

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

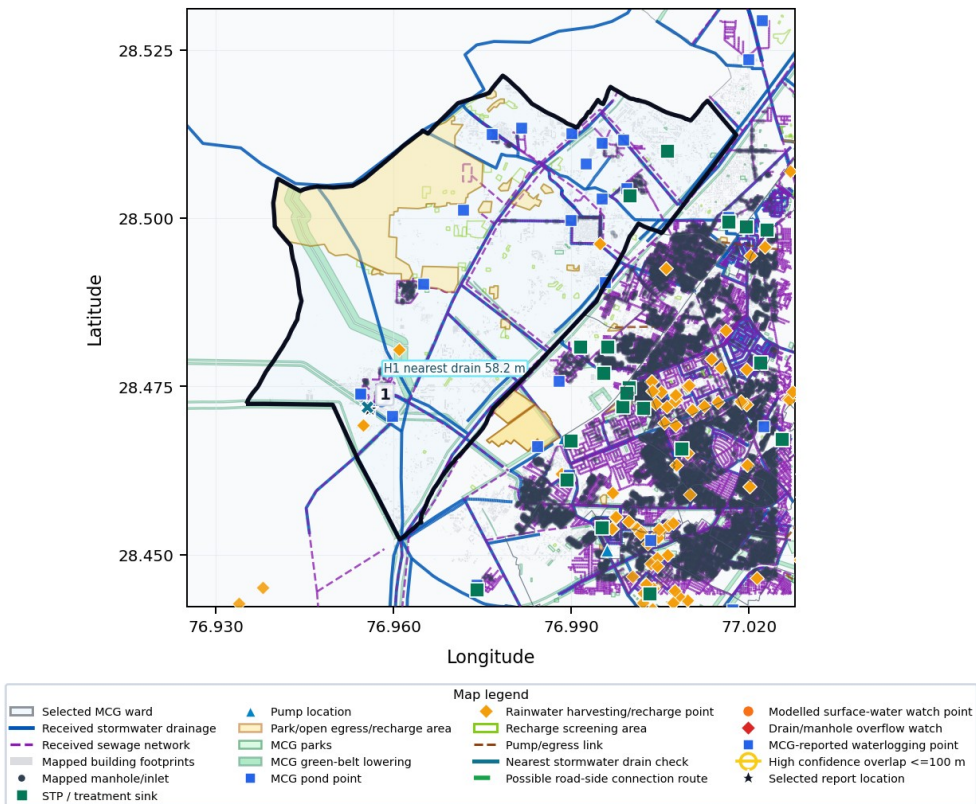
WARD NUMBER	MCG IDENTIFIED LOCATIONS	MODEL IDENTIFIED LOCATIONS
6	1	0
Ward Name / Area Covered	Babupur; Daultabad; Dhankot Village; Dharampur; Kherki Majra; Mohammadheri; Pawala Khusrupur; Sector 102; Sector 102A; Sector 103; Sector 106; Sector 107; Sector 108; Sector 109	
Zone	Zone III	
Division	Zone III	
Assigned JE	Ram Karan 7355848489/ Nishupal Gulia 9871375032	
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	30 mapped MCG work-status segments overlap this ward; 17 marked completed; 12 marked in progress; 1 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	Shri Satpal INC 9911116137
Executive Engineer (EE)	Sh. Sunder Sheoran, EE, 9466427222
Assistant Engineer (AE)	Sh. Pawan, AE, 8448534777
JE Development	Ram Karan 7355848489/ Nishupal Gulia 9871375032
JE Enforcement	Milan Yadav 8860367476
JE Horticulture	Akhlaq 9821395227
JE Electrical	Rahul Sharma 8077405619

Ward Action Map

Ward 6: 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 4,608 stormwater line segments, 32,958 sewage line segments, 10,725 manhole/inlet points, 26 STP/treatment points, 371 MCG park polygons, 27 pond points, 139 green-belt lowering areas and 267 rainwater-harvesting/recharge points from the approved GIS packet.

Field Action Summary

#	Location	Expected water	Mapped drain option	First field action
H1	Dhankot Canal road	maximum modelled depth 0.23 m; average within 50 m 0.23 m; water remains above 15 cm for 50 min.	mapped stormwater drain near Dhankot Canal road is 58.2 m away. The mapped roadside option is 74.9 m long and is not yet field-approved.	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	Dhankot Canal road	28.47165	76.95593	0.23 m; above 15 cm for 50 min	Confirm at this location

Hotspot-wise Details

HOTSPOT 1

1. Hotspot Identification

Hotspot Name	Dhankot Canal road
Latitude / Longitude	28.47165, 76.95593
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 \(58.2 m\)](#)

[H1: nearest mapped stormwater line \(6.60 m\)](#)

[H1: nearest mapped sewage line - Newly Added by JEs \(87.2 m\)](#)

[H1: possible roadside connection route](#)

[H1: MCG pond - Begampur Khatola Pond \(294 m\)](#)

[H1: MCG green-belt lowering area - Proposed \(14.1 m\)](#)

[H1: rainwater-harvesting/recharge point - GSSS DHANKOT \(288 m\)](#)

[H1: groundwater recharge screening area \(264 m\)](#)

[H1: nearest manhole/inlet \(290 m\)](#)

Scan QR code to open this hotspot on phone maps.



Hotspot Action Card

Go to	28.47165, 76.95593
Water concern	maximum modelled depth 0.23 m; average within 50 m 0.23 m; water remains above 15 cm for 50 min.
Nearest stormwater drain	mapped stormwater drain near Dhankot Canal road is 58.2 m away. The mapped roadside option is 74.9 m long and is not yet field-approved.
Roadside connection checks	Mapped roadside option: approximately 74.9 m from this point to the receiving stormwater drain. The map follows roads and avoids mapped buildings. The route starts and ends at the nearest road points, about 49.5 m and 8.40 m from the mapped locations. Before approval, survey the level at both ends, confirm continuous fall toward the drain, mark every utility crossing and check that the receiving drain can accept flow. Do not construct if any check fails.
Nearby MCG sewage line	MCG sewage line is about 87.2 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 mapped stormwater drain near Dhankot Canal road (58.2 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
Time water remains above 15 cm	minutes	50	July 2025 rain

Field measure	Unit	Model estimate	Selected rainfall
Time to exceed 15 cm after rain starts		Not resolved for this point	July 2025 rain
Maximum depth at this point	m	0.23 m	July 2025 rain
Average depth within 50 m	m	0.23 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: mapped stormwater drain near Dhankot Canal road is about 58.2 m away and the mapped roadside option is about 74.9 m long. Open the inlet and receiving-drain access point, then use a clean-water flow test or observe the next rainfall to confirm that water reaches the drain without backing up. Sewage check: an MCG sewage line is about 87.2 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

Mapped option: approximately 74.9 m of roadside connection to mapped stormwater drain near Dhankot Canal road, which is 58.2 m away directly. Before sanctioning work, measure the source and receiving-drain levels, confirm continuous fall toward the drain, mark utility crossings and check that the receiving drain can accept the added flow. Do not construct if any one of these checks fails.

c. When to Desilt

Inspect the inlet, first upstream access point and first downstream access point leading to mapped stormwater drain near Dhankot Canal road. 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 mapped stormwater drain near Dhankot Canal road (58.2 m) or a verified open/green area.	Confirm at site
2	Alternate discharge check for H1	Check a second safe discharge route from H1 to a storm drain/open area if mapped stormwater drain near Dhankot Canal road (58.2 m) cannot receive flow.	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 mapped stormwater drain near Dhankot Canal road (58.2 m)	Use gravity only if water from H1 can visibly enter mapped stormwater drain near Dhankot Canal road (58.2 m) after inlet and drain-level check.	No pump needed only if flow into mapped stormwater drain near Dhankot Canal road (58.2 m) is confirmed at site.

e. New Drain or Inlet Decision

For H1, check reported waterlogging point, nearby inlet condition and drain continuity. H1: survey the mapped 74.9 m roadside option to mapped stormwater drain near Dhankot Canal road, which is 58.2 m away directly. Measure levels at the source and receiving drain, confirm continuous fall, mark utilities and verify that the drain has capacity. Approve construction only when all four checks pass.

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: 28.47165, 76.95593
Nearest drain/trunk visible	☐	☐	mapped stormwater drain near Dhankot Canal road (58.2 m)
Roadside connection route surveyed	☐	☐	Mapped roadside option: approximately 74.9 m from this point to the receiving stormwater drain. The map follows roads and avoids mapped buildings. The route starts and ends at the nearest road points, about 49.5 m and 8.40 m from the mapped locations. Before approval, survey the level at both ends, confirm continuous fall toward the drain, mark every utility crossing and check that the receiving drain can accept flow. Do not construct if any check fails.
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 mapped stormwater drain near Dhankot Canal road (58.2 m).
Sewage manhole overflow checked	☐	☐	MCG sewage line is about 87.2 m away. Check the nearest manhole for rising water. Do not discharge stormwater into this line.
Safe pump discharge route available	☐	☐	Keep pump ready only if flow to mapped stormwater drain near Dhankot Canal road (58.2 m) does not start after inlet clearing.
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 mapped stormwater drain near Dhankot Canal road (58.2 m) if silt/choking is seen.
Survey a new roadside connection	☐	H1: survey the mapped 74.9 m roadside option to mapped stormwater drain near Dhankot Canal road, which is 58.2 m away directly. Measure levels at the source and receiving drain, confirm continuous fall, mark utilities and verify that the drain has capacity. Approve construction only when all four checks pass.
Use a temporary pump	☐	Keep pump ready only if flow to mapped stormwater drain near Dhankot Canal road (58.2 m) does not start after inlet clearing.
Escalate or restrict access	☐	Escalate if the MCG-reported point has no visible inlet, repeated complaints, or unsafe pump discharge route.