

Municipal Corporation of Gurugram (MCG)

Monsoon Preparedness & Flood Hotspot Management

WARD-WISE FLOOD HOTSPOT REPORT

For Use by Junior Engineers (JEs) at Ward Level

Ward Summary

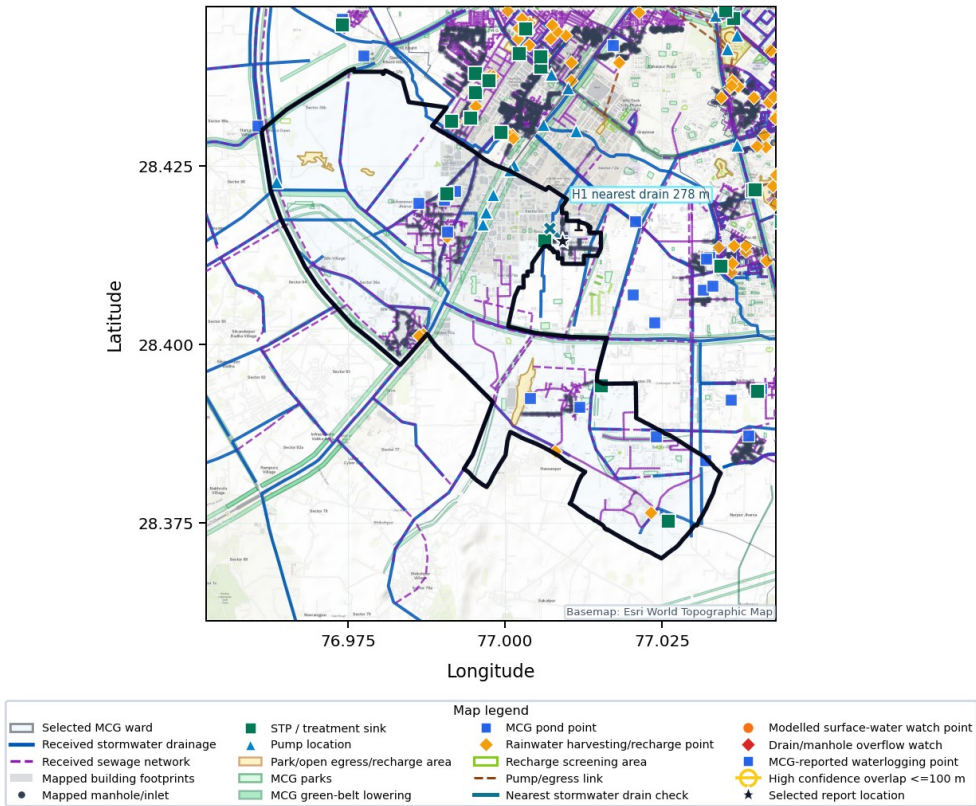
WARD NUMBER	MCG IDENTIFIED LOCATIONS	MODEL IDENTIFIED LOCATIONS
17	1	0
Ward Name / Area Covered	Begampur Khatola Village; Darbaripur Village; ISBT and MRTS Depot; Kherki Daula Village; Mohammadpur Jharsa Village; Narsinghpur; Narsinghpur east; Narsinghpur Village; Palra Dhani; Palra Village; Sector 35; Sector 36; Sector 37B; Sector 70A; +4 more localities	
Zone	Zone I	
Division	Zone I	
Assigned JE	Shubham JE 9728220667 Sachin Kumar 9990020160	
Report Date	29 July 2026	
Approved FloodAstra baseline	Approved June 5 current-assets baseline	
Utility assets	MCG/GMDA utility assets supplied up to 5 June 2026	
Rainfall used	July 2025 reported event, 133 mm / 12 h	
Hydraulic model	Apple MLX GPU; continuous city surface; roads, buildings, storm drains, sewers, manholes and recharge structures coupled dynamically	
Published depth range	0 to 1.50 m from field-reportable cells only	
Desilting / work status	19 mapped MCG work-status segments overlap this ward; 5 marked completed; 12 marked in progress; 2 other/unspecified. Confirm current completion with MCG field records.	
Priority action	Visit MCG reported waterlogging points and check nearby inlet/drain condition	

Official Ward Contact Roster

Role	Supplied MCG contact
Councillor	Smt Neha Devatwal BJP 9711805688
Executive Engineer (EE)	Sh. Pardeep Kumar, EE, 9821395225
Assistant Engineer (AE)	Sh. Wasim Akram, AE, 8110000092
JE Development	Shubham JE 9728220667 Sachin Kumar 9990020160
JE Enforcement	Rohit Jakhar 9671895169
JE Horticulture	Sunil Kumar 9821395271
JE Electrical	Mohmmamd Azam 9467395603

Ward Action Map

Ward 17: drainage, sewage and hotspot action map



Blue lines are received stormwater drains. Purple dashed lines are received sewage lines. Green areas are MCG parks/green-belt lowering assets; blue squares are MCG pond points; amber diamonds are rainwater-harvesting/recharge points. Gray building footprints are used only to avoid suggesting routes through buildings. Cyan lines show the hotspot-to-stormwater-drain check. Green dashed lines show a possible road-side route where one was found.

This ward map shows 2,581 stormwater line segments, 11,678 sewage line segments, 2,310 manhole/inlet points, 29 STP/treatment points, 303 MCG park polygons, 24 pond points, 185 green-belt lowering areas and 230 rainwater-harvesting/recharge points from the approved GIS packet.

Field Action Summary

#	Location	Expected water	Mapped drain option	First field action
H1	Begampur khatola	maximum modelled depth 0.12 m; average within 50 m 0.12 m; water remains above 15 cm for 22 min.	map label 504 (storm) near Begampur khatola is 278 m away. No field-approved connection route is recorded.	Verify MCG point; clear nearest inlet and record site photos.

Complete Ward Location Register

No.	Source	Location	Lat	Lon	Expected water	How to use this point
R0 1	MCG	Begampur khatola	28.41452	77.00912	0.12 m; above 15 cm for 22 min	Confirm at this location

Hotspot-wise Details

HOTSPOT 1

1. Hotspot Identification

Hotspot Name	Begampur khatola
Latitude / Longitude	28.41452, 77.00912
Open location	Use the link below to open this point on Google Maps.

Google Map Links for Hotspot and Assets

Use these links for the field pin, nearby drainage/sewage assets and mapped support assets used in this report.

[H1: hotspot pin](#)

[H1: mapped receiving stormwater drain - map label 504 \(278 m\)](#)

[H1: nearest mapped stormwater line - map label 504 \(278 m\)](#)

[H1: nearest mapped sewage line \(1.10 m\)](#)

[H1: mapped pump - NH 48 Narsingpur T Point \(LHS\); capacity 66.7 L/s \(1,267 m\)](#)

[H1: MCG park - SECTOR 74; ward 16-17 \(308 m\)](#)

[H1: MCG pond - Behrampur Pond \(1,180 m\)](#)

[H1: MCG green-belt lowering area - Existing \(588 m\)](#)

[H1: rainwater-harvesting/recharge point - No RWH was found at site \(308 m\)](#)

[H1: groundwater recharge screening area \(728 m\)](#)

[H1: nearest STP/treatment point - Begampur Khatola \(277 m\)](#)

[H1: nearest manhole/inlet \(2.60 m\)](#)

Scan QR code to open this hotspot on phone maps.



Hotspot Action Card

Go to	28.41452, 77.00912
Water concern	maximum modelled depth 0.12 m; average within 50 m 0.12 m; water remains above 15 cm for 22 min.
Nearest stormwater drain	map label 504 (storm) near Begampur khatola is 278 m away. No field-approved connection route is recorded.
Roadside connection checks	No roadside connection route has been mapped without crossing a building. Before proposing work, survey a road alignment, measure the level at both ends, mark utilities and confirm continuous fall toward a stormwater drain that can accept flow.
Nearby MCG sewage line	MCG sewage line is about 1.10 m away. Check the nearest manhole for rising water. Do not discharge stormwater into this line.
First action at site	Verify MCG point; clear nearest inlet and record site photos.
Before monsoon	Inspect and desilt map label 504 (storm) near Begampur khatola (278 m) if silt/choking is seen.
Escalate if	Escalate if the MCG-reported point has no visible inlet, repeated complaints, or unsafe pump discharge route.

2. Source

☒ MCG record	☒ Model-selected point
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3. Field Priority Level

☐ LOW	☐ MEDIUM	☐ HIGH	☐ VERY HIGH
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4. Flood Timing and Depth

At H1, record observed water depth, time, inlet condition and receiving-drain level. Compare these with the model estimate before work begins.

Field measure	Unit	Model estimate	Selected rainfall
Ponded water within 50 m	m ³	Not available at point scale; use depth and timing for field action	July 2025 rain

Field measure	Unit	Model estimate	Selected rainfall
Time water remains above 15 cm	minutes	22	July 2025 rain
Time to exceed 15 cm after rain starts		Not resolved for this point	July 2025 rain
Maximum depth at this point	m	0.12 m	July 2025 rain
Average depth within 50 m	m	0.12 m	July 2025 rain
Maximum modelled flow speed	m/s		July 2025 rain

H1: record observed water depth and time, then photograph the inlet and receiving-drain level before work starts.

5. Recommendations

a. Drainage and Sewage Checks

Stormwater check: map label 504 (storm) near Begampur khatola is about 278 m away, but no roadside connection is mapped. Trace the inlet to the drain and record any missing, crushed or blocked reach before scheduling work. Sewage check: an MCG sewage line is about 1.10 m away. Inspect the nearest manhole for rising water, but never use the sewage line as a stormwater or pump outlet.

b. Possible New Stormwater Connection

map label 504 (storm) near Begampur khatola is about 278 m away, but no building-free roadside route is mapped. Do not mark a new link construction-ready until the JE traces the alignment, measures levels at both ends, marks utilities, checks frontage/access and confirms that the receiving drain can accept flow.

c. When to Desilt

Inspect the inlet, first upstream access point and first downstream access point leading to map label 504 (storm) near Begampur khatola. Record silt depth and the free opening at each point. Desilt only where silt narrows the waterway or a clean-water flow test shows restriction; clear the full restricted reach and take before/after photographs.

d. Temporary Pump Decision

S.No.	Pump Location	Discharge Point	Pump Capacity / Type
1	H1 / local low point	No mapped pump is shown near H1. If water remains after inlet clearing, use a temporary pump only toward map label 504 (storm) near Begampur khatola (278 m) or a verified open/green area; do not use the nearby sewage line (1.10 m from H1) as discharge.	Confirm at site
2	Alternate discharge check for H1	Do not discharge to the nearby sewage line (1.10 m from H1); check safe storm drain/open area after checking route to map label 504 (storm) near Begampur khatola (278 m).	Use only if site access and discharge permission are clear for H1.

S.No.	Pump Location	Discharge Point	Pump Capacity / Type
3	Gravity route to map label 504 (storm) near Begampur khatola (278 m)	Use gravity only if water from H1 can visibly enter map label 504 (storm) near Begampur khatola (278 m) after inlet and drain-level check.	No pump needed only if flow into map label 504 (storm) near Begampur khatola (278 m) is confirmed at site.

e. New Drain or Inlet Decision

For H1, check reported waterlogging point, nearby inlet condition and drain continuity. H1: map label 504 (storm) near Begampur khatola is 278 m away, but no building-free roadside route is mapped. Trace a road alignment, measure levels at both ends, mark utilities and confirm receiving-drain capacity before proposing construction.

f. Rainwater Harvesting Check

Not identified/applicable in current approved data

g. Temporary Diversion to Park or Pond

Not identified/applicable in current approved data

6. Site Visit Checklist for H1

Site check	Yes	No	Notes
Waterlogging seen at this pin	☐	☐	H1: 28.41452, 77.00912
Nearest drain/trunk visible	☐	☐	map label 504 (storm) near Begampur khatola (278 m)
Roadside connection route surveyed	☐	☐	No roadside connection route has been mapped without crossing a building. Before proposing work, survey a road alignment, measure the level at both ends, mark utilities and confirm continuous fall toward a stormwater drain that can accept flow.
Levels at both ends measured	☐	☐	Record source and receiving-drain levels; confirm continuous fall and a lower downstream water level.
Inlet/manhole blockage checked	☐	☐	Verify MCG point; clear nearest inlet and record site photos.
Silt visible in drain	☐	☐	Check map label 504 (storm) near Begampur khatola (278 m).
Sewage manhole overflow checked	☐	☐	MCG sewage line is about 1.10 m away. Check the nearest manhole for rising water. Do not discharge stormwater into this line.
Safe pump discharge route available	☐	☐	Keep pump ready because mapped drain/trunk is 278 m away; pump capacity to be checked at site.
Road/access safety checked	☐	☐	Record traffic/access constraint if present.
Photos taken and attached	☐	☐	Photo label should include H1.
Needs escalation to senior engineer	☐	☐	Escalate if the MCG-reported point has no visible inlet, repeated complaints, or unsafe pump discharge route.

7. Field Decision Box for H1

Decision	Select	Field note
Clean inlet/blockage immediately	☐	Verify MCG point; clear nearest inlet and record site photos.
Inspect/desilt stormwater drain	☐	Inspect and desilt map label 504 (storm) near Begampur khatola (278 m) if silt/choking is seen.
Survey a new roadside connection	☐	H1: map label 504 (storm) near Begampur khatola is 278 m away, but no building-free roadside route is mapped. Trace a road alignment, measure levels at both ends, mark utilities and confirm receiving-drain capacity before proposing construction.
Use a temporary pump	☐	Keep pump ready because mapped drain/trunk is 278 m away; pump capacity to be checked at site.
Escalate or restrict access	☐	Escalate if the MCG-reported point has no visible inlet, repeated complaints, or unsafe pump discharge route.