



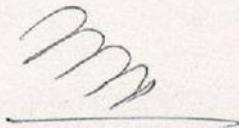
# ANNEXURE 4

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MINUTES OF MEETING OF STATE LEVEL HIGH POWERED STEERING COMMITTEE (HPSC) ON 11.12.2015 AT 12:45 PM AT CONFERENCE HALL No.3, 2<sup>nd</sup> FLOOR DELHI SECRETARIAT, NEW DELHI -110103 REGARDING THE REVIEW OF SMART CITY PROPOSAL OF NEW DELHI MUNICIPAL COUNCIL

1. The State Level High Powered Steering Committee (HPSC) held the meeting at 12:45 hrs on 11.12.2015 under the Chairmanship of Chief Secretary, GNCT of Delhi to review the Smart City Proposal (SCP) of NDMC for participation in City Challenge Round-1 of Stage-2 under Smart City Mission of Govt. of India
2. The Chairman, NDMC briefed the Members of HPSC on the salient features of the Smart City Proposal (SCP) prepared after due consultations with various stakeholders including the residents of New Delhi Municipal area. The Chairman, NDMC highlighted the approach and methodology, key components of Area Based development plan of New Delhi Municipal City Center (NDCC) and Pan City Proposal, financial and execution plans. The Chairman informed that the Smart City Proposal (SCP) has been prepared in accordance with the City Mission guidelines of Govt. of India and the template for composition of Smart City Proposal (SCP) provided by the MoUD, GOI.
3. The Chairman, NDMC informed that the Smart City Proposal (SCP) has already been approved by the Council of NDMC.
4. A presentation on the Smart City Proposal (SCP), NDMC was made before the Committee.
5. Smart City Proposal (SCP) as submitted by the NDMC was approved with following suggestions:-
  - a) To include an annexure to the SCP on the rain harvesting project under the Smart and Waste water management of the Pan City Component.
  - b) To mention the initiative of measuring city level air quality index and dissemination of information on specific air pollutant through public displays and appropriate mitigation in this regard under the Smart Health component of the Pan City.



- c) To include the strategy for achieving pedestrainization of inner circle, Connaught Place vis-à-vis the street vending and hawking regulations in the Area Based component of Smart City Proposal (SCP). The SCP to incorporate, of unauthorized vendors/hawkers in the Connaught Place inner circle and its adjoining areas and to ensure impediment fee pedestrainization. The street vendor/hawkers, if need arises, be relocated within a compact area/areas near Connaught Place as per the provisions of Street Vendors (Protection of Livelihood and Regulation of Street Vending) Act, 2014.

6. The HPSC approved the Smart City Proposal (SCP) of NDMC, and agreed that same may be forwarded to the MoUD by NDMC#

Signatures of the attendees

<u>J. Agrewal</u> 11/12/15 JP Agrewal Pr. Commr SOA GNCTD	<u>Dr. B. K. Sharma</u> Director (Plg) GNCTD	<u>S. N. Lakshmi</u> Pr Secy Finance GNCTD	<u>B. L. SHARMA</u> Sp. Secretary (UD)
<u>Association Township Country House FCPO</u> by for 11/12/2015 VK Jain CEO DCSIB	<u>H. Singh</u> HPSINGH SE (Roads) NDMC	<u>K. J. Singh</u> 11/12/15 ANANT KUMAR CE/NDMC	<u>Dr. M. S. NATH</u> Dir. (M.S)
<u>U. SACHIDANA</u> Eng./SDMC	<u>V. Singh</u> FE/SDMC	<u>M. Kumar</u> (MARESH Kumar) NDMC	

Chief Secretary, GNCT of Delhi

K. Sharma  
11/12/2015

**4.2 Incorporation of the suggestions made by the State Level High Powered Steering Committee (HPSC) as recorded in the minutes of the meeting held on 11.12.2015 under the Chairmanship of Chief Secretary, Government of NCT of Delhi regarding Smart City Proposal (SCP) of New Delhi Municipal Council (NDMC)**

**(i) Suggestions made in Para 5(a) regarding rain water harvesting projects**

Dealt in Questions 19, 20 and 31

**(ii) Suggestions made in Para 5(b) regarding air quality**

Dealt in Questions 5, 11, 12, 14, 16, 18, 19, 20, 30, 31, 32

**(iii) Suggestions made in Para 5(c) regarding Strategy for achieving pedestrianization in inner circle CP and adjoining areas vis-à-vis the street vending and hawking regulations**

Dealt in Questions 11, 14, 16, 31, 32 and 38.

Towards the goal of pedestrianization of inner circle CP, the area will be transformed into a vibrant citizen area with co-option of street vendors and hawkers, in a strictly regulated manner, supported through the enforcement provisions laid in the Street Vendors (Protection of Livelihood and Regulation of Street Vending) Act, 2014. This would help pedestrians to be able to use the pedestrian area without impediments.

NDMC proposes to further regulate the street vendors/ hawkers ecosystem by creating a well-defined hawker zone in given constraints. In order to regulate street vending hawking, bio metric cards are being prepared for easy verification & authentication, and to avoid subletting of tehbazaari. The NDMC will take necessary action with respect to declaring inner circle of CP pedestrian zones as vending free zone within the ambit of the aforementioned Act.

**4.3 Minutes of the Council approving item No. 24(W-01) regarding Smart City Proposal of NDMC, including proposal for formation of SPV (REF: Section D - Question 33)**

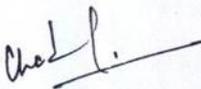
NEW DELHI MUNICIPAL COUNCIL  
PALIKA KENDRA : NEW DELHI

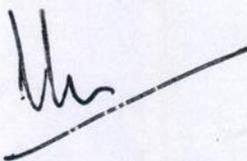
MINUTES, APPROVED THROUGH CIRCULATION OF AGENDA TO THE MEMBERS OF THE COUNCIL, ON 07.12.2015.

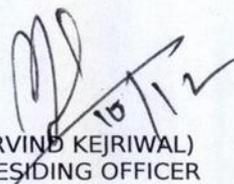
The following members have signed in token of its approval.

- |     |                          |   |                   |
|-----|--------------------------|---|-------------------|
| 1.  | Sh. Arvind Kejriwal      | - | Presiding Officer |
| 2.  | Smt. Meenakshi Lekhi     | - | Member            |
| 3.  | Sh. Naresh Kumar         | - | Chairperson       |
| 4.  | Sh. Surender Singh       | - | Member            |
| 5.  | Dr. Anita Arya           | - | Member            |
| 6.  | Sh. Abdul Rasheed Ansari | - | Member            |
| 7.  | Sh. B.S. Bhati           | - | Member            |
| 8.  | Sh. D.S. Mishra          | - | Member            |
| 9.  | Sh. Dharmendra           | - | Member            |
| 10. | Ms. P.S. Srivastava      | - | Member            |
| 11. | Smt. Chanchal Yadav      | - | Secretary, NDMC.  |

ITEM NO.	SUBJECT	DECISION
24 (W-01)	Smart City Proposal (SCP) of New Delhi Municipal Council (NDMC) for participation in the Second Stage - Challenge Round-1 for selection as Smart City under Smart Cities Mission of Government of India.	Resolved by the Council that the Proposal is approved. It is further resolved that the Department may initiate immediate action in anticipation of confirmation of the minutes by the Council.

  
(CHANCHAL YADAV)  
SECRETARY

  
(NARESH KUMAR)  
CHAIRPERSON

  
(ARVIND KEJRIWAL)  
PRESIDING OFFICER

**4.4 Agenda for the Council regarding Smart City Proposal of NDMC, including proposal for formation of SPV (REF: Section D - Question 33)**

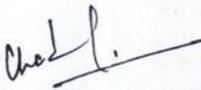
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PALIKA KENDRA : NEW DELHI

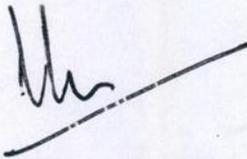
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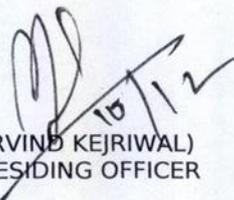
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| 1.  | Sh. Arvind Kejriwal      | - | Presiding Officer |
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| 4.  | Sh. Surender Singh       | - | Member            |
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| 6.  | Sh. Abdul Rasheed Ansari | - | Member            |
| 7.  | Sh. B.S. Bhati           | - | Member            |
| 8.  | Sh. D.S. Mishra          | - | Member            |
| 9.  | Sh. Dharmendra           | - | Member            |
| 10. | Ms. P.S. Srivastava      | - | Member            |
| 11. | Smt. Chanchal Yadav      | - | Secretary, NDMC.  |

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(CHANCHAL YADAV)  
SECRETARY

  
(NARESH KUMAR)  
CHAIRPERSON

  
(ARVIND KEJRIWAL)  
PRESIDING OFFICER

**ITEM NO. 24 (W-01)**

1. **Name of the Subject/Project:**  
Smart City Proposal (SCP) of New Delhi Municipal Council (NDMC) for participation in the Second Stage – Challenge Round-1 for selection as Smart City under Smart Cities Mission of Government of India.
2. **Name of the Department:**  
Project Department, New Delhi Municipal Council.
3. **Brief history of the subject:**
  - 3.1 Government of India Ministry of Urban Development (MoUD) launched Smart City Mission on 25<sup>th</sup> June, 2015 to develop 100 cities throughout the country as Smart Cities who will be given matching grant of 500 crores each from the Government of India and same amount to be arranged by the Urban Local Body/State. The mission is a centrally sponsored scheme lunched and steered by the Ministry of Urban Development (MoUD), GOI.
  - 3.2 The selection process of Smart City under the Smart City Mission is two stage processes. In the stage-1, the State Governments shortlisted potential smart cities according to number of smart cities distributed across states/UTs by the MoUD based on present performance indicators and recommended the same to MoUD. The Delhi state was allocated one potential Smart City.
  - 3.3 NDMC has been selected by MoUD after due recommendations by the State Level High Powered Steering Committee (HPSC), Delhi Government (GNCTD) to participate in the second stage – City Challenge Round for selection, which was announced on 27<sup>th</sup> August 2015. In total 98 cities have been selected for participation in City Challenge Round- Stage-2.
  - 3.4 As per the Smart City Mission & Statement Guidelines issued by the Ministry of Urban Development GOI in June 2015 (para 9.1.2), in the second stage of competition each of the potential 98 smart cities required to prepare their SCP for participation in the City Challenge Round for stage-2. The SCP of a city to contain the city vision statement, strategy and the model chosen–retrofitting/ redevelopment/green field/pan city and smart solutions etc, the proposal for financing the smart city and the revenue model to attract private participation. The SCP will also outlining the consultations held with the city residents and other stakeholders, as to how the aspirations are matched with the vision contained in the SCP.
  - 3.5 An evaluation criteria for the Smart Cities Proposals has been worked out by MoUD based on professional advice, which acts as guidance for preparing Smart City Proposals.
  - 3.6 For preparation of SCP, NDMC issued Limited Tender (RFP) to the eleven (11) MoUD empanelled consulting agencies on 03.09.2015. Five (05) bids were received and M/s. KPMG Advisory Services Pvt. Ltd with lowest bid amount of Rs.4.5 Lacs (inclusive of all taxes but excluding of service tax) was selected as Consultant for preparing the Smart City Challenge for Stage-2. The M/s. KPMG Advisory Services Pvt. Ltd began their consultancy process from 24.09.2015 and to complete the proposals by 10.12.2015.
  - 3.7 The Smart City proposals are to be submitted by 15.12.2015 for consideration in the Challenge Round of Stage -2 Competition for grants of fund from MoUD after approval from Council and the State Level High Powered Steering Committee.

4. Detailed proposal on the subject:

- 4.1 The Smart City Proposal (SCP) is required to be submitted as per the defined template provided by the MoUD vide their letter dated 12.11.2015 for the purpose of open, fair and transparent evaluation. The SCP template has following broad structured layout on various aspects of smart city:

- A. CITY LEVEL CRITERIA
- B. AREA-BASED PROPOSAL
- C. PAN-CITY PROPOSAL
- D. IMPLEMENTATION PLAN
- E. FINANCING PLAN
- F. ANNEXURES

Further, the Ministry, has also given scoring criteria (out of 100) to each aspect as mentioned below:

1. CITY LEVEL CRITERIA : 30%

S.NO.	CRITERIA	%
1.	Vision and goals	5
2.	Strategic plan	10
3.	Citizen engagement	10
4.	Baseline, KPIs, self-assessment and potential for improvement	5

2. AREA-BASED DEVELOPMENT (ABD) : 55%

S.NO.	CRITERIA	%
1.	'Smartness' of proposal	7
2.	Citizen engagement	5
3.	Results orientation	15
4.	Process followed	3
5.	Implementation framework, including feasibility and cost-effectiveness	25

3. PAN -CITY SOLUTION : 15%

S.NO.	CRITERIA	%
1.	'Smartness' of solution	3
2.	Citizen engagement	1
3.	Results orientation	5
4.	Process followed	1
5.	Implementation framework (Financial plan), including feasibility and cost-effectiveness	5

- 4.2 NDMC after having wider discussions with the stakeholders including women, RWAs, students, residents of J.J. Clusters, Government Officials, diplomats and taking into the city profile, existing physical, social, institutional and value infrastructure, the performance indicators required to be achieved as per ISO 37120:2014 (Sustainable development of communities – indicators for city services and quality of life), best practices, current strength, weakness, opportunities, threats (SWOT), financial viability, current gaps and aspiration of people and the vision emerged, has prepared its Smart City Proposal as per the structure and criteria laid out by the Ministry of Urban Development with the assistance of M/s KPMG Advisory Services Pvt. Ltd the consultant engaged for this purpose.

- 4.3 The salient features of the Smart City Proposal are as under:

#### 4.3.1 Strategic Focus and Blue Print

- NDMC's inherent strengths are - financial robustness, compact & planned area, high quality civic & ICT infrastructure; NDMC's opportunities are nation's commitments towards developing Smart Cities, higher paying capacity of its citizen, willingness of investors to invest and a cosmopolitan city with young population who are digital natives and thus NDMC has high success rates to be a Smart City.
- Being the administrative capital of India, the Strategic Focus of NDMC is to be the best-in-class Capital City in order to provide the highest quality of life to all its citizens and visitors, and to be the most economically competitive business ecosystem, while being sensitive towards the environment.
- The strengths of NDMC enable the Strategic Focus to be credible and achievable. The credibility is further enhanced due to the expectation that India is poised to become a major economic power and NDMC area already is best-in-class in many parameters.
- The blueprint for executing the Strategic focus is based on the following 4 pillars on the foundation of ICT, Regulatory Framework and Innovation, that has evolved from the extensive stakeholder consultations and desk research :
  - 1) Physical Infrastructure
  - 2) Social Infrastructure
  - 3) Value Infrastructure
  - 4) SMART Governance
- Keeping in view of the aspiration of New Delhi to become the global benchmark for capital cities, the sub-goals are benchmarked against the Smart City indicators of ISO 37120:2014 (Sustainable development of communities – indicators for city services and quality of life) of top 20 cities. The ISO 37120 comprises of 100 indicators, wherein 46 are core indicators while the remaining are supporting indicators. NDMC's targeted values for the ISO37120 indicators are higher than those of the 20 top global cities against which it has been benchmarked.
- The Strategic Blueprint is to be executed over a period of ten years, from 2015 till 2025, transforming the city into the desired vision of a best-in-class capital city. However, the projects enumerated under the Smart City proposal are to be completed by 2020.

#### 4.3.2 NDMC Smart City Vision

- The vision for NDMC Smart City has been formulated based on the strategic blueprint and the needs and aspirations articulated through the stakeholder consultations. NDMC Vision for Smart City is thus:

**“To be the Global Benchmark for a Capital City”**

- The goals that have been derived from the city vision are :
  - 1) Urban mobility – Enhanced access to sustainable public transport, smart parking, non-motorized vehicles (NMVs) and last mile connectivity. NDMC has dedicated pedestrian corridors with access for differently-abled citizens in various parts of the city

- 2) Inclusive city – Addressing the needs of the most vulnerable citizens including women, children, disabled and transgender individuals
- 3) City planning and design – Improved quality of life through citizen focussed planning
- 4) Social development – Focus on improved education and healthcare through incorporation of ICT
- 5) World’s capital – Setting global standards to meet citizens aspirations

#### 4.3.3 Citizen Engagements

The following categories of stakeholders were covered during the engagement:

- 1) Hotel & Traders association
- 2) Diplomats - Embassies and High Commissions
- 3) Economically Weaker Sections (EWS)/ Slum Dwellers
- 4) Women
- 5) Elected Representatives
- 6) RWA's
- 7) Students - schools and colleges
- 8) Public at large.

The citizen engagements conducted with the above key groups during each round of the smart city planning process enabled a deeper understanding of citizen needs and priorities. The process helped in identifying aspirations of citizens.

The citizen engagement process had two key mechanisms (a) unstructured consultations and (b) questionnaire based structured consultations. The unstructured consultations process helped formulate the questionnaire based on the key pain points identified by the gamut of stakeholders from various sections of the society. The structured questionnaire helped in prioritizing the pain points and aspirations by comparing the feedback on the same across sections of the society.

Subsequently, project prioritization was done based on citizen voting and feedback, recognizing the stakeholder conflicts on issues such as pedestrianization etc.

Various method of citizen engagement were deployed including face to face interaction, online consultations, feedback (using platforms of NDMC website and myGov), multimedia presentations and mobile polling through SMS platform.

#### 4.3.4 Projects identified in the Smart City Proposals

- As per the mission guidelines, the Smart City Proposal to have one **Area Based project** in a contiguous geographical area and one or two **Pan City projects**.
- The **Area Based projects** could be for **Retrofitting** (improvements) in area consisting of more than 500 acres or **Redevelopment** (replacement of existing built-up environment) in an area of more than 50 acres or **Green field project** (new development) in an area consisting more than 5 to 50 acres.
- The **Pan City projects** are one which envisages applications of Smart Solutions to the existing citywide infrastructure. Application of Smart Solution will involve use of technology information and data to make infrastructure service better.

#### 4.3.5 The Area Based project and the Pan City Projects included in the Smart City Proposal

- The New Delhi City Centre (NDCC), consisting of Connaught Place and contiguous surrounding areas of approx. 550 acres, has been selected for undertaking the retrofitting model of development, based on stakeholder

consultations, desk research and the underlying need to transform the area as a 'World Class Urban Area'.

- The area comprises of important Commercial areas (Connaught Place (CBD), Bengali Market, Janpath etc.), Heritage areas (Jantar Mantar and Agrasen Ki Baoli etc.), International Institutions (Foreign Embassies / Mission offices as Nepal Embassy, British Council, Soviet Cultural Centre, Max Muller Bhawan etc.), Happiness Area (Central Park Connaught Place, Hanuman Lane Park, Palika Bazar), Religious Areas (Hanuman Mandir, Sacred Cathedral, Aulia Mosque and Gurudwara Bangla Sahib), The area was selected through a constant process of engagement with all stakeholders and analysis undertaken through desk research. The 'essential elements' suggested under section 6.2 of the Mission Guidelines is incorporated in the infrastructure services and smart solutions envisaged for NDCC. The area-based proposal leverages ICT interventions in physical, social and value infrastructure to improve livability and support NDMC towards its stated vision of being the world's benchmark capital city.
- There are 29 individual Area Based projects and there are nine (9) Pan City projects included in the Smart City Proposal.

4.3.6 The main category of projects under Area Based are as under:

1. Urban Mobility & Smart Parking
2. Sensor based Common Service Utility Duct
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
5. Happiness area
6. Transforming sub-ways into vibrant spaces ATM/pet adoption centre/Advertisement etc.
7. Signature Giant Smart Digital Screen: Traffic Information/Social Messaging/Alerts/Cricket/Advertisement
8. Rooftop solar panels
9. Municipal Solid Waste
10. Transforming Public Toilets into Smart Public Amenities Centers
11. Financial, Identity, Ticketing & Access inclusion
12. Introducing signature initiative to the city's Identity and Culture
13. Behavioral transformation

The Area Based projects includes essential features of SCP as envisages in the Mission City Guidelines (para 6.2) encompassing generation of solar power, recycling of waste water, rain harvesting, smart metering, robust IT connectivity, pedestrian pathways, intelligent traffic management smart parking, efficient street lighting, innovative use of open spaces, safety of citizens and smart applications for service deliveries

4.3.7 Pan City Projects of NDMC Smart City Proposal are broadly under following projects baskets;

1. e-Governance
2. Smart Grid and Energy Management
3. Smart Water & Wastewater Management
4. Smart Education
5. Smart Health

#### 4.3.8 Financial Timeline for computing the Project

Some of the projects such as Smart Grid under Pan City, ground work for which has already been done, will start getting implemented from the fourth quarter of year 2015-16 and all projects are to be completed by 2019-2020. All the projects envisaged under the Area Based and Pan City are to be completed within 5 years time period.

#### 4.3.9 Implementation and execution of Smart City Project – Creation of Special Purpose Vehicle (SPV)

The mission guidelines envisage creation of Special Purpose Vehicle (SPV) as a critical institution for the implementation of the Smart City Proposal and hence same has been given due importance in the implementation framework of the Smart City Proposals. As per Smart City Guidelines, Government grants of State/ULB will be leveraged to attract funding from internal and external sources and the success of this endeavor will depend on the robustness of SPV.

As per the city guidelines, a city level SPV (by NDMC) is to be established under the Companies Act, 2013 and will be promoted jointly by the State/UT and NDMC jointly having equal equity share holding (50 : 50).

The Smart city proposal of NDMC proposes following in respect of SPV creation and its functions :

- a) will be a 100% Public Ltd company wholly owned by NDMC.
- b) The Council will lay down the broad policy framework for the functioning of the SPV and review its working.
- c) The Council will approve the annual plan and annual budget of the SPV upon the recommendation of the CEO.
- d) 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.
- e) While discharging his functions, the CEO will follow the policy framework and overall directions of the NDMC.
- f) The CEO would be assisted by a team of professionals and officers from the state/ central government as well as the private sector - under the overall control and supervision of the Board of Directors.
- g) Funds will be procured from the Central Government as well as various bilateral and multilateral institutions like the World Bank, ADB, JICA etc. - to name a few.
- h) The other key functions that will be performed by the SPV shall be :
  - i) Approve and sanction the projects including their technical appraisal under Smart City Proposal (SCP)
  - ii) Execute the Smart City Proposal (SCP) with complete operational freedom.
  - iii) Take measures to comply with the requirements of MoUD with respect to the implementation of the Smart Cities program.
  - iv) Mobilize resources within timelines and take measures necessary for the mobilization of resources.
  - v) Approve and act upon the reports of a third party Review and Monitoring Agency.
  - vi) Overview capacity building activities
  - vii) Ensure timely completion of projects according to set timelines
  - viii) The working structure as proposed above until creation of the SPV meets all the requirements of the guidelines.
- i) It is informed that as per the NDMC Act, 1994, there are no enabling provisions for creating an SPV. However, the Council may resolve 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 formation of such SPV.
- j) Further, it is proposed that till the formation 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.

## 5 Financial implication of the project :

### 5.1 Costs

The costs mentioned in the Smart City proposal for the Area Based project and Pan City Project are estimation and projection only which may vary depending on the market conditions and competitions and appropriate and available technologies.

The total project cost estimates/projections under Area Based are Rs.1077.47 crore and Rs.1684.50 crore under the Pan City Projects as lifetime costs, including capital and operational cost in five years, therefore, total cost equals to Rs.2761.97 crore.

The Estimated Costs (Capital and Operational), sources of funds and total lifetime cost are detailed in the table below.

S.No. (1)	Components of the Project (2)	CAPEX				O&M Cost (for 5 yrs)			Lifetime Cost (10) = (3) + (7)
		CAPEX Cost (3) = (4) + (5) + (6)	Gov Funds (4)	NDMC & Smart City Funds (5)	PPP (6)	O&M Cost (7) = (8) + (9)	NDMC Funds (8)	PPP (9)	
<b>AREA BASED PROJECTS</b>									
A	Urban Mobility & Smart Parking	256	9.1	49.0	197.90	102.72			358.72
1.	Para-transit facilities including PELICAN crossing	5	<sup>4</sup> (AMRUT)	1	0	0.65	0.65	0	5.65
2.	Electric Vehicles (EV's) based last mile connectivity	25	0	25	0	12.50	12.50	0	37.5
3.	EV charging facility at parking bay	1	<sup>0.1</sup> (NEMP)	0	0.9	0.14	0	0.14	1.14
4.	App integrated cycle tracks	2	0	2	0	0.5	0.50	0	2.5
5.	e-surveillance including e-challan for traffic violation	5	0	5	0	2.0	2.0	0	7
6.	Parking for Intermediate-Public-Transport	1	0	1	0	0.13	0	0.13	1.13
7.	Smart Bus Stops	1	0	0	1	0.40	0	0.40	1.4
8.	Multi-level automated parking at KG Marg, Shivaji Terminal & near IOC Building	190	0	0	190	76.00	0	76.00	266
9.	Sensor based Smart Parking	6	0	0	6	2.40	0	2.40	8.4
10.	Pedestrianization of Inner Circle Connaught Place	20	<sup>5</sup> (AMRUT)	15	0	8.00	8.0	0	28
									0
B	Sensor based Common Service Utility Duct	150	0	150	0	60.00	60.0	0	210
C	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	25	0	0	25	10.00	10	0	35

D	Hierarchical Command and Control Centre	15	0	15	0	2.00	2	0	17
E	Happiness area	35	0	35	0	14.00	14	0	49
1	Happiness area for the cultural and social needs of citizen	10	0	10	0	4.00	4	0	14
2	Renovation of Gole Market, adding Interactive Museum on History of Indian Civilization	25	0	25	0	10.00	10	0	35
F.	Transforming sub-ways into vibrant spaces ATM/pet adoption centre/Advt. etc.	5	0	5	0	2.50	2.5	0	7.5
G.	Signature Giant Smart Digital Screen: Traffic Info/Social Messaging/Alerts/Cricket/Advt	20	0	20	0	10.00	10	0	30
H.	Rooftop solar panels	105	15.74 (JNSM)	33.47	55.79	26.25	0	26.25	131.25
	Rooftop solar panels in public buildings upto 7.5 MW	52.5	7.87	33.47	11.16	13.125	0	13.125	65.625
	Rooftop solar panels in Pvt. Sector upto 7.5 MW	52.5	7.87	0	44.63	13.125	0	13.125	65.625
I.	Municipal Solid Waste Management	40.6	0	40.6	0	25.15	23.00	2.15	65.75
1	Geo tagging of bins	1	0	1	0	0.25	0.25	0	1.25
2	Providing new bins	1	0	1	0	0.25	0.25	0	1.25
3	Automatic sewer cleaning machine	14	0	14	0	10.50	10.50	0	24.5
4	Augmenting existing mechanized road cleaning machines	16	0	16	0	12.00	12.00	0	28
5	Green (Horticulture waste) to Gas Smart plant	8.6	0	8.6	0	2.15	0	2.15	10.75
J	Transforming Public Toilets into Smart Public Amenities Centres	4.5	0	4.5	0	9	9	0	13.5
K	Financial, Identity, Ticketing & Access inclusion	5	0	2	3	0.25	0.25	0	5.25
L	Introducing signature initiative to the city's Identity and Culture	3	0	3	0	116.50	50.00	66.50	119.5
1	Gateway to the World: On-street Live Video Conferencing between people of Delhi and multiple Global Cities	3	0	3	0	1.50	0	1.50	4.5
2	Delhi International Festival	0	0	0	0	50.00	50.00	0	50
3	Global Capital City Award	0	0	0	0	65.00	0	65.00	65
M	Behavioural transformation	5	0	5	0	30	30	0	35
	Total	669.1	24.84	362.57	281.69	408.37	234.40	173.97	1077.47
<b>PAN CITY PROJECTS</b>									
A	E-governance	10	0	10	0	10	10	0	20
B	Smart Grid and Energy Management (ongoing)	958	461	497	0	53.5	0	53.5	1011.5
1	Smart Grid Implementation	528	396 (IPDS)	132	0	0	0	0	528
2	40 MW Solar Power Projects	430	0	430	0	53.5	0	53.5	483.5
C	Smart Water and waste-water Management	190.42	90 (AMRUT)	100.42	0	357.95	357.95	0	548.37
D	Smart Education	45	0	45	0	22.5	22.5	0	67.5

1	eLearning Solution in all NDMC schools, Virtual Labs	35	0	35	0	17.5	17.5	0	52.5
2	Centralized Student's health e-records	10	0	10	0	5	5	0	15
E	Smart Health	24.75	0	24.75	0	12.38	12.38	0	37.13
1	Integrate all public medical facilities through Cloud-based e-healthcare system (Cloud provided by NIC under Digital India)	20	0	20	0	10	10	0	30
2.	Centralised Hospitalization facilitation for EWS for enabling them to access private hospital beds reserved for EWS, & provision of transportation service for transfer to private hospitals	1.75	0	1.75	0	0.88	0.88	0	2.63
3	Virtual medical service	3	0	3	0	1.5	1.5	0	4.5
<b>Total</b>		<b>1228.17</b>	<b>486</b>	<b>742.17</b>	<b>0</b>	<b>456.33</b>	<b>402.83</b>	<b>53.5</b>	<b>1684.50</b>
<b>Grand Total</b>		<b>1897.27</b>	<b>510.84</b>	<b>1104.74</b>	<b>281.69</b>	<b>864.7</b>	<b>637.23</b>	<b>227.47</b>	<b>2761.97</b>

## 5.2 Summary of the Funds Sources (Rs. in crores)

Capital Cost / O&M Cost for 5 yrs	PROJECT TYPE	MoUD GRANTS	CONVERGANCE FUNDS OF CENTRALLY SPONSORED SCHEMES	NDMC'S FUNDS	PPP FUNDS	TOTAL
CAPEX	AREA BASED	164.10	24.84	198.47	281.69	669.10
	PAN CITY	335.90	486.00	406.27	0	1228.17
	<b>TOTAL</b>	<b>500</b>	<b>510.84</b>	<b>604.74</b>	<b>281.69</b>	<b>1897.27</b>
OPEX	AREA BASED	0	0	234.40	173.97	408.37
	PAN CITY	0	0	402.83	53.50	456.33
	<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>637.23</b>	<b>227.47</b>	<b>864.7</b>
<b>GRAND TOTAL</b>		<b>500</b>	<b>510.84</b>	<b>1241.97</b>	<b>509.16</b>	<b>2761.97</b>

5.2.1 Out of total estimated capital expenditure of Rs. 1897.27cr (100%), Rs. 510.84cr (26.9%) is expected to be funded through convergence with Gol schemes, 281.69cr (14.9%) is expected to be funded through PPP, Rs.500cr (26.4%) is expected to be funded through Smart City funds and Rs.604.74cr (31.9%) is expected to be funded through NDMC internal funds.

5.2.2 The estimated operational and management cost are to be borne by the NDMC and the private party investing in the project, as under:

- in the Area-based-Project, cost will be borne by the NDMC (Rs. 234.40crores) or the private party (Rs.173.97 crores) investing in the project, and
- in the PAN-City Project, cost will be borne by the NDMC (Rs. 402.83crores) or the private party (Rs.53.50 crores) investing in the project.

5.3 Financing of Smart City Projects under the proposal is envisaged from the convergences of the projects with the centrally sponsored scheme such as Power Grid Scheme of Ministry of Power, Water Supply Management under AMRUT Scheme of MoUD, GOI and funding sources from private investments, NDMC's

own resources AND the grant to the extent of Rs.500 crores under the Smart City Mission from MoUD, GOI during five years mission period.

- 5.4 After having extensive and threadbare deliberations with all the stakeholders and Departments of NDMC, the Smart City Proposal has been prepared. The Finance Department has been involved in formulating the Smart City Proposal. The SCP consists of only estimated and project costs and expectations of fund flow and general operational cost involved. The Finance Department will be examining each project that will be launched and executed under the Smart City Proposal as and when referred by NDMC or Special Purpose Vehicle (SPV) as and when it is created within NDMC.

5.5 **FURTHER REQUIREMENT OF CONSULTANTS FOR SMART CITY PROJECTS FORMULATIONS AND IMPLEMENTATIONS**

As has been mentioned in the City Challenge Round-1 competition only 20 cities will be short-listed and will be given grants by the MoUD and these cities can start implementing their Smart City Proposals. However, cities, which are not listed amongst 20 qualified cities in the first stage, will be given opportunities to further revise, modify their Smart City Proposals and resubmit their revised Smart City Proposals.

In either of the above situation, NDMC will be requiring the assistance, hand-holding and expertise of the project Managers/Consultants to formulate and implement the project envisaged under the Smart City proposal or in case of revision if required of the SCP.

It is proposed to further engage amongst initial team of the present Consultants i.e. M/s. KPMG, who are assisting the NDMC in preparing Smart City Proposals.

It is proposed that the consultants from M/s KPMG may be engaged initially for one year and further they may be paid the consultancy fee as per the NICSI (National Informatics Centre Services Inc.) approved rates based on the experiences of the persons in Project Management consultancy. The consultancy fee shall be based on the NICSI rates, which takes into account the year of experience of the experts engaged. KPMG Advisory Services Pvt. Ltd are registered vendor with the NICSI (National Informatics Centre Services Inc.). The certified work profiles of the consultants shall be obtained and they will be hired through NICSI (National Informatics Centre Services Inc.) for one year.

The Rule 176 of General Financial Rules (GFR) allows outsourcing consultancy by nomination under special circumstances as mentioned above relating to the continuity of conceptualization, formulation and implementation of Smart City Project. Further M/s. KPMG are also registered with the Govt. of India body NICSI, who have laid out the approved rate list for engagement also. Further M/s. KPMG is also one of the empanelled agency with MoUD on Smart City matters.

6. **Comments of Finance Department:**

Finance Department concurred with the proposal subject to the condition that each project shall be sent to it for examination before execution, or examination by any other such body deemed fit by SPV as and when it is created.

7. **Comments of the Department on comments of Finance Department:**

No comments.

## 8. Legal Implication on the subject/project:

The Smart City Proposal of NDMC is as per the Smart City Guidelines, taking into account the smart city profile, stakeholder consultations, financial viability and is basically a project report prepared within the criteria set by the MoUD and as such do not have legal implications except that of recreation of SPV which has already been pointed out in para 4.3.9 of the agenda item regarding SPV details. Current NDMC provisions are not enabling for formation for SPVs and hence directions/approvals are required from the Ministry of Home Affairs, GOI for creation of SPV or appropriate amendment of Act.

The further engagement of some of the consultants is allowed under Rule 176 of GFR 2005.

## 9. Details of previous Council Resolution, existing law of Parliament and Assembly on the subject:

Smart City guidelines issued by the MoUD, GOI in June 2015.

## 10. Comments of the Law Department on the subject/project:

Law Department concurred with the proposal.

## 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. Recommendations:

The Smart City Proposal (SCP) for participation in the Second Stage – Challenge Round for selection as Smart City under Round-1 has been prepared (placed as **Annexure (separate booklet)** to the Agenda Item) as per the Smart City Mission Guidelines and the template and criteria prescribed by the Ministry of Urban Development, GOI. The SCP which has been finalized based on extensive consultations and assessments is placed before the Council to accord its approval for the following :

- (a) Smart City Proposal (SCP), including the Projects and Financial Plans, placed as **Annexure (separate booklet)** to the Agenda Item;
- (b) To propose the following to the Ministry of Home Affairs to enable creation of the SPV and matters connected therewith:
  - i) appropriate amendment to the NDMC Act, 1994 or
  - ii) directions by the Central Government under Section 395 of the NDMC Act, 1994 permitting formation of such SPV.
- (c) Till formation of such SPV, the Council to perform the functions of SPV, and the role and functions of the CEO will be performed by the Secretary NDMC;
- (d) Submission of the Smart City Proposal (SCP) to Ministry of Urban Development, MoUD, GOI through State Level High Powered Steering Committee (HPSC) of GNCTD; and
- (e) Engagement of Consultants from M/s. KPMG Advisory Pvt. Ltd. through NICS (National Informatics Centre Services Inc) at the approved value initially for one year.

## 14. Draft resolutions

The Council resolved to approve the following:

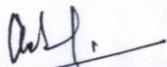
- (a) Smart City Proposal (SCP) including the Projects and Financial Plans;
- (b) To propose the following to the Ministry of Home Affairs to enable creation of the SPV and matters connected therewith:
  - i) appropriate amendment to the NDMC Act, 1994 or
  - ii) directions by the Central Government under Section 395 of the NDMC Act, 1994 permitting formation of such SPV.
- (c) Till formation of such SPV, the Council to perform the functions of SPV, and the role and functions of the CEO will be performed by the Secretary NDMC;
- (d) Submission of the Smart City Proposal (SCP) to Ministry of Urban Development, MoUD, GOI through State Level High Powered Steering Committee (HPSC) of GNCTD; and
- (e) Engagement of Consultants from M/s. KPMG Advisory Pvt. Ltd. through NICS I (National Informatics Centre Services Inc) at the approved value initially for one year.

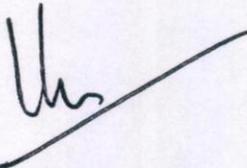
It is further resolved that the Department may initiate immediate action in anticipation of confirmation of the minutes by the Council.

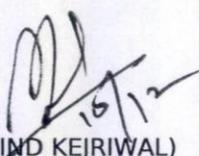
COUNCIL'S DECISION

Resolved by the Council that the Proposal is approved.

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

  
(CHANCHAL YADAV)  
SECRETARY

  
(NARESH KUMAR)  
CHAIRPERSON

  
(ARVIND KEJRIWAL)  
PRESIDING OFFICER

4.5 Government of India in-principle approval under IPDS scheme for Smart Grid and Energy Management Project (REF Section C-Question 26)



पावर फाइनेंस कॉर्पोरेशन लिमिटेड  
POWER FINANCE CORPORATION  
(भारत सरकार का उपक्रम) (A Govt. of India Under  
(आई.एस.ओ. 9001:2008 प्रमाणित) (ISO 9001:2008)

No.02:10:R-APDRP:2009: Delhi / 31545

1 SEP 2015

Principal Secretary (Power)  
Department of Power  
8<sup>th</sup> Level, B-Wing,  
Delhi Secretariat,  
I.P. Estate, New Delhi - 110113

Sub. : Extract of MoM of the 4th Monitoring Committee for IPDS under  
chairmanship of Secretary (Power) held on 06.08.2015

Sir,

Kindly find attached herewith relevant extract of the subject MoM with respect  
to in-principle approval of DPRs of Delhi under IPDS.

Thanking you,

Yours faithfully,

(Subir Saha)  
GM (IPDS)

Encl. : As above

Copt to:

✓ Chairman, NDMC  
New Delhi Municipal Council  
Palika Kendra  
Parliament Street, New Delhi-110001

**Addl. Agenda Item No-1: Consideration of NDMC DPR under IPDS**

ED (PFC) made a presentation on the proposal of NDMC DPR for consideration under IPDS. He informed that NDMC, a central govt. entity under MHA, has submitted their Need Assessment Document (NAD) of Rs.528.70 Crore in the form of DPR, consisting of ST&D work (Rs.244 Crs), smart metering (Rs.71 Cr) and IT enabling work (Rs.213 Cr). Since MHA has forwarded the DPR.

Proposal- duly forwarded by MHA, was discussed in Monitoring Committee and following emerged-

- Signing of tripartite agreement for getting assistance under IPDS
- Consultation with District Electricity Committee required.
- Finalisation of AT&C loss trajectory by MoP in consultation with NDMC

After deliberations, Monitoring committee approved in-principle the DPRs of NDMC under IPDS within the proposed value of Rs.316.66 after fulfilling all the conditionalities as above.

**(Action: PFC, NDMC/MHA)**