

MODIFIED CLIMATE CHANGE AGENDA FOR DELHI 2009-2012

S.No	NAPCC Code	Sector	Sub Sector	Target 2012	Objective and Strategy to be adopted	Decisions of 16.1.12	Action by	Action Taken
1.	Sustainable Habitat	AIR	Transport get more CNG buses	12000 buses	<ul style="list-style-type: none"> • Augment public transport on CNG • Restructure bus transport system • Start infrastructure projects like bus parking, CNG stations, and common ticketing automatic fare collection 	Continuing activity	Transport	
2.	Sustainable Habitat	AIR	Transport Funding public transport	Rs. 1000 crores	<ul style="list-style-type: none"> • Finance public transport by creating a Transport Development Fund transfer some tax receipts from registration charges • Air Ambiance Fund to TDF 	To be created	Transport	
3.	Sustainable Habitat	AIR	Congestion tax to check growth of vehicle population	Substantially increase the road tax on cars	<ul style="list-style-type: none"> • To send a clear message to people that government is keen to promote greater use of public transport • Discourage use of private cars by increasing tax on private cars to contribute to Transport Development Fund discourage use of private vehicles. 	Instead of imposing congestion tax, it would be advisable to increase the parking charges by MCD/NDMC/DDA.	MCD/NDMC/DDA.	

4.	Sustainable Habitat	AIR	Check all industrial units for clean air	100% monitoring	<ul style="list-style-type: none"> To reduce the air pollution and improve the air quality in Delhi by encouraging all industrial units to conform to the air pollution norms of DPCC 	Continuing activity	Environment DPCC DSIIDC	
5.	Enhanced Energy Efficiency	LAND	<p>Use of CFL and recover of mercury from CFL lamps</p> <p>Study and create data base for mercury waste handling</p>	100% recovery to be aimed at	<ul style="list-style-type: none"> Industry, labor organizers should be able to cooperate in this by creating a system of replacing old bulbs for new to enable recovery of mercury after bulbs are fused, needs a vast army of rag pickers to be involved. This needs to be initiated for safety of citizens while using the lamps. Hold discussion and seminar on the problem to find a solution and create a knowledge base about the problem of mercury in CFL lamps. 	The concerned departments to take further necessary action regarding proper management of CFL	Environment DPCC DISCOM	

6.	Enhanced Energy Efficiency	LAND	Treatment of Electronic waste facility	100% treatment facility	<ul style="list-style-type: none"> To set up a electronic waste treatment facility in Delhi in collaboration with NGOs and other players active in this sector To set up a treatment facility in Delhi due to increasing use of computers and other electronic products 	<p>Take further necessary action in line with the E-waste rules, incorporating Extended User Responsibility.</p> <p>All departments to be advised to dispose off their E-waste through authorized E-waste recyclers, operating in the NCR</p>	Environment /DPCC	
7.	Sustainable Habitat	LAND	Industrial waste and hazardous waste treatment facility	100% Treatment of hazardous waste	<ul style="list-style-type: none"> Fifty acres are needed set up such a facility in Delhi The process of land identification and setting up the facility has to be done by Environment department to setup hazardous waste treatment facility site 	<p>MCD to take necessary action for clearing the high tension lines passing over the land. Remaining action to follow at Bawana Narela road site.</p>	Environment DISCOM MCD	
8.	Strategic Knowledge	LAND/ WATER	Bio-fuel usage to be encouraged by converting waste oil from restaurants/h	100 restaurants and hotels to join in this program and identify relevant technology	<ul style="list-style-type: none"> There is a need for collaboration between a scientific institution and business with and entrepreneur to do this including mandating use of bio-fuel by government in some 	<p>Take further necessary action on R&D project sanctioned to DTU. DPCC shall issue</p>	Environment DPCC	

			otels into bio-fuel		<p>application</p> <ul style="list-style-type: none"> To encourage restaurants to sell their waste fat and oil to an agency with the Delhi College of Engineering. 	directions to all hotels.		
9.	Strategic Knowledge	STRATEGIC KNOWLEDGE	CDM credits to study and set up a system for government	Delhi	<ul style="list-style-type: none"> Make progress in creating a data base for preparing projects by involve institutions to train staff to prepare projects for CDM 	To be explored for GHG related projects.	Environment	
10	Strategic Knowledge	STRATEGIC KNOWLEDGE	Hold one Asian conference in three years	Delhi	<ul style="list-style-type: none"> This would bring together planners and thinkers in the Asian context and the future of Asian cities to interact with major Indian and Asian cities on how they see climate change in Asian perspective. 	Environment to hold Asian Conference in 2012	Environment	
11	Green India	LAND/AIR	Forest Greening of Delhi	5 sq Km/yr in the next 5 yrs.	<ul style="list-style-type: none"> Involve all departments like DDA,PWD,CPWD, DMRC,NDMC, Park and Gardens Society, MCD and RWAs. Identify barren land area specially along greening increase the green cover to 33% of land area of Delhi 	Target revised. Forest cover to be increased by 5 sq Km/yr in the next 5 yrs.	Forest/DDA/MCD/NDMC/PWD/DP&GS	

12	Green India	LAND/ AIR	City forests of greening Greening the Delhi ridge area of South Delhi through Eco Task Force	Three city forests and one bio-diversity park Will cover an area of 1000 hectares for afforestation	<ul style="list-style-type: none"> • More city forests to be opened by forest department and bio-diversity Park by DDA. • To open nine more city forests and one bio-diversity park in Delhi to add to the carbon sinks. • Work can be taken up once the new Eco Task Force is in position to do the work in order to increase and intensity the greening of Delhi ridge area for which the new Eco Task Force is needed. 	Continuing activity	No Action	
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13	Sustainable Habitat	LAND/ AIR/W ATER	<p>Building construction to introduce green building technology</p> <p>Building retro fitment for energy efficiency in existing building</p>	<p>To reduce 5% energy consumption in all existing buildings</p> <p>5 buildings to taken up for retro fitment.</p>	<ul style="list-style-type: none"> To reduce the energy consumption in these buildings by 30-40% in relation to conventional buildings .Make at least 250 green buildings by adopting the green building standard and 50% buildings to be retrofitted for this and another 50% new buildings to be make Enlist a number of Energy Service Companies and special financing options through Delhi Financial Corporation and if necessary create a new fund under Energy Management Centre to introduce such measure including tariff rebate from DERC for such adoptions by institutions. To the use of new instruments to introduce Energy Efficiency in Existing building of large size having covered are a above 10,000 sq feet. 	<p>Target revised. To reduce 5% energy consumption in all existing buildings by adopting Green Building technology</p>	EEREMC/M CD/PWD/ND MC	
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14	Solar Mission	Solar Mission	Building construction solar water heating Solar Water in Government building construction	Five lakh liters capacity Install solar water heating in all Government buildings	<ul style="list-style-type: none"> Existing incentives of Rs 6000 per house hold and up to Rs. 60,000 for up to 1000 liters capacity for institutional and group housing and social welfare institution needs to be better marketed by Energy Management Centre of Environment Department to increase the capacity by ten times to five lakh liters of solar water heating capacity. Makes solar water heating a well accepted technology to save energy 	Continuing activity	EEREMC/Environment/PWD/ MCD	
15	Enhanced Energy Efficiency	AIR	Building retrofit for use of compact Fluorescent Lamps & LEDs	5% LED replacement in all Govt buildings.	<ul style="list-style-type: none"> CFL and LED bulbs can be promoted in all buildings Advertising to reduce energy consumption. DERC must make a policy in this regard and get NDPL and BSES to further promote rebate in use of CFL 	5% LED replacement in all Govt buildings.	EEREMC/Environment./ DISCOMs	
16	Enhanced Energy Efficiency	AIR	Energy conservation Awards to encourage conservation consciousness	Implement them in 2009	<ul style="list-style-type: none"> This will create awareness in incentives for residential colonies and institutional buildings to take up energy conservation measures as listed in this action plan To activate the institution of awards for energy conservation since the awards 	Energy Conservation Award to be set up.	EEREMC	

					have been decided but not implemented.			
17	Enhanced Energy Efficiency	AIR	Create data base on energy consumption to promote energy efficiency	All Government buildings to be directed to reduce their electricity consumption by 5% as compared to last year.	<ul style="list-style-type: none"> Encourage government buildings to take a lead in this, like government offices, hospitals, as well as corporate offices and malls and hotels and restaurants. This will enable large buildings to save and add to their profits by saving costs. 	All Government buildings to be directed to reduce their electricity consumption by 5% as compared to last year.	EEREMC	
18	Solar Mission	AIR	Renewable energy use	Targets to be revised in line with proposed RPO by DREC.	<ul style="list-style-type: none"> DERC to set standard to encourage use of renewable energy in tariff order. 	Targets to be revised in line with proposed RPO by DREC.	EEREMC	
19	Solar Mission	AIR	Energy efficiency	10% of all energy	<ul style="list-style-type: none"> DERC to set standards for energy efficiency in tariff order, including Time of Day metering for industrial and domestic use. 	DERC to be requested to set standards for time of day metering.	EEREMC	
20	Sustainable Habitat	LAND/WATER	Animal waste treatment in unauthorized dairies	100% relocation and treatment of animal waste	<ul style="list-style-type: none"> MCD must take this work seriously in a time bound manner as it has already been monitored by the High Court of Delhi and this relocation must include the treatment of animal waste like dung and conversion into methane gas for power generation and use of milk in modern chilling plant. 	MCD to take necessary action for setting up bio gas plants in unauthorized dairies.	MCD	
21	Sustainable Habitat	LAND	Building materials waste to be used by setting up C & D waste	25% C&D waste to be processed and treated for use in the construction Industry	<ul style="list-style-type: none"> Set up a facility at Burari by June 2009 for the 500 MT capacity initially Install a system for collection of the waste for treatment and review regulation for use of end product. 	All Govt. Departments to be directed to use tiles, made up of C&D waste.	Environment	

					<ul style="list-style-type: none"> This Facility to be setup by IC & FS 			
22	Water Mission	Water	Collect storm water from villages and provide proper drainage	All villages to be include in the program	<ul style="list-style-type: none"> The MCD is the local body which has to complete this task. Storm water needs to be collected so that it can be trapped for taking to the river and is not mixed with sewage water as it aggravates the pollution of the river. 	MCD to provide proper drainage in villages for collection of storm water.	MCD	
23	Water Mission	Water	Water use efficiency	DJB to take necessary action to reduce power consumption in STPs/water supply by 10%.	<ul style="list-style-type: none"> Leakages to be checked and high end users to be encouraged to use recycled water for toilet, gardens, washing and cooling. Detailed plan to be drawn up by DJB since National Action Plan has a target of 20% efficiency of use and this is achievable. 	DJB to take necessary action to reduce power consumption in STPs/water supply by 10%.	DJB	
24	Water Mission	Water	Waste water reuse to be started	DJB to make efforts for ensuring the reuse of 50 MGD of waste water in the next 5 yrs.	<ul style="list-style-type: none"> This requires a policy framework which needs to be created to incentivize the reuse of waste water with technical input including double piping in some buildings and changes in bye laws. This is a complex process and needs to be started for water conservation 	DJB to make efforts for ensuring the reuse of 50 MGD of waste water in the next 5 yrs.	DJB	
25	Water Mission	Water	Waste water treatment through interceptor sewers	Complete interceptor sewers to be done and project complete. Monitored closely.	<ul style="list-style-type: none"> The work has already begun and funds could be taken from JNNURM for the purpose. The interceptor sewer 	Necessary action to continue.	DJB	

					technology is being implemented by EIL for DJB			
26	Water Mission	Water	Waste water treatment by connecting all houses to existing sewer systems	Complete sewer connections	<ul style="list-style-type: none"> In many cases residents do not connect houses to sewer lines and discharge into drains and this needs to be stopped. To ensure 100% connections to sewer lines wherever existing. 	DJB to increase sewer network by 3% per year for the next 5 yrs.	DJB	
27	Water mission	Water	Water recharging by restoring water bodies	All water bodies to be restored and made green and areas of attraction	<ul style="list-style-type: none"> This is an important process of restoration of water bodies and a third party inspection is needed to assess its restoration. 600 water bodies have been identified and are being reclaimed by many institutions like Irrigation dept, DDA, DSIIDC, MCD, PWD etc. 	Some exper body like NEERI may be engaged for carrying out third party inspection.	DJB/DSIDC/I &F/MCD/DD A/Environment	
28	Water Mission	Water	Treatment of all the waste water by setting up STPs in villages	The work is to be completed by DJB	<ul style="list-style-type: none"> Villages have been neglected and the process of urbanization is putting enormous pressure on rural villages and the need to provide sewage connections cannot be underestimate. All villages and unauthorized colonies need to be provided with sewage connections and this is an important project. 	DJB to set up mini STPs in villages for treatment of waste water.	DJB	

29	Green India	LAND/ AIR	<p>Parks and gardens in colonies</p> <p>Greening Delhi by Delhi Parks & Gardens Society and RWAs</p> <p>Green Delhi campaign to compost dry leaves and green waste</p> <p>Green Delhi campaign in low income colonies by providing</p>	<p>1000 parks to be rejuvenated</p> <p>1000 parks to be developed using help of RWAs</p> <p>All colonies to start composting of leaves in government colonies and public parks</p> <p>100% in all colonies</p>	<ul style="list-style-type: none"> • Involvement of communities is essential as this will create awareness about climate change and create interest in community bhagidari about greening parks in colonies To identify parks and involve communities to maintain parks and give them financial assistance to do so and have trophy for encouraging effort of RWAs • The framework for giving assistance has been provided and it needs to be done and implemented by the Parks and Gardens Society and increase the number of parks in colonies which can be developed into carbon sinks. • Create a nucleus group to make the business of selling compost to the community and compost leaves at the same time.Each colony must be encouraged to have its own compost pit for green leaves and garden cutting which can provide compost to the community for their gardens in kitchens. • The samajik Suvidha Kendras can seek assistance of Delhi Parks and Gardens Society to 	Continuing activity	DP&GS	
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			assistance		start a campaign of greening initiatives.			
30	Green India	LAND	Green Delhi in schools by growing vegetable in school lands	1000 schools to start	<ul style="list-style-type: none"> • Provide help of temporary malis to take up the work with the help of schools to encourage schools to set up kitchen gardens in schools to provide food for the common kitchen in the school. 	Continuing activity	DP&GS Education	
31	Strategic knowledge	STRATEGIC KNOWLEDGE	Education and training	Full campaign in Delhi	<ul style="list-style-type: none"> • This is a long process of education and awareness. • This will need to involve every citizen of Delhi like communities, NGOs, schools, and colleges. • A massive campaign of awareness about the NAPCC and our targets for the same to be launched. 	Continuing activity	Environment	
32	Sustainable Habitat	Noise	Use of sound protected generators Implement	Full implementation with strict penalties Effective and full	<ul style="list-style-type: none"> • To launch a campaign for voluntary registration of organization using generators and ensure that they use noise protected generators and are penalized for violations. • A help line to be set up to receive complaints against 	Continuing activity	DPCC Environment Police	

			<p>SC order strictly restricting noise levels at night</p> <p>Promote less use of horns in vehicles</p>	<p>implementation</p> <p>Full campaign in Delhi</p>	<p>violators and take action post the event based on such complaints.</p> <ul style="list-style-type: none"> To ensure that all users insist no noise protected generators particularly tent wallahs. Launch a public campaign to educate people to follow SC order and care for the neighbors. Temples, mosques, and religious institutions to be involved and ensure all users of parks, community halls comply with SC order on controlling noise pollution. Launch a campaign to educate public owned vehicles to restrict use of horns and notify all horn free areas for public To educate people not to unnecessarily use loud horns to clear the way and show patience. Use of pressure horns is banned 			
33	Sustainable Habitat	Air	<p>Power generation to close coal fired power plants in next 5-6 years</p>	<p>To be done by 2009 for IP Station and by 2014 for Raj Ghat or earlier if Replacement</p>	<ul style="list-style-type: none"> Both the coal based power plants need to be shut down and the plant and machinery can be auctioned and the land can be put to alternative uses and augment capacity with CNG based power plants. 	Continuing activity	Power PGCL/PPCL	

34	Sustainable Habitat	Land/Water	Modernize chicken dressing plant in Ghazipur	100% modernization	<ul style="list-style-type: none"> • Must be done in a time bound manner by the Agricultural Marketing Board of Delhi. • To covert the facility into a modern facility with Effluent Treatment Plant and dressing plant. 	DDA to approve the building plans submitted by DAMB. Further action to be taken by DAMB.	DDA/DAMB	
35	Water Mission	Water	Waste water treatment for industry by improving works of ETPs	Make the ETP fully operational in all industrial estates	<ul style="list-style-type: none"> • This requires very close follow up because 15% of pollution in river Yamuna is on account of industrial pollution. • It needs to be addressed or else the interceptor sewer project will not be very successful in checking the pollution in river Yamuna. • To examine how the ETPs can be made fully effective and bring forth a viable plan. 	MCD to close down all steel pickling units in Wazirpur Indl. Areas as per the orders issued by DPCC which are functioning in violation of MPD 2021.	DSIIDC/Industry	
36	Strategic Knowledge	Strategic Knowledge	Bhagidari to increase awareness of climate change issues	Full campaign in Delhi	<ul style="list-style-type: none"> • This education program is important for building up ownership for the programs. • Bhagidari for awareness and ownership to be done in all colonies. 	Continuing activity	Bhagidari	