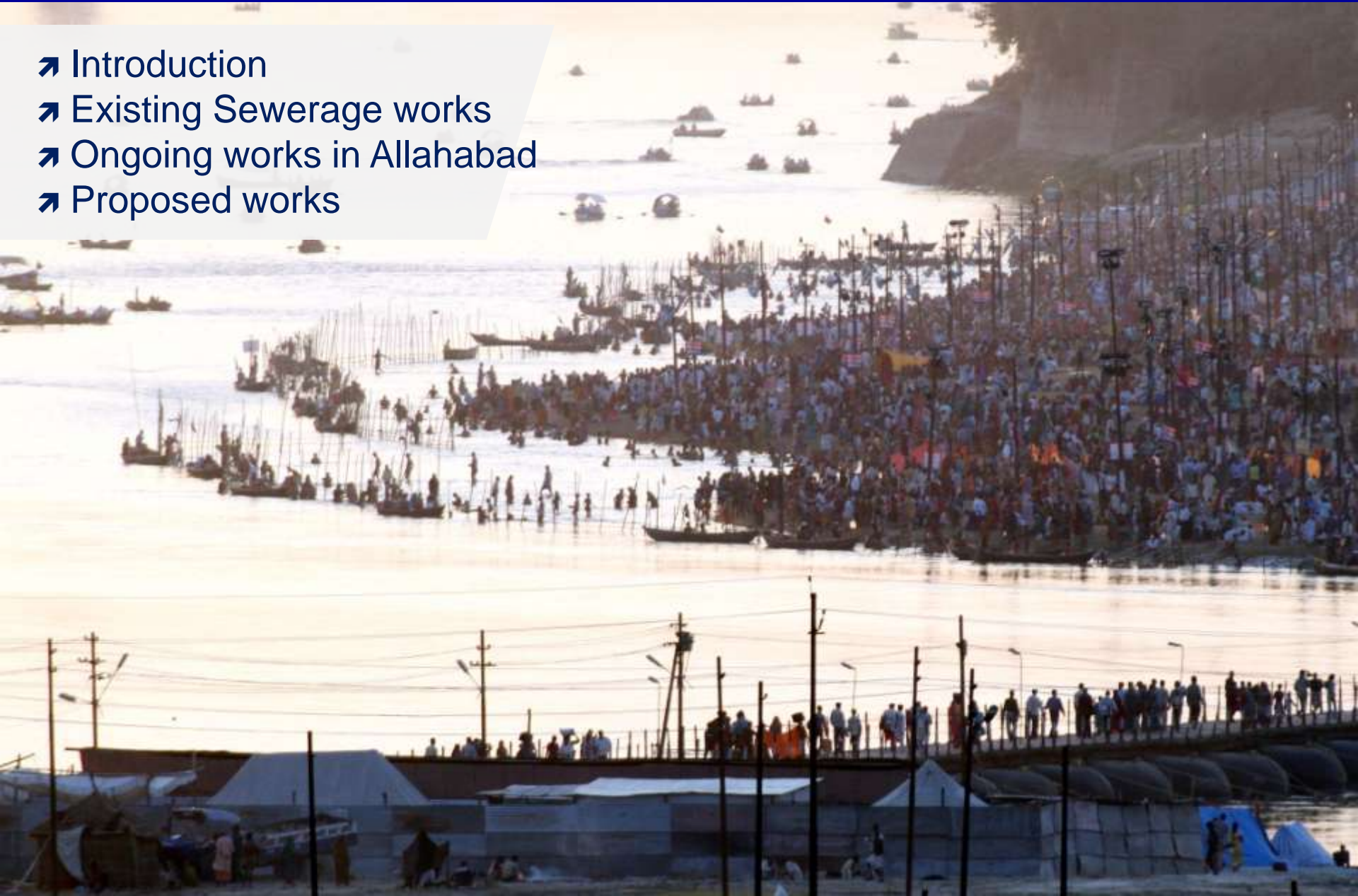


# Presentation Of Works Proposed in the DPR of “Sewerage Works in Sewerage District ‘E ‘ Part II of Allahabad

- Introduction
- Existing Sewerage works
- Ongoing works in Allahabad
- Proposed works



# Introduction

## Allahabad City

- The holy city of Allahabad is surrounded by river Ganga & Yamuna on three sides.
- World famous Kumbh Mela occurs at Sangam (confluence of river Ganga & Yamuna) at an interval of 12 years.
- An important pilgrim and tourist centre.
- Present population of the town is around 15 lakh
- Plain terrain with ground level varies between 84.0m and 92.0m above MSL.
- HFL of the river Ganga at Allahabad city is 88.35m.

# Population Projection of Allahabad City

<b>District</b>	<b>Area (Ha)</b>	<b>2020</b>	<b>2035</b>	<b>2050</b>
District A	1321	454904	496843	538783
District B	874	246089	316394	386700
District C	647	225956	283292	340629
District D	1709	333249	435380	537511
District E	928	196223	274218	352213
District F	186	47678	98235	148791
District G	1382	203985	338850	473716
<b>Sub Total</b>	<b>7047</b>	<b>16,81,558</b>	<b>22,18,113</b>	<b>27,54,669</b>
Jhusi	1562	95,720	124,254	152,787
<b>Grand Total</b>	<b>8609</b>	<b>17,77,278</b>	<b>23,42,367</b>	<b>29,07,456</b>



# CITY SEWERAGE PLAN - ALLAHABAD

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## DIST - D

**COMPLETED WORK**  
STP - 60MLD (JNNURM)  
SPS - 6 Nos (GAP-1/JNNURM)  
Sewer Network - 205km (JNNURM)  
Cost of completed work -Rs 383.3cr

**DIST - C**  
**COMPLETED WORK**  
STP - 28MLD (GAP-II)  
SPS - 2 Nos (GAP-II)  
Sewer Network - 3.1km (GAP-II)

**Ongoing Work-**  
STP - 14 MLD (NGRBA)  
Sewer Network - 135km(NGRBA)  
SPS - 3Nos(NGRBA)  
Cost of original work -Rs 189.27 cr

## DIST - E

**COMPLETED WORK**  
STP - (25+10)MLD (NGRBA)  
SPS - 4 Nos (NGRBA)  
Sewer Network - 110km (NGRBA)  
Cost of completed work (NGRBA) -Rs 205 cr

**Proposed Sewer Network - 42.68km**  
**Cost of Proposed Works -Rs 54.237 cr**

## DIST - B

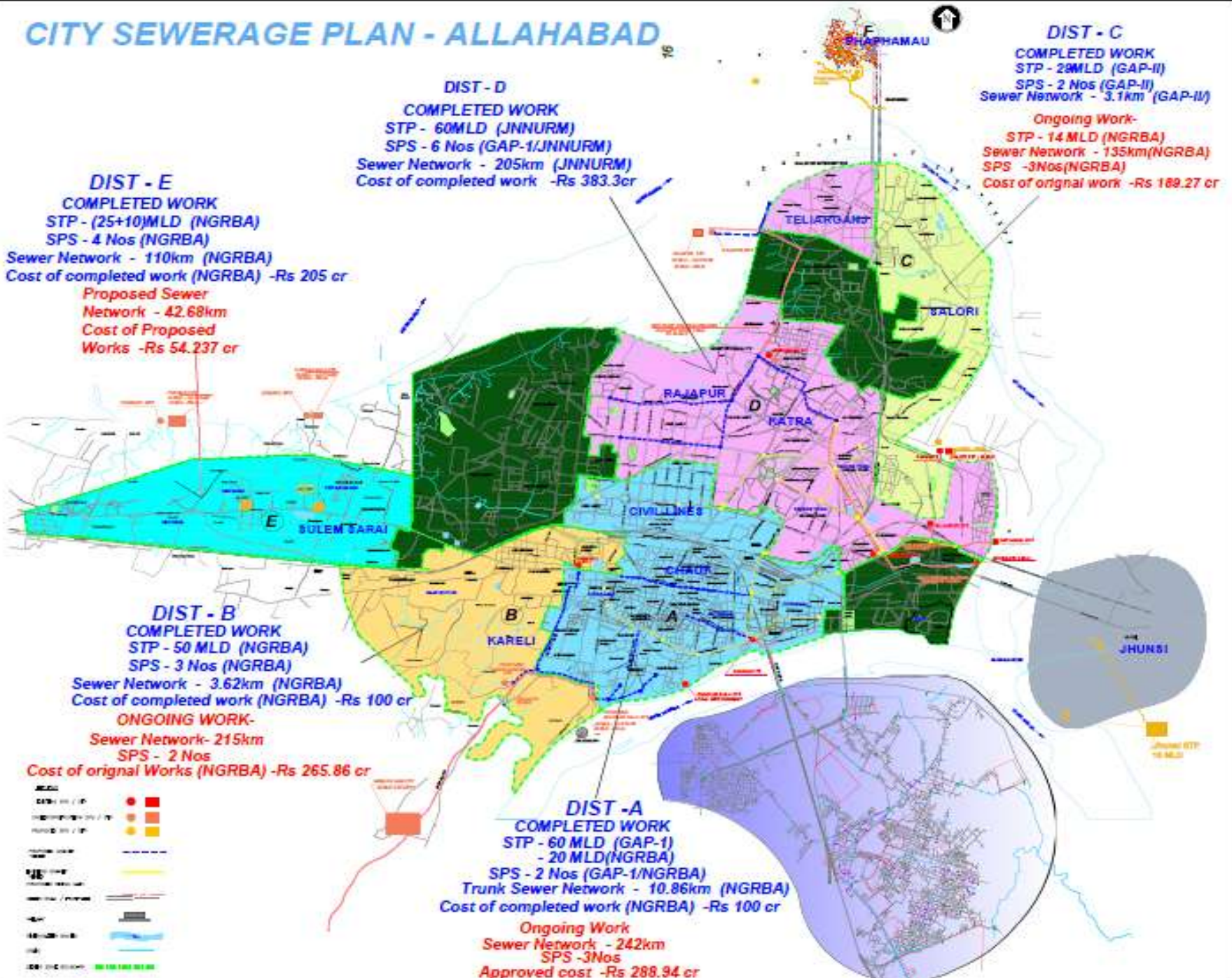
**COMPLETED WORK**  
STP - 50 MLD (NGRBA)  
SPS - 3 Nos (NGRBA)  
Sewer Network - 3.62km (NGRBA)  
Cost of completed work (NGRBA) -Rs 100 cr

**ONGOING WORK-**  
Sewer Network- 215km  
SPS - 2 Nos  
Cost of original Works (NGRBA) -Rs 265.86 cr

## DIST - A

**COMPLETED WORK**  
STP - 60 MLD (GAP-1)  
- 20 MLD(NGRBA)  
SPS - 2 Nos (GAP-1/NGRBA)  
Trunk Sewer Network - 10.86km (NGRBA)  
Cost of completed work (NGRBA) -Rs 100 cr

**Ongoing Work**  
Sewer Network - 242km  
SPS - 3Nos  
Approved cost -Rs 288.94 cr



# Current Status of Sewerage Works in Allahabad City

Sewerage Districts	Area in Ha	Existing works	Ongoing/ Proposes works & Status
A	1321	80 mld STP, 2 Nos SPS and 15.1 km Trunk sewer executed under GAP & NGRBA	Construction of about 242 km sewer network & 3 Nos. of SPS is in progress. Contract has been awarded to has been issued to M/s L & T limited.
B	874	50 mld STP, 3 Nos SPS and 4.9 km Trunk sewer executed under NGRBA	Bid has been received for construction of 215 km sewer network & 2 Nos. of SPS. NoC is awaited from NMCG/ WB.
C	647	29 mld STP, 1 Nos. SPS and 3.1 km Trunk sewer executed under GAP & State Sector.	Construction of 14 mld STP & 135 km sewer line along with 4 SPS is in progress. Progress of STP is about 65% & network is about 25%.
D	1709	60 mld STP, 6 Nos SPS and 232 km sewer network executed under JNNURM.	<b>Sewer Connecting Chambers with provision of house connections.</b>
E	928	35 mld STP, 4 Nos SPS and 110 km sewer network executed under NGRBA.	2 Nos. of SPS are under Construction. DPR of 42.658 km long Sewerage Network is under approval.
F	186	-	<b>DPR of I&amp; D and STP works amounting to Rs. 188.88 Cr has been submitted to NMCG.</b>
G	1382	-	<b>DPR of I&amp; D and STP works amounting to Rs. 319.41 Cr has been submitted to NMCG.</b>
Jhusi Area	1576		<b>DPR of I&amp; D and STP works amounting to Rs. 223.00 Cr has been submitted to NMCG.</b>

# Status of STPs at Allahabad

Based on the natural drainage topography of Allahabad, city has been divided in to 7 sewerage Districts having its own Sewage Treatment Plant (STP).

Sewerage Districts	Area in Ha	Location of STP	Capacity of STPs in mld		
			Existing	Under Construction	Proposed
A	1321	Naini	80.00		
B	874	Numayadahi	50.00		
C	647	Salori	29.00	14.00	
D	1709	Rajapur	60.00		
E	928	Kodra Ponghat	25.00 10.00		
F	186	Phaphamau			11.00
G	1382	Naini -2			40.00
Jhunsi		Jhunsi			18.00
<b>Total</b>			<b>254.00</b>	<b>14.00</b>	<b>69.00</b>

# Ongoing Sewerage works in Allahabad city

Sl . No.	Name of Work	Programm	Approved Cost (Rs. Crores)	Present Progress
1	Sewerage District D	JNNURM	383.30	97%
2	Replacement of rising main	GAP II	34.51	66%
3	Sewerage & Non Sewerage works,	NGRBA	305.34	99%
4	Sewerage District E,	NGRBA	142.00	99%
5	14 mld Salori STP	NGRBA	42.40	70%
6	Sewerage District C,	NGRBA	146.87	26%
7	Sewerage District A,	NGRBA	288.94	15%
8	Sewerage District B,	NGRBA	265.86	Tendering



# Naini STP

## Constructed Under GAP/ NGRBA

- Situated on the right bank of river Yamuna.
- 60 mld unit was Commissioned in 1998 under GAP I .
- 20 mld unit has been added in January 2013 under NGRBA
- STP is based on ASP + Chlorination Technique.
- Total Installed capacity of STP is 80 mld.





# Salori STP

## Constructed Under GAP II/ NGRBA

- Situated on the right bank of river Ganga.
- STP is based on MBBR Technique.
- Installed capacity of STP is 29 mld.
- Made operational December 2007.
- 14 mld capacity new unit is under construction.



# Rajapur STP (Capacity - 60 mld) Under JnNurm

- Situated on the bank of river Ganga in Mehdauri Kachhar
- STP is based on UASB + Aerated Lagoon followed by Chlorination Technique.
- Planned capacity of STP is 60 mld.
- 30 mld has been made operational before Kumbh Mela 2013.
- 30 mld unit has been made operation in March 2016.



# Numaya Dahi STP

## Constructed Under NGRBA

- Situated on the left bank of river Yamuna about 7 km u/s of the city.
- STP is based on high rate bio-filtration + Chlorination technique.
- Installed capacity of STP is 50 mld.
- Made operational before Kumbh Mela 2013.





# Ponghat STP

## Constructed Under NGRBA

- Situated on the right bank of river Ganga in North – West of city.
- STP is based on high rate bio-filtration + Chlorination technique.
- Installed capacity of STP is 10 mld.





# Kodra STP

## Constructed Under NGRBA

- Situated on the right bank of river Ganga in North – West of city.
- STP is based on high rate bio-filtration + Chlorination technique.
- Installed capacity of STP is 25 mld



# PROPOSED WORKS UNDER NAMAMI GANGE

Sl. No.	Name of Project	Proposed works	Estimated Cost (Rs. Cr)	Present Status
1	Balance Sewer Works in Dist E	Sewer Line – 42.658 km	62.04	Under Approval
2	I & D and STP works in Dist G (Naini Area)	Trunk Sewer – 9.5 km	319.41	Submitted in July 2015
		Pumping Stations – 3 Nos		
		STP – 1 Nos. 40 mld		
3	I & D and STP works in Dist F (Phaphamau)	Trunk Sewer – 9.0 km	188.88	Submitted in July 2015
		Pumping Stations – 2 Nos		
		STP – 1 Nos. 11 mld		
4	I & D and STP works Jhusi Area	Trunk Sewer – 8.27 km	223.77	Submitted in July 2015
		Pumping Stations – 2 Nos		
		STP – 1 Nos. 18 mld		



*Thank  
You!*

*Sewerage / River Pollution abatement works, Allahabad*