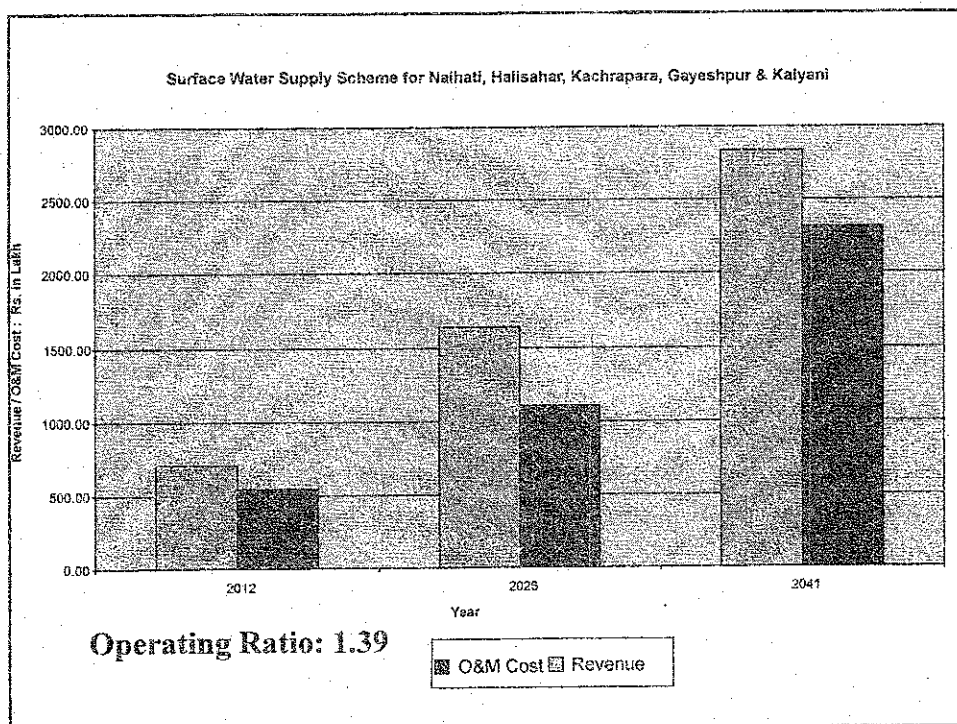
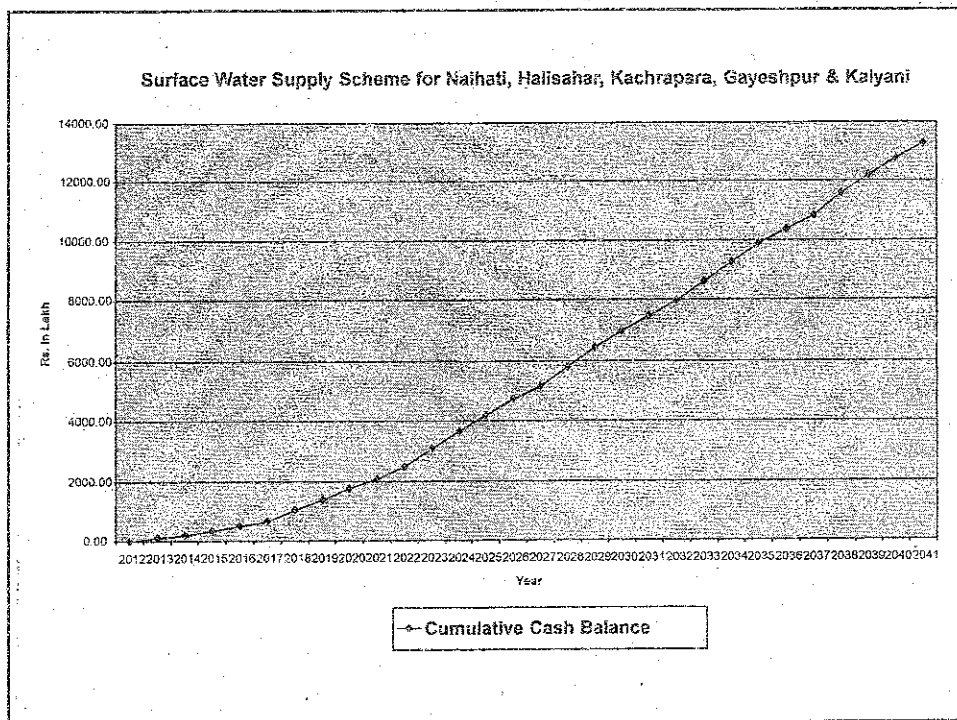
Financial Parameters

- **Project Cost** : Rs.141.94 crore
- **Proposed Funding Pattern**
 - GOI Grant under JNNURM (35%) : Rs. 49.68 crore
 - GoWB (35%) : Rs. 49.68 crore
 - ULBs & KMDA (30%) : Rs. 42.58 crore
- **Time frame for implementation** : 24 months
- **Project Implementation Phasing**

2007-08	2008-09	2009-10
Rs. 7.09 cr (5%)	Rs. 85.17 cr (60%)	Rs. 49.68 cr (35%)

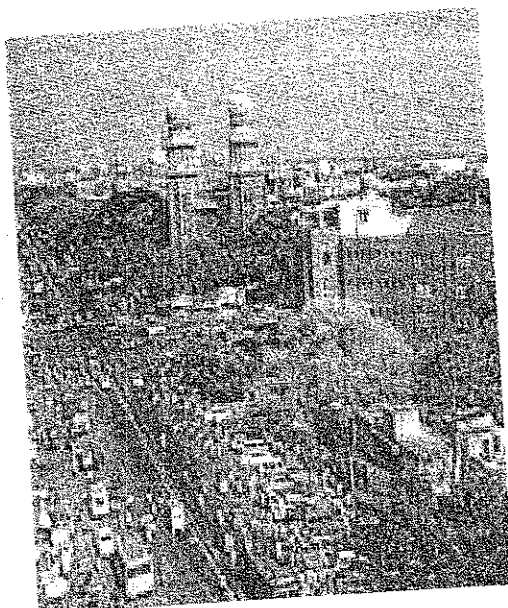
Financial Parameters

- **Project Design Life:** 30 years
- **Implementing Agency:** KMDA
- **Operation & Maintenance**
 - Urban Local Bodies : Kalyani, Gayeshpur, Kanchrapara, Halisahar and Naihati.
- **Project Revenues**
 - Imposition of Water Tariff on Domestic (Rs. 3.5/ KL), Slum dwellers (Rs. 1.5/KL) and ICI Consumers (Rs. 18/ KL): Increase of Min 15% every 5 years: Necessary Resolution by Mayor-in-Council already passed



Thank You

Annex 18



Allahabad

Presentation
on
Integrated Municipal
Solid Waste Management
in Allahabad City

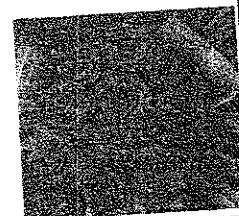
by
Allahabad Nagar Nigam,
Allahabad
Uttar Pradesh

February 22, 2008

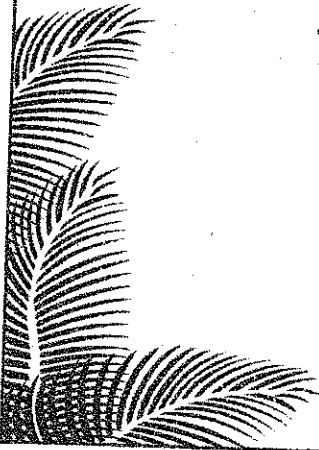
PRESENTATION LAYOUT

Integrated Municipal Solid Waste Management (IMSWM)

- A. MSW Data Specific to Allahabad**
 - ✓ Secondary Data
 - ✓ Findings of the Survey
 - ✓ Pictures of existing components of MSW
- B. Basis of MSWM proposal in Allahabad**
 - ✓ Primary Aspects of Proposed Plan
- C. Proposed MSWM Components in Allahabad**
 - ✓ Waste Collection
 - ✓ Waste Storage
 - ✓ Waste Transportation
 - ✓ Waste Disposal
 - ✓ Other Aspects
- D. Financial Estimates**
 - ✓ Cost Estimates, Phasing
 - ✓ Financing Plan
 - ✓ Revenue Generation and O&M
- E. Benefits of the Project**

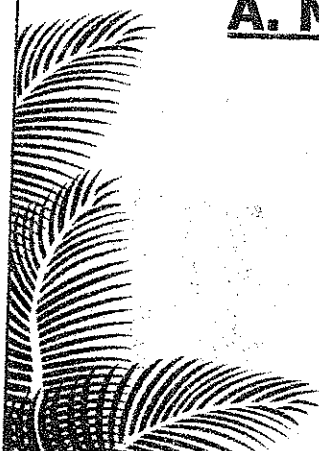


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Integrated MSW **Management**

3



A. MSW Data Specific to **Allahabad**

4

A. (i) Allahabad-MSW DATA

- Population is 13.39 lacs (2006)
- Over 6.0% is slum population
- 70.05 square kilometer split into 80 election wards
- 1774 kilometers of road
- Choked Nallahs and Storm Water drains
- 47 Open Dumps + 160 bins
- Presently 2 un-engineered dumpsites are being used as landfills
- 1872 Permanent + 470 Contractual Safai Karamcharis
- 6000 Ragpickers
- Primitive designed Handcarts and Rickshaws
- 85 Vehicles for SWM

5

A. (ii) Allahabad-SURVEY-WASTE QUANTITY

- ✓ MSW = 577.58 MT per day
- ✓ MSW per person per day: 0.4313 kg/day/person
(Norm is from 0.2 kgs to 0.6kgs for mega cities)

6

A. (iii) Allahabad – SURVEY - WASTE COMPOSITION

Type of Waste	%	TPD	Comments/Disposal
• Bio-degradable	43.46	235.3	90% Compost, 10% Landfill
• Recyclable	17.26	93.40	Metal, Plastic, Paper etc
• Construction Waste	17.38	94.10	Filling low lying areas
• Mixed & Street Sweepings & Drain Silt	21.90	118.5	Landfill
<i>Total 577.58 tons/day</i>			

A. (iv) Allahabad – SURVEY – OTHER FINDINGS

- ✓ Inefficient Collection
- ✓ Non Scientific Disposal
- ✓ People apprehensive to share information
- ✓ Low awareness of MSW Rules
- ✓ Limited PPP in Household collection of waste

7

A (v) Allahabad-1

- ❖ Unhygienic conditions at Open Dumps
- ❖ Choking of Nallahs



8

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A (v) Allahabad-2

- ❖ Use of inefficient handcarts and rickshaw trolley for primary collection of waste
- ❖ Ragpickers



9

A (v) Allahabad- 3

- ❖ Improper Handling of MSW Waste (MSW Rules 2000)



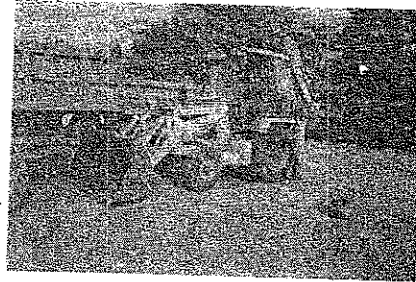
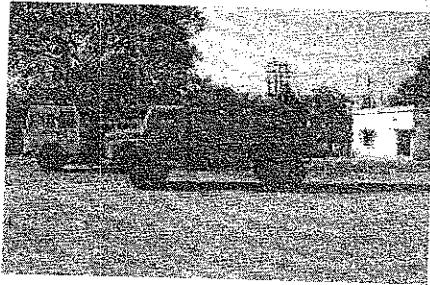
- Containers & Trucks (Assets)
- Unhygienic conditions at storage site
- Open Transportation



10

A (v) Allahabad-4

❖ Vehicles used for MSW Collection

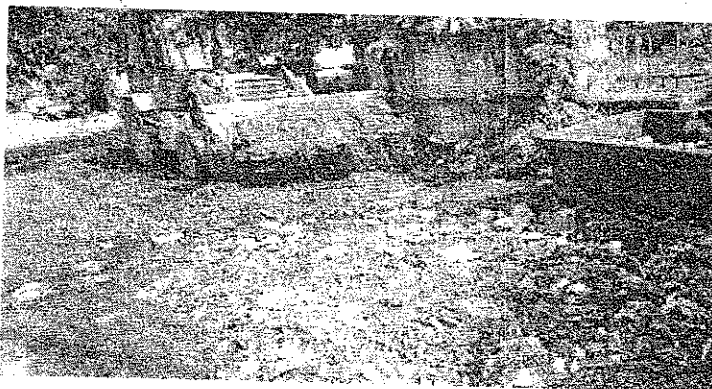


Some vehicles are in satisfactory condition

11

A (v) Allahabad- 5

❖ Removal of Waste spread around Bin



12

A (v) Allahabad- 6

❖ Present Landfill sites

- Near Kareli
- Bauxi Bandh

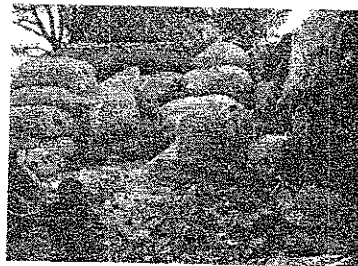


13

A (vi) RAG PICKERS--

Silent workers who keep Allahabad Clean

- ✓ About 6000 rag pickers mainly children and women
- ✓ Require social concerns of security, health, education & women/child welfare to be addressed



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B. Basis of MSWM Proposal

15

B. (i) Primary aspects of the proposed plan

- **Compliance with Municipal Solid Waste Management & Handling Rules of 2000**
- **Compulsory segregation at the source**
- **Provision of segregated infrastructure at all stages of collection and transportation**
- **Waste to be covered at all stages of handling**
- **Elimination of manual handling of waste, and the provision of the proper PPEs to the workers**
- **100% collection and transportation of the generated waste**
- **Maximum recovery of resources by segregating recyclables and biodegradable**
- **Advocate 4R's i.e. reduce, recycle, reuse, and recover materials in MSW management**

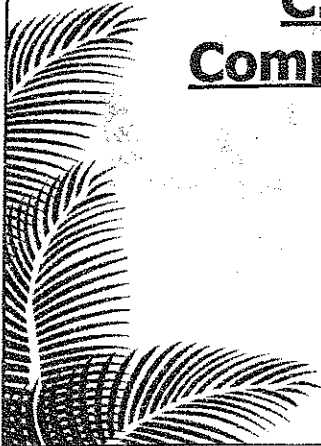
16

B. (i) Primary aspects of the proposed plan.

- **Adopt proven technologies for waste processing**
- **Promote information, education and communication across the stakeholders to ensure system efficiency and sustainability**
- **Ensure economic sustainability of the proposed system by introducing public private partnership in MSW management**
- **Adequate health and safety provisions for workers at all stages of waste handling**
- **Regular environmental monitoring at waste processing and disposal facilities**
- **Have robust complaint-handling system in place**
- **Conduct regular internal and external independent audits on the efficiency of entire SWM system**

17

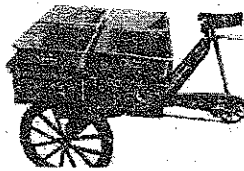
C. Proposed MSWM
Components in Allahabad



18

C.MSW COMPONENTS PROPOSED IN Allahabad

✓ (i) Waste Collection & Road Cleaning



Better designed Rickshaws



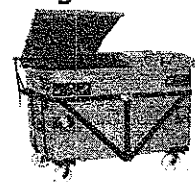
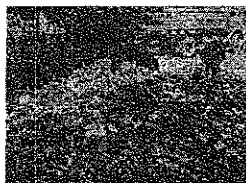
Better designed Handcarts/
Wheelbarrow

- ✓ Personal Protective Equipments (PPE) to be used for Waste Handling
- ✓ Encourage House/House (H/H) collection of Waste
- ✓ Two Covered bins at each households for segregation of waste
- ✓ Rickshaw & Handcarts = 1576; Wheelbarrows = 638
- ✓ Road Vacuum sweeping machine: 2

19

C. MSW COMPONENTS PROPOSED IN Allahabad

✓ (ii) Waste Storage



Placement of Bins for waste collection



Better designed Dumper placer Container

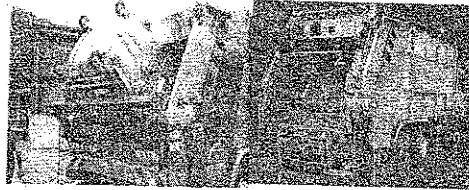
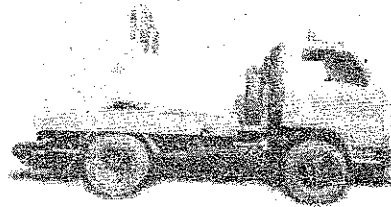
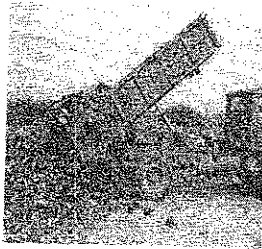
- Dumper Containers (3.0 m³): 175
- Bin (s) 1100 & 600 liters = 633 nos 150 litre bins: 350 pairs
- Cemented Platform for placement of dumper containers & RC Bins

20

C. MSW COMPONENTS PROPOSED IN Allahabad

✓(iii) Waste Transportation

Efficient & Adequate
Transportation
Systems



Refuse Collectors : 13
Compactor Trucks: 6

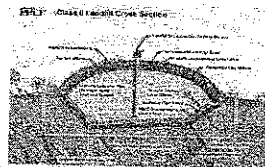
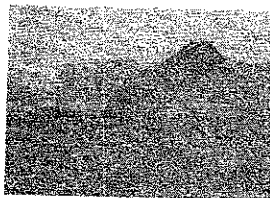
Cattle Lifting Vehicles: 2
Dumper Placers: 7

Two transfer Station at strategic locations

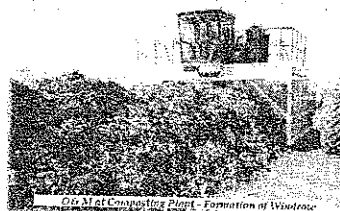
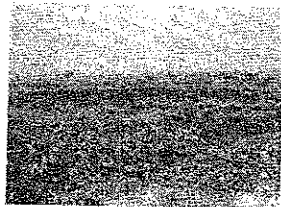
21

C. MSW COMPONENTS PROPOSED IN Allahabad

✓(iv) Waste Disposal



Scientifically designed Landfill sites



Conversion of Biodegradable Waste
to Marketable Compost -300 tpd plant proposed

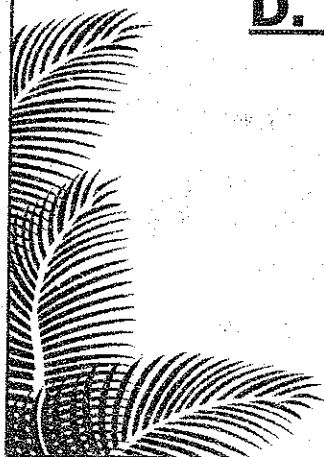
22

C. MSW COMPONENTS PROPOSED IN Allahabad
✓(v) Landfill Sites in Allahabad

- **Proposed Landfill Site: Gram Baswar, Tehshil Karchhana**
- **Area: 27.04 ha**

23

D. Financial Estimates



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D. (i) COST OF THE PROPOSED SCHEME

Rs in Lacs	sub-total	sub-total	Total
✓a) Collection	562.11		
✓b) Storage	322.10		
✓c) transfer station	220.00		
✓d) Transportation	444.71	1548.92	
<hr/>			
✓e) Compost plant 300 tpd		770.50	
✓f) Landfill site (5yrs life)*		633.48	
✓g) Contingency on above @3% of a to e (X)		88.59	3041.49
<hr/>			
-----REIMBURSEABLES AND INCENTIVES-----			
✓h) IEC @1.5% of X	45.62		
✓i) DPR @1.5% of X	45.62		
✓j) Incentives @2% of X	60.82		
✓k) Monitoring/Evaluation(ME)@5% of X (Y)		152.06	304.12
<hr/>			
✓TOTAL COST			3345.61

SCHEDULE OF IMPLEMENTATION
Scheme will be completed in 18 months

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D. (ii) FINANCING OF THE PROPOSED SCHEME

Rs in Lacs	
Cost	
Capital Cost	3041.49
Incentives/ME	304.12
Total	3345.61
Financing	
•Capital Cost = 3041.49 would be funded by Government/ANN in ratio of GOI-50% , State Govt-20% , ANN-30%	
<hr/>	
✓GOI	1520.74
✓State Govt	608.30
✓ANN	912.45
Total	3041.49

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D. (iii) Revenue Generation and Expenditure on O&M and PPP options

Collection of Waste

- ✓ Door to Door Collection - Rs 15/month to Rs 50/month per household
- O&M will be through PPP*

Transportation

- ✓ Transportation of waste to landfill site - Rs 116/ton or Rs. 212.57 lacs/annum

Initially ANN will undertake transportation through existing staff, PPP options will be explored in future

Compost Plant

- ✓ Cash Cost of manufacture of Compost - Rs 1.0 p/kg
- ✓ Selling Price of Compost - Rs 1.5 /kg
- ✓ Net profit (2009) - Rs 40.3 lacs/annum

O&M cost at Landfill

- ✓ O&M cost of Landfill - Rs 47.15/ton (Rs 20.40 lacs/annum)

Compost accruals can meet O&M at landfill- integrated facility will be given under PPP for O&M

27

E. Benefits of the Scheme

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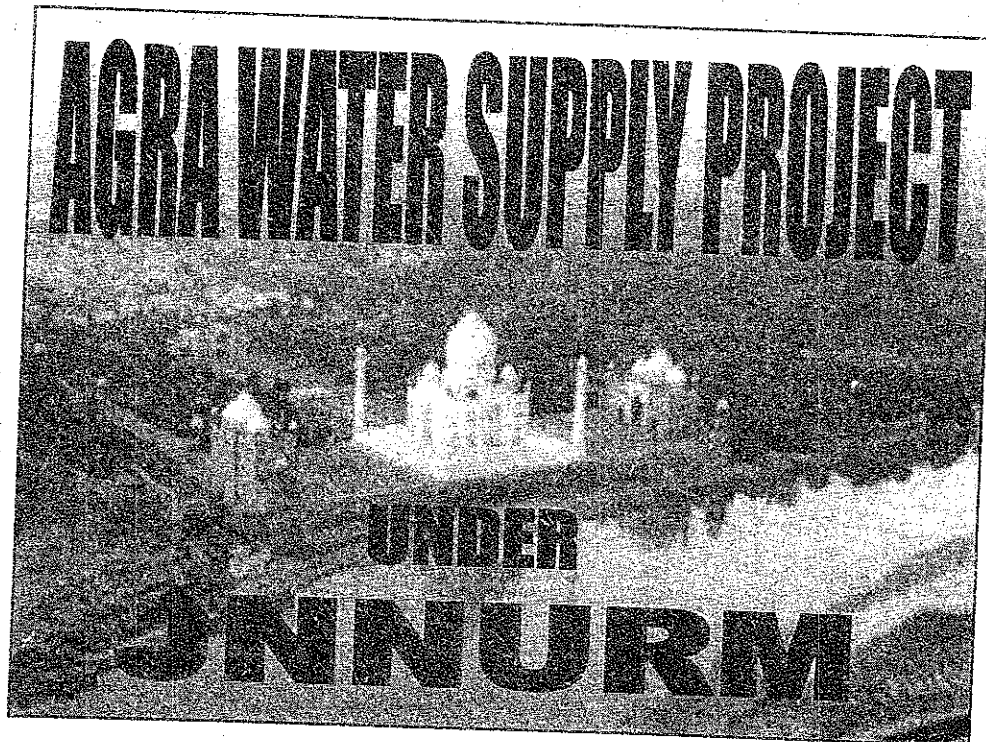
E. PROJECT BENEFITS

- ✓ Upgrade and make the MSWM system efficient , reliable and in conformity to MSW Rules 2000
- ✓ Convert waste to value added compost
- ✓ Improve environment and quality of life /health of the citizens of Allahabad
- ✓ Improve state of roads, storm water drains and sewage system and other infrastructure in Allahabad
- ✓ Promote PPP - improve finances/efficiency/accountability
- ✓ Generate awareness on aspects of MSW among citizens and workers of ANN through IEC
- ✓ Generate employment for waste collectors
- ✓ Improve systems in ANN as financing is subject to ANN taking a time bound reform agenda

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THANK YOU

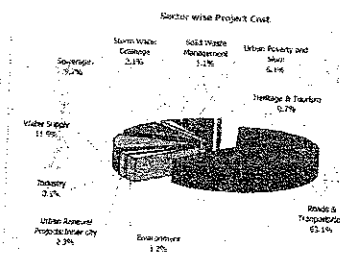
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INTRODUCTION

CDP Agra was approved by the state and Central Govt. for Rs. 7854.64 crores. CDP was prepared by Nagar Nigam Agra with the help of related departments as U.P. Jal Nigam, Agra Development Authority, Duda and district Administration. Through a private consultant - M/s M.D.V. Consultants Pvt. Ltd. Different Departments of Agra Town are involved in preparation of C.D.P Agra. Works proposed are as follow:

1. Tourism
2. Water Supply
3. Sewerage System
4. Drainage System
5. Solid waste management
6. Road Network
7. Basic services for urban poor
8. Environment.
9. Financial Health of Agra Nagar Nigam
10. Institutional issues.
11. Inner city
12. SWOT Analyses



There was provision for Rs. 900.04 crores in CDP for augmentation of water supply of Agra Town including conveyance mains from Palra Fall to Agra for raw Water. Now this project is funded by JBIC (85% i.e. Rs. 765.034 crores) and U.P. Govt. (15% i.e. Rs. 135.006 crores). Balance works for Agra Water Supply were provided in the project under JNNURM. U.P. Jal Nigam prepared a DPR for W/S of RS. 366.76 crores.

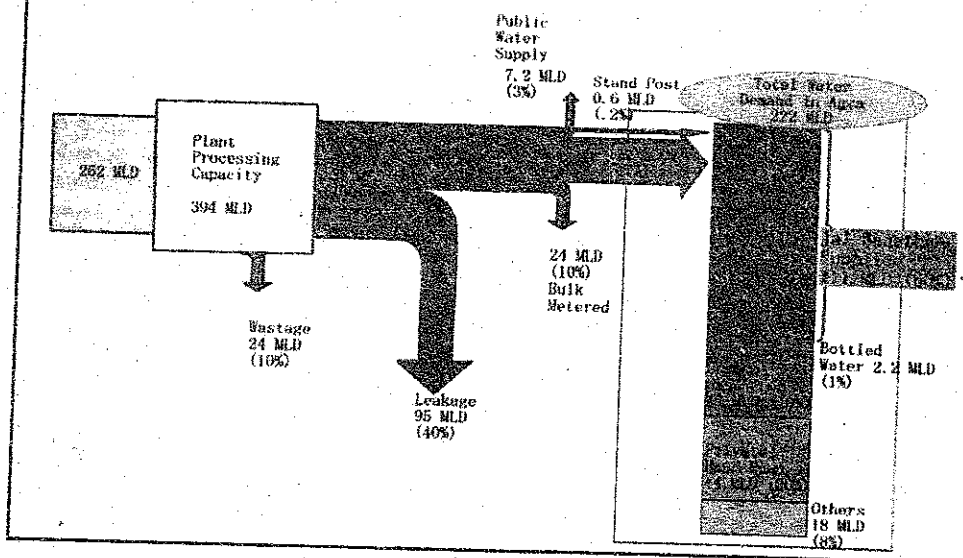
POPULATION FORECAST & REQUIREMENT OF RAW WATER

Year	Population	Water Demand (mld) (1981-85) = 177.56 (per An in OTHERED's Norma.	Bolt Water Demand (mld)	Total Water Demand (mld)	Raw Water Demand (100% shortage)	
					in mld	In cuft
2001	1,259,979	217	67	284	312	126
2006	1,410,980	212	72	284	287	107
2010	1,564,435	210	81	291	275	100
2011	1,600,299	276	83	359	395	160
2016	1,803,517	311	91	402	442	179
2021	2,032,540	350	98	448	493	199
2026	2,239,000	346	104	450	450	217
2031	2,581,529	445	112	557	613	248
2040	2,735,600	441	124	567	734	296

WATER DEMAND FOR GANGA & YAMUNA WATER IN VARIOUS YEARS

TOWN	YEAR	WATER DEMAND (CUSEC)	GANGA WATER (CUSEC)	YAMUNA WATER (CUSEC)	PERCENT- AGE OF DILUTION WITH YAMUNA WATER	REMARK
AGRA	2005	142	—	142	—	After dilution, quality of water will become potable and within the norms.
	2010	156	140	16	10%	
	2025	217	140	77	25%	
	2040	288	140	148	50%	

Schematic Approach for Water requirement Projection



Salient Features

AGRA WATER SUPPLY PROJECT UNDER JNNURM AGRA SALIENT FEATURES

S.No.	Description	Year	
		2001	2040
1.	POPULATION TOTAL	1259979	3135600
2.	RATE OF WATER SUPPLY (LPD)/	172.5	172.5
3.	SOURCE OF WATER SUPPLY	RIVER YAMUNA (Source augmentation not proposed in this DPR)	

Presently population of Agra is 14.19 Lakhs, there are 252 slums having population nearly 5.6 Lakhs i.e. 39%.

SC/ST population of Agra is 2.98 Lakhs i.e. 21%.

Salient Features

4. PROPOSALS

(i) New Zonal Pumping station of Ghatwassan Zone-II

- Consists
- (a) Two O.H.T.'s 2100 KL & 1500 KL
 - (b) Two C.W.R.'s 700 KL & 500 KL
 - (c) Feeder main of 350 & 300 mm dia
 - (d) Pumping Plants & other work.

An amount of Rs. 350.00 Lacs has already released by State Govt.

(ii) Construction of Zonal Pumping station at Subhash Park (Nai Ki Mandi) Consist :-

- a. O.H.T. 2300 KL
- b. C.W.R. 600 KL
- c. Feeder main 300 mm dia
- d. E/M Works for Pumping Station

1 No.

1 No.

Job

(iii) Distribution system & appurtenant works

Sl. No.	Particulars	Quantity	Rate	Amount
1	1. Distribution system			
2	2. Appurtenant works			
3	3. Feeder main			
4	4. Pumping plants			
5	5. Other works			
6	6. Total			

(iv) Repairing of old Over Head Tanks.

- a. At Kamla Nagar 750 KL
- b. At Kala Mahal 1360 KL
- c. At Mandi Saeed Khan 1100 KL
- d. At Kotwali 1650 KL
- e. At Bodla 1200 KL

(v) Repairing of old Clear Water Reservoirs

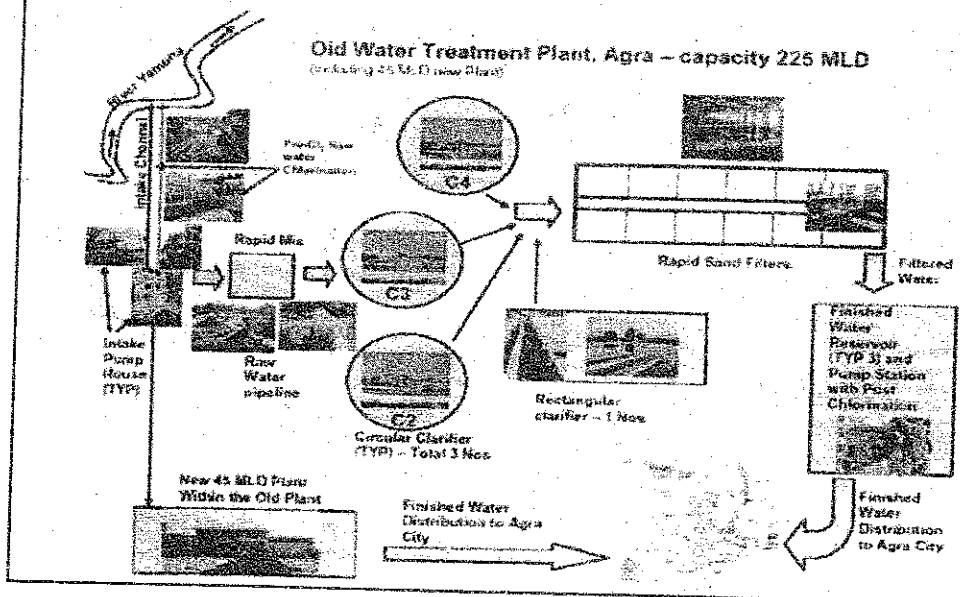
- a. At Bodla-I 3800 KL
- b. At Shahganj-II 4500 KL

(vi) Automization for Water Treatment Plants (20 MGD, 90 MGD & 10 MGD)	
a. Providing Instrument control panel	
b. Instrumentation item for W.T.P.	
c. Other accessories & cabling work	3 Lots
Automization for Clear Water System consisting 4 Pumping Station	
a. Providing Instrument for Control panel	4 Lots
b. Ultrasonic flow meters	4 Nos.
c. Sump level sensors	4 Nos.
d. Pressure sensors transmitter & indicator	4 Lots
e. other accessories & cabling work	4 Lots
Telemetry & SCADA station of M.C.S. Providing SCADA System	1 Lot
B. Automization of Raw Water System of W.W.-II (Sikandra)	
(i) Raw Water System	
a. Providing Instrument Control Panel	1 Lot
b. Ultrasonic flow meter	1 No.
c. Sump level sensor, Transmitter & Indicator	1 No.
d. Pressure sensors	1 Lot
e. other accessories & cabling work.	1 Lot
WATER TREATMENT PLANT	
a. Instrument control panel	1 Lot.
b. Instrumentation item for W.T.P.	1 No.
c. Other accessories & cabling work	1 Lot.
CLEAR WATER SYSTEM	
a. Instrument Control panel	1 Lot
b. Ultrasonic flow meters with flow indicator	1 No.
c. Sump level sensor	1 No.
d. Pressure sensor & transmitters & Indicator	1 Lot.
e. other accessories & cabling work	1 Lot.
SCADA Station for LCS at Sikandra SCADA system	1 Lot.
Automization for Zonal Pumping	
Different Zones	13 Nos.

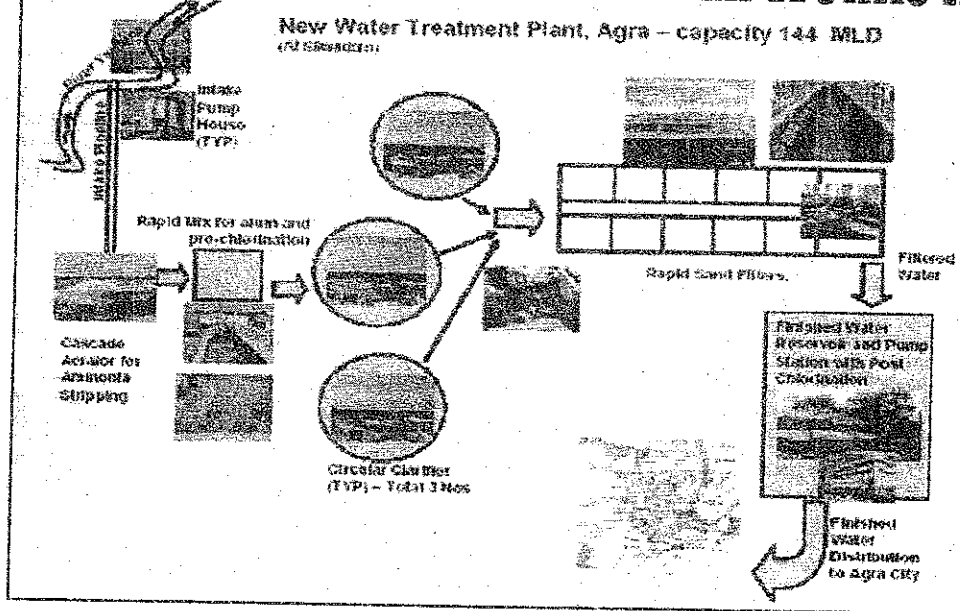
(vii) Changing the Balance existing damaged Rising main			
(viii) Leak Detection Equipments			
			2 Nos.
(ix) Balance works of Agra W/s Reorganization under T.T.Z. Programme.			
Total revised estimated cost of T.T.Z. was approved from state E.F.C. for Rs. 10762 lacs out which Rs. 7280 Lacs received from Govt. Hence provision for balance amount excluding reorganization of distribution network and centage has been taken under this DPR.			
(x) Roof Top rain water Harvesting & Ground Water Recharging			
It consists of 50 small units for recharging.			
(xi) Office buildings etc.			
a. At Kamla Nagar		1 set	
b. At Kala Maha!		1 set	

6. Period of Completion 26 months
7. Cost of Scheme Rs 9428.36 Lacs
8. Per capita cost of scheme Rs. 300.69 (On design population)
9. Contribution share (For capital cost)

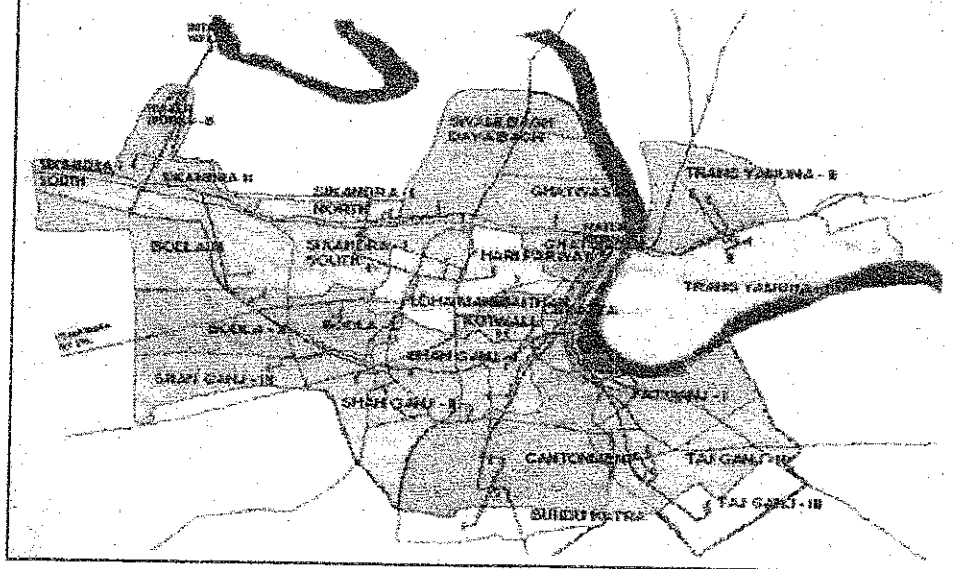
PROCESS SCHEMATIC OF WATER WORKS I



PROCESS SCHEMANTIC OF WATER WORKS II



Distribution Zonal Map of Agra WW





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LIST OF PARTICIPANTS OF 46th CSMC MEETING HELD ON 22nd February, 2008 AT 2.30 PM

1. Shri M. Ramachandran, Secretary (UD) – in the Chair
2. Shri R.K.Vats, JS&FA, MOUD
3. Shri A. K. Mehta, Director (NURM)
4. Shri R. Sethuraman, Advisor (PHEE), CPHEEO
5. Shri J.B. Kshirsagar, Chief Planner, TCPO
6. Shri P.K. Monga, Dy. Secy., D/o Expenditure, Ministry of Finance
7. Shri Vivek Nangia, Dy. Sec./MoHUPA
8. Smt. Esther Kar, Addl. DG, Press Information Bureau
9. Shri Chetan Vadya, Director, NIUA, Delhi
10. Shri Rajesh Mittal, Director (CSO) I, CPWD
11. Shri N. Venugopalan, DS (NURM-I)
12. Shri Mehar Singh, DS (NURM-II)
13. Shri M. Sankaranarayanan, Dy. Adviser, CPHEEO
14. Shri S. Kanakambaran, US (NURM.III)
15. Shri Rajesh Kumar, US (NURM-I)
16. Shri Rajesh Jaiswal, US (NURM-II)
17. Shri V.K.Chaurasia, Asstt. Advisor (PHEE), CPHEEO
18. Shri J.B. Ravinder, Asstt. Adviser (PHE), CPHEEO
19. Shri Ashwani Mittal, Executive Engineer, CPWD
20. Shri C.P.S. Vimal, Executive Engineer, CPWD
21. Shri K. Srinivas, Principal Consultant, TAG
22. Shri Raja Dawn, Technical Cell, JNNURM
23. Shri Sanjay Sharma, SO (NURM-II)
24. Shri Prem Narayan, SO (NURM-III)

Representatives from State Governments / Cities

1. Shri Vivek Bharadwaj, Special Secretary (UD), West Bengal, DF-8, Sector-I, 'Nagarayan' Salt Lake, Kolkata – 64
2. Shri N. Sehgal, Secretary, Urban Development, Govt. of U.P., Lucknow
3. Shri Barun Kumar Ray, Secretary, K.M.D.A. DD-1, Sector-I, Salt Lake, Kolkata-64
4. Shri Munni Lal Pandey, Nagar Aykat, Allahabad, U.P.
5. Shri A.K. Gupta, Chief Engineer, Directorate of Local Bodies, UP, 8th Floor, Indira Bhawan, Ashok Marg, Lucknow
6. Shri N Y Santre, Municipal Commissioner, Thane Municipal Corporation, Thane 400603
7. Shri K.D. Lalla, City Engineer, Thane Municipal Corporation, Thane
8. Shri Gopal Chakraborty, Chairman, Gaojeshpur Municipality, 3/1173(1), Goojeshpur PO – Gaojeshpur, Distt. Nadia, West Bengal
9. Shri K. Bhabthary, Chairman, Nabhati Municipality, I.R.B.C.R. and Naibati, PIN 24 Paragana, West Bengal
10. Dr. Arun Kumar, Health Officer, Nagar Nigam, Allahabad
11. Shri M.P. Hirlekar, Exe. Engineer, Thane Municipal Corporation, Dr. Almode Road, Manpada, Thane 400602, Maharashtra
12. Shri M.D. Nagvekar, Project Engineer, MWH India Pvt. Ltd. 168, Udyog Bhavan, Sonawala Road, Ceoragaon (E), Mumbai 400064
13. Shri D. Thara, Dy. Municipal Commissioner & Mission-in-charge, Ahmedabad Municipal Corporatio
15. Shri Vinay Deshpande, Tech Director & S.E., Pune Municipal Corporation, Pune
16. Shri Ambar Sharan Lal, M/s LOWE, 901-902, Tower- A, Signature Towers, South City – I, Gurgaon 122001

