

ITEM NO. 06 (W-01)

1. **Name of the Subject/Project:**
Revision in the Smart City Proposal submitted to the Ministry of Urban Development, Government of India on 15th December, 2015
2. **Name of the Department:**
Project Department, New Delhi Municipal Council.
3. **Brief history of the subject:**
 - 3.1 Government of India (GOI) Ministry of Urban Development (MoUD) launched Smart City Mission on 25th June, 2015 to develop 100 cities throughout the country as Smart Cities who will be given matching grant of Rs.500 crores each from the Government of India and same amount to be arranged by the Urban Local Body (ULB)/State. The mission is a centrally sponsored scheme lunched and steered by the MoUD, GOI.
 - 3.2 New Delhi Municipal Council (NDMC) has been selected by MoUD after due recommendations by the State Level High Powered Steering Committee (HPSC), Government of NCT of Delhi (GNCTD) to participate in the second stage – City Challenge Round 1 for selection, which was announced on 27th August 2015. In total 97 cities were selected for participation in Stage 2 of City Challenge Round 1.
 - 3.3 The Smart City Proposal (SCP) was to be submitted by 15.12.2015 for consideration in the Stage 2 of City Challenge Round 1 for grants of fund from MoUD after approval from Council and the HPSC.
 - 3.4 A Smart City Proposal was prepared by NDMC, which was approved by the Council vide Resolution No.24 (W-01) dated 7.12.2015. This SCP was considered and approved by HPSC on 11.12.2015 with certain suggestions. The suggestions made by the HPSC were incorporated in the SCP, and the revised SCP was considered and approved by the Council on 15.12.2015 vide Resolution No. 24(W-01). The approved SCP was submitted to the MoUD on 15.12.2015.
 - 3.5 NDMC has been selected as one of the 20 Cities by the MoUD under City Challenge Round 1 of the Smart City Mission of the GOI on 28th January, 2016.
4. **Detailed proposal on the subject:**
 - 4.1 MoUD vide D.O. letter No. K-15016/209/2015-SC-I dated 03.02.2016 Annexure -1 (See Page- 46) informed that while assessing the Smart City proposals, the Panel of Experts has made some observations about how improvements can be made in each proposal. A copy of the observations of the Panel of Experts in the SCP of NDMC has been forwarded by the MoUD vide letter No. K-15016/209/2015-SC-I dated 09.02.2016 Annexure -2 (See Pages 47 - 48). It is informed that first installment of Central share under the Smart Cities Mission will be released by the MoUD on submission of the revised SCP and the establishment of the Special Purpose Vehicle. MoUD vide letter No. K-15016/157/2015-SC-I ₹ 16.02.2016 informed that the revisions / changes should be in different font, colour as in the SCP already submitted in Stage 2, Round 1.
 - 4.2 In view of the observations made by the Panel of Experts as communicated by the MoUD, the following changes have been made in the Smart City Proposal:

4.2.1 Panel of Experts Observation No. 1

Initiatives such as one card for all banking insurance movie tickets etc. and on street video conference, world city awards etc. will require extensive coordination between stakeholders

Proposed change in the Smart City Proposal (SCP)

The following has been added to Question 15 at page 34-35 of the SCP as additional risk factor with mitigation plan for extensive stakeholder coordination for all projects:

Content in the submitted Smart City Proposal	Proposed Revision
"Nil"	<p>Stakeholders: The Stakeholders for 'One Card' will be the ULB, citizens, financial partner institution and the Government.</p> <p>Risk Mitigation: NDMC will go for intensive coordination stakeholders through in collaboration with identified financial partner institution for implementation of the 'One Card through: (a) Setting up of information kiosks at major nodes (metro stations, shopping centres, banks) in collaboration with NDMC's financial partner institution (b) Comprehensive social media campaign with citizens with regard to access and benefits (c) Advertisement of the 'One Card' through FM Radio, Social media, Movie Theatres, outdoor billboards and metro stations</p> <p>Stakeholders: The Stakeholders for 'World City Awards' will be the ULBs of shortlisted cities based on City Benchmarks, citizens, Event Managers, Corporate Partners, Hospitality Partners and Knowledge Partners and Key Sponsors.</p> <p>Risk Mitigation: NDMC will have intensive coordination along stakeholders in collaboration with identified partner institution for management and execution of 'World City Award' through (a) Evaluation of tie-ups/alliance with event managers/ partners/ research firms etc. for the event (b) Selection of ULBs nationally and globally through City Benchmarking (c) Awards for the best Capital Cities on themes related to smart solutions, Emotional connect with the citizens, Promotion of local heritage, Creation of a tourism asset through a marquee event (d) Comprehensive social media campaign for engaging with citizens and the above stakeholders.</p> <p>Stakeholders: The Stakeholders for 'Gateway to the World: On-street Live Video Conferencing between people of Delhi and multiple Global Cities' will, Citizens of multiple Global Cities, Embassies and Partner Cities globally. A similar initiative was undertaken during the India-Africa Summit 2015, wherein NDMC proposes to replicate such initiatives at least once a month.</p> <p>Risk Mitigation:</p>

	NDMC will strengthen coordination between stakeholders through (a) Alliances with ULBs globally through coordination with Embassies in New Delhi (b) Comprehensive social media campaign for engaging with citizens and the above stakeholders.
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4.2.2 Panel of Experts Observation No. 2

Interventions such as “happiness areas” need more detailing

Proposed change in the Smart City Proposal (SCP)

The following has been added to Q-16 (5) in page 38 as details of the interventions to be undertaken in the happiness areas:

Content in the submitted Smart City Proposal	Proposed Revision
Output: Enhanced quality of life for citizens through improved access to public amenities, improved aesthetics of the city, availability of more open spaces and green spaces, communication Channel for advertising government schemes, achievements & updates	Output: Enhanced quality of life for citizens through improved access to public amenities, improved aesthetics of the city, availability of more open spaces and green spaces, communication Channel for advertising government schemes, achievements & updates *Objective of Happiness Areas: Redesign of existing public spaces for hosting wellness/ happiness areas by organizing cultural and social activities on regular basis throughout the year. The scope of the intervention includes indoor and outdoor facilities in the following areas: arts and culture, fitness arenas and skating surfaces, gymnasiums and multipurpose spaces, outdoor sports complexes, and other recreational outdoor spaces. NDMC recognizes that local sport, culture and recreation facilities – including parks and open spaces – are vital to building a sustainable future and in achieving its Vision “To be the Global Benchmark for a Capital City”.

4.2.3 Panel of Experts Observation No. 3

ABD requires real time involvement of numerous property owners plans to secure their continued commitment to the proposal are necessary

Proposed change in the Smart City Proposal (SCP)

In “Addendum to Annexure III”, for each ABD project it has been identified whether it impacts the property owners (directly or indirectly) and action plan has been formulated on how to involve them.

Content in the submitted Smart City Proposal	Proposed Revision
“Nil”	Added in “Addendum to Annexure III”

4.2.4 Panel of Experts Observation No. 4

Metrics for city vision need to be calculated for 2019, since the 2025 goals are highly ambitious. Also the metrics as of base year need to be indicated to understand the gaps

Proposed change in the Smart City Proposal (SCP)

The metrics of the base year *i.e.* 2015 along with 2019 has been provided as an “Addendum to Annexure III”. Understanding the gaps, metrics such as 7, 8, 10, 11, 15, 16, 18, 22, 26, 27, 28, 32 have been revisited and targets of 2025 have been recalculated [Q 5, page 16 & 17 of the SCP].

Sl. No	Metric	Content Submitted in the RFP	Proposed Revision
		NDMC 2025	NDMC 2025
7	Fine particulate matter (PM 2.5)	10 µg/m ³	60 µg/m ³
8	Fine particulate matter (PM 10)	20 µg/m ³	100 µg/m ³
10	Capital spending as a percentage of total expenditures	50%	20%
11	Own-source revenue as a percentage of total revenues	100%	95%
15	Square meters of public indoor recreation space per capita	9 sq. m	0.1 sq. m
16	Square meters of public outdoor recreation space per capita	120 sq. m	20 sq. m
18	Number of homeless per 100 000 population	5	0
22	Number of cell phone connections per 100 000 population	200000	80000
26	Annual number of public transport trips per capita	3000	300
27	Number of personal automobiles per capita	0.10	0.60
28	Green area (hectares) per 100 000 population	1000	190
32	Percentage of the city's wastewater receiving tertiary treatment	100%	10%

4.2.5 Panel of Experts Observation No. 5

Pedestrianization plan mentions removal of hawkers-need to be reworked so as to make strategy more inclusive and aligned with National policy

Proposed change in the Smart City Proposal (SCP)

The provisions of Street Vendors Act (2014) will be complied with for removal of hawkers. The same has been elaborated in Q.11 (i) (xi) at page 27 of the SCP. Detailed procedures to be followed is given in Q12 (i) with *** at page 28 of the SCP.

Content in the submitted Smart City Proposal	Proposed Revision
Pedestrianization of Inner Circle CP, free from unauthorized hawkers	<p>Pedestrianization of Inner Circle CP, free from unauthorized hawkers in accordance with Street Vendors Act(2014)</p> <p><u>Detailed Procedure</u> Implementation of Pedestrianization of Inner Circle CP will take place in accordance with Street Vendors Act (2014). All the street vendors will be accommodated in designated vending zone. In case, all the</p>

	vendors cannot be accommodated in the same vending zone, allocation of space will be made by drawing of lots.
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4.2.6 Panel of Experts Observation No. 6

The city is also covered or proposed to be covered under CGD network of MoP and city should also converge with MoP and natural gas in the proposal

Proposed change in the Smart City Proposal (SCP)

It is proposed provisions will be made in the sensor based multi utility duct for developing CGD network. This is added in Q 16 (2) at page 37 of the SCP.

Content in the submitted Smart City Proposal	Proposed Revision
"Nil"	Multi-utility Duct: Depending upon the availability of the technology, provision will be made for City Gas distribution Network through the utility duct

4.2.7 Panel of Experts Observation No. 7

Leverage Make in India, Skill India and Start up India

Proposed change in the Smart City Proposal (SCP)

Convergence has been identified with multiple projects under Skill India and Start up India. It has been detailed in Q 13 at page 30 and Q. 14 at page 32 of the SCP

Content in the submitted Smart City Proposal	Proposed Revision
<p><u>Make in India</u> The Solar Power Project falls under the Renewable energy sector of "Make in India". NDMC will try to procure the solar PV panels Made in India. In addition, as part of the proposed Smart City Policy of NDMC, preference will be given for procurement from startups and Indian firms.</p>	<p><u>Q13</u> <u>Start up India</u> "Electric Vehicles (EV's)", "Smart Parking App" and "Smart mini STP" are unique concepts which will attract various start-up firms to implement these projects. Thus this initiatives can get benefits under Startup India.</p> <p><u>Skill India</u> Initiatives such as education of children and youth of the Jhuggi Jhopdi clusters through skill transfer and mentorship by senior citizens in various areas of expertise will converge with the National Urban Livelihoods Mission (NULM) scheme of the Government of India.</p> <p><u>Q14</u> <u>Skill India</u> Initiatives such as education of children and youth of the Juggi Jhopdi clusters through skill transfer and mentorship by senior citizens in various areas of expertise will converge with the National Urban Livelihoods Mission (NULM) scheme of the Government of India as well as with Pradhan Mantri Kaushal Vikas Yojana (PMKVY) under</p>

	<p>the Ministry of Skill Development and Entrepreneurship wherein the youth will be eligible to receive outcome based training with rewards. Other skill development initiatives include extensive capacity building and skill development of the stakeholders responsible for the implementation of the ABD as well as the PAN city initiative through setting up of world class Skill Training Centre for imparting various skills related solar energy management, 3D design and printing, computer based design and animation. School infrastructure after normal school timings would be used for imparting skills in the aforementioned areas. These are in line with the National Policy for skill development and entrepreneurship wherein various mentioned initiatives such as setting up of multi-skill institutes through appropriate PPP models with the help of Government funding will be explored.</p> <p><u>Start-Up India</u></p> <p>Various initiatives such as “Electric Vehicles (EV's) based last mile connectivity”, “Citizen application for car-pooling/cycling/traffic conditions/CCTV videos/air quality/e-challan etc.”, “Creating volunteer ecosystem”, “Smart Parking App” and “Smart mini STP” are unique concepts within the NDMC SCP, which have been discussed in detail at the idea stage with various start-up vendors. These initiatives will provide opportunities for start-ups to function as implementation partners of NDMC. These projects have the potential to avail the benefits of Start-Up India policy of Government of India if implemented by the start-up organizations. Benefits will include those declared under the Prime Minister’s 19 Action Plan for Start-ups such as incubation opportunity, substantial tax breaks, and relaxed norms of public procurement among others.</p>
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4.2.8 Panel of Experts Observation No. 8
Linkages between PAN city and ABD

Proposed change in the Smart City Proposal (SCP)

The following has been added to Q21, last paragraph at page 49 of the SCP:

Content in the submitted Smart City Proposal	Proposed Revision
<p>Make in India: NDMC proposes to procure most of the equipments of the solar power project made in India under this scheme.</p>	<p>There are sub-components of PAN city projects which are applicable within the area chosen for ABD i.e. NDCC. Following the same, linkages of the PAN city initiatives with the Area Based Development projects were also established as given below:</p> <p>1) e-governance: Online provisions for bill payment for common utility services, grievance redressal for</p>

	<p>utilities related to power, water supply & MSW through mobile applications.</p> <p>2) Smart Water & Wastewater management: 24x7 water supply and dependable, cheaper, clean power in Area Based Development</p> <p>3) Smart Education – Skill Development Centres</p> <p>4) Smart Health – Air Quality monitoring</p>
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4.2.9 Panel of Experts Observation No. 9

Energy mix and leveraging of renewables needs attention

Proposed change in the Smart City Proposal (SCP)

Details on the current level of energy mix along with future target has been mentioned Q12(i) with * at page 28 of the SCP:

Content in the submitted Smart City Proposal	Proposed Revision
Sustainability through solar installation	NDMC plans to set up 40 MW of Solar Power by 2020 which will increase the share of renewable energy from the current levels of around 2% to around 25% of the energy mix.

4.2.10 Panel of Experts Observation No. 10

Dovetailing of rainwater harvesting, water management and solar installation needs to be explored in greater detail

Proposed change in the Smart City Proposal (SCP)

The details of the technology to be adopted has been mentioned in “Addendum to Annexure III” and a brief description is added to Q12 (i) with a ** at page 28 of the SCP:

Content in the submitted Smart City Proposal	Proposed Revision
Sustainability through solar installation	The technology which will be implemented for Smart Mini STP incorporates the provision of integrating the options of wastewater management and storm water management. Energy for the plant can be provided through utilization of the space permitting installation of solar panels with battery storage to provide power requirement for the pumps. The details of the technology description is provided in “Addendum to Annexure 3”

4.2.11 Panel of Experts Observation No. 11

Strategy for replicating the ABD in other parts of NDMC needs substantiation

Proposed change in the Smart City Proposal (SCP)

Replication potential has been added as a critical success factor and strategy and areas for adopting the same has been added to Q 17 at page 41 of the SCP:

Content in the submitted Smart City Proposal	Proposed Revision
"Nil"	<p>Replication potential of the ABD projects- This is a critical success factor since replication potential throughout the NDMC area will help in sustainability of these projects in the long term as well as will extend benefits to greater number of citizens</p> <p>NDMC through the stakeholder consultation chose projects in the NDCC area which has replication potential in other areas of NDMC as well. Few such initiatives are already planned to be replicated in Sarojini Nagar, Gole Market, Khan Market, Chanakyapuri & Bengali Market post the implementation in NDCC are:</p> <p>(i) Enhancement of para-transit including PELICAN crossing facilities for differently-abled/ senior-citizens (ii) Electric Vehicles (EV's) based last mile connectivity to Metro/ Bus Transport System/ park and ride to connect all Metro/ Bus Stops to other parts of NDCC including all major car parking facilities (iii) First in the world EV charging facility at each parking bay (iv) Construction of mobile application integrated cycle tracks in identified routes (vi) e-surveillance including e-challan for enforcing traffic discipline (vii) Providing parking for Intermediate-Public-Transport (IPT) such as Taxi, Auto (viii) Smart bus-stops-providing interactive bus information system/ ATM/ wi-fi hotspot/ vending machine (x) Converting existing parking into Sensor based Smart Parking Management System linked to a centralized Mobile App (3)Transformation of electric-Poles into Smart Poles with LEDs having incident-driven-controllers; communication-infrastructure, Wi-Fi access points, air-quality sensors, noise-pollution sensors (4) Hierarchical Command and Control Centre for integrated Urban management & Public Safety/Security (7)Signature Giant Smart Digital Screen-Traffic Info/Social Messaging/Alerts/Cricket/Advt (9) MSWM (i) Extending door to door municipal waste management for commercial/ institutional areas,including biometric attendance, RFID based bin monitoring, app-based citizen monitoring (ii) Green(Horticulture waste) to Gas Smart plant. (10) Transforming Public Toilets into Smart Public Amenities Centres (11) Financial, Identity, Ticketing & Access inclusion (13, c) Creating volunteer ecosystem.</p> <p>During the implementation phase of these projects in the NDCC area, a stakeholder consultation will be carried out through myGov, Social Media, face-to-face consultations with the aforementioned regions in mind. Following the response of the stakeholders, the regions will be finalized and the projects will be replicated.</p>

4.3 In the Smart City proposal submitted by the NDMC, it was informed that there are no enabling provisions for establishment an SPV and the Council resolved to propose the following to the Ministry of Home Affairs to enable creation of the SPV and matters connected therewith:

- (a) appropriate amendment to the NDMC Act, 1994 or
- (b) directions by the Central Government under Section 395 of the NDMC Act, 1994 permitting establishment of such SPV.

Further, it was proposed that till the establishment of the SPV, the NDMC Council, being autonomous within the mandate given in the Act and financially self-sufficient, will perform the functions of the SPV. The role and functions of the CEO will be performed by the Secretary NDMC, who is an IAS officer. SPV will plan, appraise, approve, release funds, implement, manage, operate, monitor and evaluate the Smart City development projects.

The Ministry of Urban Development vide letter No. K-15016/61/2015-SC-I dated 28.1.2016 has invited the attention to the Smart Cities Mission Guidelines for creation of City Level Special Purpose vehicle (SPV) as a limited company incorporated under the Companies Act, 2013. MoUD has asked for establishment of the SPV, which is to be informed to it in order to claim the first installment under the Smart Cities Mission.

The matter of establishment of the SPV is reconsidered, and it is observed that establishment of a Special Purpose Vehicle (a 100% Public Limited Company fully owned by NDMC) may be considered under the provisions of section 12(z) of the New Delhi Municipal Council Act, 1994. Section 12(z) of the NDMC Act, 1994 is reproduced as follows:

"12. Discretionary functions of the Council.- Subject to any general or special order of the Government, or the Central Government from time to time, the Council may provide either wholly or in part for all or any of the following matters, namely:-

...

(z) any measure not hereinbefore specifically mentioned, likely to promote, public safety, health, convenience or general welfare."

Accordingly, the following changes have been made in Q. 33 at page 69 of the SCP:

Content in the submitted Smart City Proposal	Proposed Revision
<p>The New Delhi Municipal Council vide resolution dated 07/12/2015 approved-(a) Smart City Plan including Financial Plan (b) Proposal for setting up Special Purpose Vehicle.</p> <p>The proposed SPV will be a 100% public ltd. company wholly owned by NDMC. The Council will lay down the broad policy framework for the functioning of the SPV and review its working. The Council will approve the annual plan and annual budget of the SPV upon the recommendation of the CEO.</p> <p>A full time CEO or MD from the IAS cadre (appointed with the approval of Ministry of Home Affairs) will manage, administer and supervise the SPV, and will monitor and review the expenditure of the SPV at regular intervals. While discharging his functions, the CEO will follow the policy framework and the directions of the Council.</p> <p>The CEO would be assisted by a team of professional and officers from the state/ central government as well as the private sector - under the overall control and supervision of the Board of Directors.</p> <p>The Board of Director will directly oversee the functions of various other personnel (General Managers (GMs)) designated for areas such as Administration, Urban Affairs, Technical, Project Finance, Finance and Accounts, SPV Trust and Company Affairs. The proposed structure until creation of the SPV meets all the requirements of the guidelines.</p>	<p>The New Delhi Municipal Council vide resolution dated 07/12/2015 read with resolution dated 15/12/2015 approved-(a) Smart City Plan including Financial Plan (b) Proposal for setting up Special Purpose Vehicle.</p> <p>The case is also placed before the Council along with this agenda for approval of Memorandum of Association and Article of Association for establishment of the SPV under the provisions of section 12(z) of the NDMC Act, 1994. The proposed SPV will be a 100% Public Ltd. Company wholly owned by NDMC.</p> <p>A full time CEO will be appointed with the approval of Ministry of</p>

<p>Funds will be procured from the Central government as well as various bilateral and multilateral institutions. There is no enabling provision for creation of an SPV as per the NDMC Act 1994. Therefore, the Council has resolved to propose the following to the Ministry of Home Affairs to enable creation of the SPV and matters connected therewith:</p> <p>a) appropriate amendment to the NDMC Act, 1994 or b) directions by the Central government under section 395 of the NDMC Act, 1994 permitting formation of such SPV.</p> <p>Till the formation of the SPV, it is proposed that the Council, being autonomous within the mandate given in the Act and financially self-sufficient, will be in a position to perform the functions of the SPV.</p> <p>The Council is represented by 2 Union Ministries (Ministry of Home Affairs and Ministry of Urban Development) and the Government of NCT of Delhi. The Council consists of 13 members including a member of parliament, 2 members of Delhi legislative assembly, a chairperson (not below the rank of joint secretary to the Government of India), 5 officers of the Central Government and 4 nominated eminent personalities from the society.</p> <p>The role and functions of the CEO will be performed by the Secretary NDMC, who is an IAS officer.</p>	<p>Home Affairs/MoUD, who will manage, administer and supervise the SPV, and will monitor and review the expenditure of the SPV at regular intervals. The CEO would be assisted by a team of professional and officers from the state/ central government as well as the private sector - under the overall control and supervision of the Board of Directors.</p> <p>Till appointment of regular CEO by Ministry of Home Affairs/MoUD, it is proposed that the role and functions of the CEO will be performed by the Secretary NDMC, who is an IAS officer.</p>
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5. **Financial implication of the project:**
No financial implication.
6. **Comments of Finance Department:**
Finance Department informed that the proposal may be processed.
7. **Comments of the Department on comments of Finance Department:**
No comments.
8. **Legal Implication on the subject/project:**
No legal issues involved in the matter.
9. **Details of previous Council Resolution, existing law of Parliament and Assembly on the subject:**
Council's Resolution No. 24(W-01) dated 7.12.2015 and Resolution No.24(W-01) dated 15.12.2015.
10. **Comments of the Law Department on the subject/project:**
Law Department informed that no legal issues involved.
11. **Comments of the Department on the comments of Law Department:**
No comments.
12. **Certification by the Department that all Central Vigilance Commission (CVC) guidelines have been followed while processing the case:**
Not applicable.
13. **Recommendation:**
As the New Delhi Municipal Council (NDMC) has been selected as one of the cities for the Smart Cities Mission of the Government of India, MoUD on 28 January 2015, approval of the Council is sought for:

- (i) furnishing the revised Smart City Proposal to the MoUD after incorporating the changes as mentioned at para 4 above;
- (ii) such submission shall be done after the approval of the State Level High Powered Steering Committee, Government of NCT of Delhi.

14. Draft resolution:

The Council resolved to accord the permission for:

- (i) furnishing the revised Smart City Proposal to the MoUD after incorporating the changes as mentioned at para 4 above;
- (ii) such submission shall be done after the approval of the State Level High Powered Steering Committee, Government of NCT of Delhi.


It is further resolved that the Department may initiate immediate action in anticipation of confirmation of the minutes by the Council.

COUNCIL'S DECISION

Resolved by the Council to accord permission for:

- (i) furnishing the revised Smart City Proposal to the Ministry of Urban Development, Government of India, after incorporating the changes as mentioned in the proposal;
- (ii) such submission shall be done after the approval of the State Level High Powered Steering Committee, Government of NCT of Delhi.

It was further resolved by the Council that the department may initiate further necessary action in anticipation of confirmation of the minutes of the Council.


**For Secretary
New Delhi Municipal Council
Patika Kendra, New Delhi**