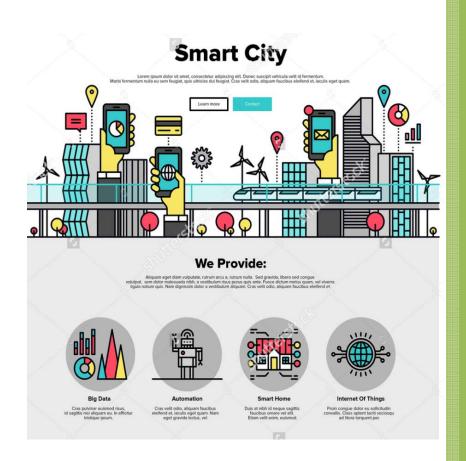
EXECUTIVE SUMMARY

SMART CITY LUDHIANA



ANNEXURE 2

VISION STATEMENT:

"LUDHIANA CLEAN & GREEN CITY"

PAN CITY PROJECTS (to be implemented throughout the City):

- Sanitation & Solid Waste Management
- Integrated traffic and transport management system
- Water Supply Surface water based water supply 24x7 scheme
- Integrated ICT based digital platform for management of urban infrastructure and safe city project including Smart street lighting.

AREA BASED DEVELOPMENT (to be implemented in selected area):

Area Selected

Ferozepur Road Area: Rose Garden, Ghumar Mandi, Bhaibala Chowk (retrofitting) - Population (38,000 projected 2017) - Area (790 acres)

Components of proposed Area Based Development (Ferozepur Road Area)

- Streetscape Improvements and Beautification including footpaths, landscape, signage and bioswale on Ferozepur road
- ii. Hoarding free city & Digital Hoarding
- iii. Transportation Improvements
- iv. Vehicle Free Zones (Ghumar Mandi)

Area wide

i. Water Supply Management System (smart metering, SCADA systems, pressure monitoring meters, etc.)

- ii. Waste Water Management (sensors for sewage over flow, etc.)
- iii. Common Utility Tunnel
- iv. Storm Water Drainage
- v. Solid Waste Management (color coded garbage bins, mechanized road sweeping, etc.)
- vi. Underground Cables
- vii. Safety & Security
- viii. Robust IT Connectivity & Digitization
 - ix. Innovative use of Parks & Open Spaces
 - x. Smart Street Lighting (installation of Solar based LED Street Lighting)
 - xi. Storm Water Reuse & Rain Water Harvesting System

Financial Plan

The total estimated cost of the proposed projects including CAPEX & OPEX has been prepared to the tune of Rs.5547.14 Cr.

A. CAPEX

S. No.	Components	Estimated Cost (Rs. in Cr.)
Α.	Pan City Projects	3250.00
1.	Sanitation & Solid Waste Management	550.00
2.	Integrated Traffic & Transport management system (ITMS)	200.00
3.	New Surface Water based Water Supply (24x7) Scheme	2100.00
4.	Integrated ICT based digital platform for management of urban infrastructure and safe city project including Smart street lighting.	400.00

S. No.	Components	Estimated Cost (Rs. in Cr.)
B.	Area Based Development Projects	1051.50
1.	Portable Water	43.16
2.	Waste Water	5.00
3.	Power	68.05
4.	Common Utility Tunnel	157.95
5.	Storm Water Management	51.65
6.	Waste Management	7.52
7.	Urban Design & Landscape	286.97
8.	Transportation	431.20
	Grand Total (A+B)	4301.50

OPEX

i.	PAN City Projects	Rs.1005.00 Cr.
ii.	Area Based Projects	Rs.140.64 Cr.
	Total O&M (for 10 years)	Rs.1145.64 Cr.

Total Project Cost (CAPEX + OPEX): INR 5547.14 Cr

RESOURCE PLAN: The financing options for the components identified under the SCP Ludhiana are planned considering the capital available from the GoI & GoP and will be made available for the period of 5 years. Different sources of funding which can be used to fund SCP Ludhiana are:

Funding (Inflow):

Sr.No.	Fund Source (@ 5 Years)	Rs. in Crore
A.	Gol & GoP Funding - SCM	988.00
1.	Centre funding	488.00
2.	State Funding	500.00
B.	Funding Through Central & State Govt. Schemes	1408.55

Sr.No.	Fund Source (@ 5 Years)	Rs. in Crore
1.	Atal Mission for Rejuvenation & Urban Transport (AMRUT) (Gol - 1/3 rd Share + GoP -2/3 rd Share)	1082.50
2.	Integrated Power Distribution System (IPDS) Scheme (Rs.34.83 Cr - 60% Gol Share)	58.05
3.	E-Governance Program – Govt. of Punjab	15.50
4.	Solar City Mission of Govt. of India (Rs. 75. 76 Cr - 30% Gol Share)	252.50
C.	PPP Revenue	2789.50
3.	Public Private Partnership (PPP)	2789.50
	Total (A+B+C)	5186.05