

22. Measuring the Success of “Delhi 21”

The journey to 2021 for Delhi with the vision outlined earlier has many dimensions and series of steps. Since situations are dynamic and actors on the scene are also changing, it is always necessary to poise and look back and adjust the steps in order to attain the desired goal.

Intermediate monitoring and evaluations can indicate whether the progress have both been on the right track or changes are necessary. This needs certain criteria for measuring and evaluating the progress achieved through the series of projects and institutional reforms.

Environmental quality often leads to health impacts and distribution impacts may

shape social acceptability. In order to simplify these criteria they may be grouped into the ‘3 E’s and ‘sustainability’.

Equity	distribution impact, affordability, rationality
Efficiency	environmental quality, cost effectiveness
Effectiveness	viability, health impact, social acceptability
Sustainability	long term effectiveness

Some achievement milestones to verify whether the Delhi 21 interventions have been successful are outline in table no. 22.1 on the next page.

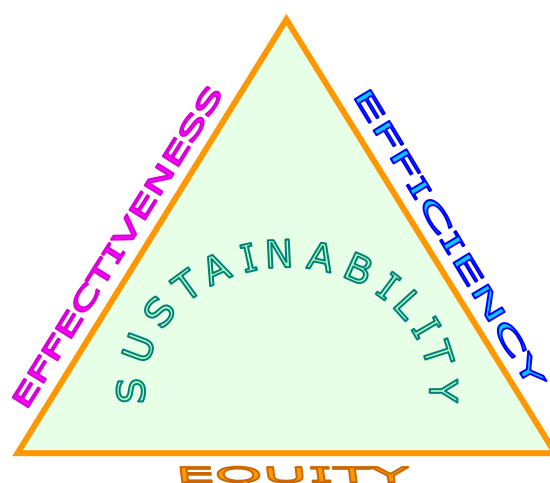


Table No.: 22.1 Indicators for Evaluating the Progress of Delhi 21

Year	Targets	Indicators
2006	▪ GNCTD in control of urban development ▪ Restructuring of GNCTD Depts and Municipalities initiated ▪ Capacity building of municipal and GNCTD departments initiated ▪ Resource mobilisation steps initiated ▪ Project Planning, Monitoring and Co-ordination Unit (PMCU) installed ▪ Equal investments in NCR towns initiated ▪ 100,000 households in JJ clusters provided better habitat ▪ New municipal and hazardous waste disposal sites operational ▪ Rehabilitation of Water supply and sewerage networks in progress	• Public satisfaction about services through opinion polls show positive improvement • Land and property record modernised with reduction in land/property legal disputes • Environmental indicators improved • Property tax collection improved and covers previously unlisted properties ▪ Water supply charges equal to real costs ▪ 40% of slum dwellers (year 2000 level) covered by suitable programmes of upgradation or relocation ▪ City streets and drains are cleaner ▪ Un-accounted for water reduced by 50% ▪ Substantial improvement in Yamuna river water quality
2011	▪ Municipal structure plan framework operational ▪ Rehabilitation of Water supply and sewerage networks completed ▪ Water supply and wastewater treatment facilities increased ▪ Investments made in public transport ▪ City traffic management schemes completed ▪ Road congestion and use of personalised vehicles reduced ▪ A further 150,000 households in JJ clusters provided better habitat ▪ Economy of DMA towns improved	▪ City growth accommodated in planned development and redevelopment areas ▪ Less congestion and densities of old colonies stabilised ▪ Water supply and wastewater networks serving almost 100% ▪ Yamuna river water with bathing quality standard for 90% of year ▪ Less waiting time at signal junctions ▪ Environmental levels and economic growth trends on target ▪ Rapid growth in jobs and population in DMA towns
2016	▪ Integrated mass transportation network fully operational ▪ A further 200,000 households in JJ clusters provided better habitat ▪ Investments in NCR towns completed ▪ DMA and NCR towns are more attractive for employment opportunities ▪ Water recycling and conservation measures operational	▪ Public acceptability of mass transportation and fewer cars and scooters on roads, substantial reduction in waiting time at signalled junctions ▪ Increased flows of commuters to DMA towns from Delhi ▪ Growth in employment and population increasing faster in DMA towns ▪ Ground water levels higher and of good quality
2021	▪ Environmental indicators within international standards ▪ Problems of unauthorised developments and JJ Clusters solved ▪ Various measures in infrastructure services fully operational	City internationally acclaimed for appropriate measures and achievements in environmental and development management