

Municipal Corporation of Gurugram (MCG)

Monsoon Preparedness & Flood Hotspot Management

WARD-WISE FLOOD HOTSPOT REPORT

For Use by Junior Engineers (JEs) at Ward Level

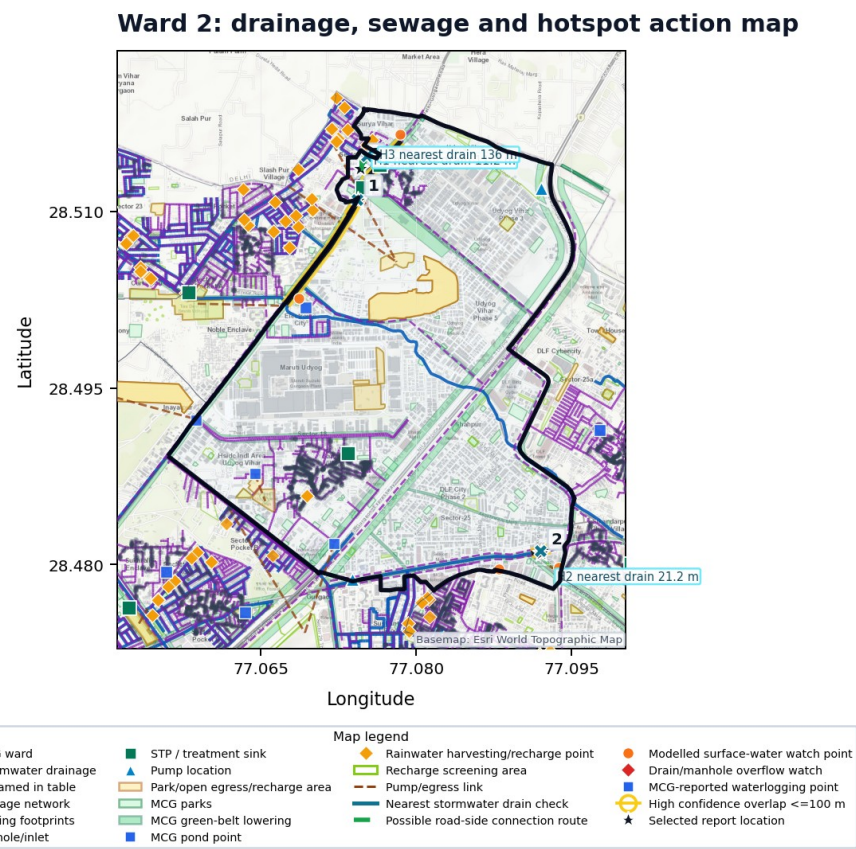
Ward Summary

WARD NUMBER	MCG IDENTIFIED LOCATIONS	MODEL IDENTIFIED LOCATIONS
2	4	9
Ward Name / Area Covered	Beverly park 1; DLF City Phase 2; DLF Cyber Hub; Surya Vihar (Sector 21); Dundahera Village; Mall Road; Maruti Udyog; Sarhaul Village; Sector 18; Udyog Vihar Phase 1; Udyog Vihar Phase 2; Udyog Vihar Phase 3; Udyog Vihar Phase 4	
Zone	Zone V	
Division	Zone V	
Assigned JE	Bhupender JE 9821395256	
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	11 mapped MCG work-status segments overlap this ward; 11 marked completed; 0 marked in progress. Confirm current completion with MCG field records.	
Priority action	Inspect drain/manhole overflow watch points, inlet condition, desilting status and downstream flow continuity	

Official Ward Contact Roster

Role	Supplied MCG contact
Councillor	Smt Jyotsna Yadav BJP 9971858287
Executive Engineer (EE)	Sh. Parveen Raghav, EE, 9999716115
Assistant Engineer (AE)	Sh. Naim Hussain, AE, 9821395235
JE Development	Bhupender JE 9821395256
JE Enforcement	Ankit Kapoor 8802588667
JE Horticulture	Gulshan Yadav 9821395258
JE Electrical	Devender 9999397898

Ward 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 2,810 stormwater line segments, 10,260 sewage line segments, 1,907 manhole/inlet points, 17 STP/treatment points, 322 MCG park polygons, 6 pond points, 141 green-belt lowering areas and 222 rainwater-harvesting/recharge points from the approved GIS packet.

Field Action Summary

#	Location	Expected water	Mapped drain option	First field action
H1	Bank wali gali Dundahera	maximum modelled depth 0.89 m; average within 50 m 0.50 m; water remains above 15 cm for 11.9 h.	map label 709 (storm) near Bank wali gali Dundahera is 11.2 m away. The mapped roadside option is 25.0 m long and is not yet field-approved.	Check water backing up at the manhole; verify trunk drain level before pumping.
H2	Sikanderpur entry from Bristal chowk	maximum modelled depth 0.67 m; average within 50 m 0.40 m; water remains above 15 cm for 10.5 h.	map label 699 (storm) near Sikanderpur entry from Bristal chowk is 21.2 m away. The mapped roadside option is 24.5 m long and is not yet field-approved.	Clear roadside inlet first; manage traffic around the hotspot.
H3	Bank wali gali Dundahera	maximum modelled depth 0.66 m; average within 50 m 0.60 m; water remains above 15 cm for 8.0 h.	mapped stormwater drain near Bank wali gali Dundahera is 136 m away. The mapped roadside option is 204 m long and is not yet field-approved.	Check water backing up at the manhole; verify trunk drain level before pumping.

Complete Ward Location Register

No.	Source	Location	Lat	Lon	Expected water	How to use this point
R0 1	MCG	Sarhol mod sector -18 T point	28.49230	77.05874	0.11 m; above 15 cm for 49 min	Confirm at this location
R0 2	MCG	Indian oil service road sector 18	28.48176	77.07203	0.57 m; above 15 cm for 2.3 h	Confirm at this location
R0 3	MCG	In front of plot no-75D sector 18	28.48775	77.06439	0.23 m; above 15 cm for 52 min	Confirm at this location
R0 4	MCG	Bank wali gali Dundahera	28.51378	77.07666	0.16 m; above 15 cm for 18 min	Supported by model within 0 m
M0 1	Overflow watch	Bank wali gali Dundahera	28.51096	77.07438	0.89 m; above 15 cm for 11.9 h	Confirm at this location
M0 2	Model depth	Sikanderpur entry from Bristal chowk	28.48095	77.09208	0.67 m; above 15 cm for 10.5 h	Confirm at this location

No.	Source	Location	Lat	Lon	Expected water	How to use this point
M0 3	Overflow watch	Bank wali gali Dundahera	28.51366	77.07463	0.66 m; above 15 cm for 8.0 h	Confirm at this location
M0 4	Model depth	Bank wali gali Dundahera	28.51100	77.07450	0.92 m; above 15 cm for 11.9 h	Confirm at this location
M0 5	Model depth	Bank wali gali Dundahera	28.51654	77.07842	1.10 m; above 15 cm for 11.4 h	Confirm at this location
M0 6	Model depth	Sikanderpur entry from Bristal chowk	28.47970	77.09378	0.87 m; above 15 cm for 9.9 h	Confirm at this location
M0 7	MCG + model	Bank wali gali Dundahera	28.51378	77.07666	0.80 m	Supported by MCG report within 0 m
M0 8	Model depth	Sikanderpur entry from Bristal chowk	28.47960	77.08800	0.85 m; above 15 cm for 8.4 h	Confirm at this location
M0 9	Model depth	In front of H.no-1128 sector 21	28.50262	77.06864	0.82 m; above 15 cm for 11.0 h	Confirm at this location

Hotspot-wise Details

HOTSPOT 1

1. Hotspot Identification

Hotspot Name	Bank wali gali Dundahera
Latitude / Longitude	28.51096, 77.07438
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 709 \(11.2 m\)](#)

[H1: nearest mapped stormwater line \(0.00 m\)](#)

[H1: mapped action drain - map label SWD-LINE-417 \(0.00 m\)](#)

[H1: mapped main stormwater drain \(11.2 m\)](#)

[H1: nearest mapped sewage line \(4.10 m\)](#)

[H1: possible roadside connection route](#)

[H1: mapped pump - Sunaro wali Gali Dundahera; capacity 8.33 L/s \(118 m\)](#)

[H1: open/green receptor or park \(588 m\)](#)

[H1: MCG park - Dundhera Park Booster Park; ward 2 \(34.0 m\)](#)

[H1: MCG pond - Molahera Village Pond \(1,125 m\)](#)

[H1: MCG green-belt lowering area - Proposed \(0.00 m\)](#)

[H1: rainwater-harvesting/recharge point - In Front of Shiv Mandir, Dundahera \(recorded as non-functional\) \(438 m\)](#)

[H1: groundwater recharge screening area \(588 m\)](#)

[H1: nearest STP/treatment point - SUNAR WALI GALI DUNDAHERA \(120 m\)](#)

[H1: nearest manhole/inlet \(119 m\)](#)

Scan QR code to open this hotspot on phone maps.



Hotspot Action Card

Go to	28.51096, 77.07438
Water concern	maximum modelled depth 0.89 m; average within 50 m 0.50 m; water remains above 15 cm for 11.9 h.
Nearest stormwater drain	map label 709 (storm) near Bank wali gali Dundahera is 11.2 m away. The mapped roadside option is 25.0 m long and is not yet field-approved.
Roadside connection checks	Mapped roadside option: approximately 25.0 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 8.30 m and 8.30 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 4.10 m away. Check the nearest manhole for rising water. Do not discharge stormwater into this line.
First action at site	Check water backing up at the manhole; verify trunk drain level before pumping.
Before monsoon	Inspect and desilt map label 709 (storm) near Bank wali gali Dundahera (11.2 m) if silt/choking is seen.
Escalate if	Escalate if manhole overflow continues, trunk water level is high, or pumping has no safe 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	m³	3,605 m³	July 2025 rain
Time water remains above 15 cm	hours	11.9	July 2025 rain
Time to exceed 15 cm after rain starts	minutes	5	July 2025 rain
Maximum depth at this point	m	0.89 m	July 2025 rain
Average depth within 50 m	m	0.50 m	July 2025 rain
Maximum modelled flow speed	m/s	0.25 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 709 (storm) near Bank wali gali Dundahera is about 11.2 m away and the mapped roadside option is about 25.0 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 4.10 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

Mapped option: approximately 25.0 m of roadside connection to map label 709 (storm) near Bank wali gali Dundahera, which is 11.2 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 map label 709 (storm) near Bank wali gali Dundahera. 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	Nearest mapped pump: Sunaro wali Gali Dundahera; capacity 8.33 L/s; likely discharge: Leg 1 visit needed.	Confirm at site
2	Alternate discharge check for H1	Do not discharge to the nearby sewage line (4.10 m from H1); check safe storm drain/open area after checking route to map label 709 (storm) near Bank wali gali Dundahera (11.2 m).	Use only if site access and discharge permission are clear for H1.
3	Gravity route to map label 709 (storm) near Bank wali gali Dundahera (11.2 m)	Use gravity only if water from H1 can visibly enter map label 709 (storm) near Bank wali gali Dundahera (11.2 m) after inlet and drain-level check.	No pump needed only if flow into map label 709 (storm) near Bank wali gali Dundahera (11.2 m) is confirmed at site.

e. New Drain or Inlet Decision

For H1, nearest main stormwater drain is 11 m away; check road inlet level, drain level and downstream discharge before routing or pumping. Map screening used depth/persistence/drain return, 50 m local flood-volume estimate, screened park/open receptors, storm-drain proximity, sewer proximity caution, and site visit constraints. H1: survey the mapped 25.0 m roadside option to map label 709 (storm) near Bank wali gali Dundahera, which is 11.2 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

Nearby open/receptor area: distance 588 m; possible temporary storage 7,333 m³; class priority. Use only after checking groundwater, water quality and ownership.

g. Temporary Diversion to Park or Pond

Possible nearby storage: 7,333 m³; Check slope, access, permission and overflow route.

6. Site Visit Checklist for H1

Site check	Yes	No	Notes
Waterlogging seen at this pin	☐	☐	H1: 28.51096, 77.07438
Nearest drain/trunk visible	☐	☐	map label 709 (storm) near Bank wali gali Dundahera (11.2 m)
Roadside connection route surveyed	☐	☐	Mapped roadside option: approximately 25.0 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 8.30 m and 8.30 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	☐	☐	Check water backing up at the manhole; verify trunk drain level before pumping.
Silt visible in drain	☐	☐	Check map label 709 (storm) near Bank wali gali Dundahera (11.2 m).
Sewage manhole overflow checked	☐	☐	MCG sewage line is about 4.10 m away. Check the nearest manhole for rising water. Do not discharge stormwater into this line.
Safe pump discharge route available	☐	☐	Keep pump ready only after checking manhole/trunk level; pump capacity to be checked at site.
Road/access safety checked	☐	☐	12 m from Old Delhi Gurgaon Road (secondary)
Photos taken and attached	☐	☐	Photo label should include H1.
Needs escalation to senior engineer	☐	☐	Escalate if manhole overflow continues, trunk water level is high, or pumping has no safe discharge route.

7. Field Decision Box for H1

Decision	Select	Field note
Clean inlet/blockage immediately	☐	Check water backing up at the manhole; verify trunk drain level before pumping.
Inspect/desilt stormwater drain	☐	Inspect and desilt map label 709 (storm) near Bank wali gali Dundahera (11.2 m) if silt/choking is seen.
Survey a new roadside connection	☐	H1: survey the mapped 25.0 m roadside option to map label 709 (storm) near Bank wali gali Dundahera, which is 11.2 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 after checking manhole/trunk level; pump capacity to be checked at site.
Escalate or restrict access	☐	Escalate if manhole overflow continues, trunk water level is high, or pumping has no safe discharge route.

HOTSPOT 2

1. Hotspot Identification

Hotspot Name	Sikanderpur entry from Bristal chowk
Latitude / Longitude	28.48095, 77.09208
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.

[H2: hotspot pin](#)

[H2: mapped receiving stormwater drain - map label 699 \(21.2 m\)](#)

[H2: nearest mapped stormwater line - map label 699 \(21.2 m\)](#)

[H2: mapped action drain \(21.2 m\)](#)

[H2: mapped main stormwater drain \(21.2 m\)](#)

[H2: nearest mapped sewage line - GMDA Network \(3.80 m\)](#)

[H2: possible roadside connection route](#)

[H2: open/green receptor or park - PARK; storage 1,803 m³ \(430 m\)](#)

[H2: MCG park - Mall Road; ward 2 \(80.7 m\)](#)

[H2: MCG pond - Nathupur Pond \(near Mandir\) \(1,287 m\)](#)

[H2: MCG green-belt lowering area - Proposed \(0.00 m\)](#)

[H2: rainwater-harvesting/recharge point - Govt.Sr. Sec. School Chakkarpur \(recorded as functional\) \(927 m\)](#)

[H2: groundwater recharge screening area \(114 m\)](#)

[H2: nearest STP/treatment point - MICRO-STP SIKANDARPUR JOHAD; capacity 0.10 MLD \(855 m\)](#)

[H2: nearest manhole/inlet \(59.5 m\)](#)

Scan QR code to open this hotspot on phone maps.



Hotspot Action Card

Go to	28.48095, 77.09208
Water concern	maximum modelled depth 0.67 m; average within 50 m 0.40 m; water remains above 15 cm for 10.5 h.
Nearest stormwater drain	map label 699 (storm) near Sikanderpur entry from Bristal chowk is 21.2 m away. The mapped roadside option is 24.5 m long and is not yet field-approved.

Roadside connection checks	Mapped roadside option: approximately 24.5 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 5.50 m and 19.0 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 3.80 m away. Check the nearest manhole for rising water. Do not discharge stormwater into this line.
First action at site	Clear roadside inlet first; manage traffic around the hotspot.
Before monsoon	Inspect and desilt map label 699 (storm) near Sikanderpur entry from Bristol chowk (21.2 m) if silt/choking is seen.
Escalate if	Escalate if road movement is affected or inlet clearing cannot restore flow.

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 H2, 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	m³	2,196 m³	July 2025 rain
Time water remains above 15 cm	hours	10.5	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	0.67 m	July 2025 rain
Average depth within 50 m	m	0.40 m	July 2025 rain
Maximum modelled flow speed	m/s	0.00 m/s	July 2025 rain

H2: 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 699 (storm) near Sikanderpur entry from Bristol chowk is about 21.2 m away and the mapped roadside option is about 24.5 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 3.80 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 24.5 m of roadside connection to map label 699 (storm) near Sikanderpur entry from Bristal chowk, which is 21.2 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 map label 699 (storm) near Sikanderpur entry from Bristal chowk. 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	H2 / local low point	No mapped pump is shown near H2. If water remains after inlet clearing, use a temporary pump only toward map label 699 (storm) near Sikanderpur entry from Bristal chowk (21.2 m) or a verified open/green area; do not use the nearby sewage line (3.80 m from H2) as discharge.	305 L/s for 2-hour clearing; 152 L/s for 4-hour clearing; confirm pump head and hose route at H2.
2	Alternate discharge check for H2	Do not discharge to the nearby sewage line (3.80 m from H2); check safe storm drain/open area after checking route to map label 699 (storm) near Sikanderpur entry from Bristal chowk (21.2 m).	Use only if site access and discharge permission are clear for H2.
3	Gravity route to map label 699 (storm) near Sikanderpur entry from Bristal chowk (21.2 m)	Use gravity only if water from H2 can visibly enter map label 699 (storm) near Sikanderpur entry from Bristal chowk (21.2 m) after inlet and drain-level check.	No pump needed only if flow into map label 699 (storm) near Sikanderpur entry from Bristal chowk (21.2 m) is confirmed at site.

e. New Drain or Inlet Decision

For H2, nearest main stormwater drain is 21 m away; check road inlet level, drain level and downstream discharge before routing or pumping. Map screening used depth/persistence/drain return, 50 m local flood-volume estimate, screened park/open receptors, storm-drain proximity, sewer proximity caution, and site visit constraints. H2: survey the mapped 24.5 m roadside option to map label 699 (storm) near Sikanderpur entry from Bristal chowk, which is 21.2 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

Nearby open/receptor area: PARK; distance 430 m; possible temporary storage 1,803 m³; class site visit.
Use only after checking groundwater, water quality and ownership.

g. Temporary Diversion to Park or Pond

Possible receiving area: PARK; possible storage 1,803 m³; Check slope, access, permission and overflow route.

6. Site Visit Checklist for H2

Site check	Yes	No	Notes
Waterlogging seen at this pin	☐	☐	H2: 28.48095, 77.09208
Nearest drain/trunk visible	☐	☐	map label 699 (storm) near Sikanderpur entry from Bristal chowk (21.2 m)
Roadside connection route surveyed	☐	☐	Mapped roadside option: approximately 24.5 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 5.50 m and 19.0 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	☐	☐	Clear roadside inlet first; manage traffic around the hotspot.
Silt visible in drain	☐	☐	Check map label 699 (storm) near Sikanderpur entry from Bristal chowk (21.2 m).
Sewage manhole overflow checked	☐	☐	MCG sewage line is about 3.80 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 map label 699 (storm) near Sikanderpur entry from Bristal chowk (21.2 m) does not start after inlet clearing.
Road/access safety checked	☐	☐	3 m from Mehrauli Gurgaon Road (trunk)
Photos taken and attached	☐	☐	Photo label should include H2.
Needs escalation to senior engineer	☐	☐	Escalate if road movement is affected or inlet clearing cannot restore flow.

7. Field Decision Box for H2

Decision	Select	Field note
Clean inlet/blockage immediately	[]	Clear roadside inlet first; manage traffic around the hotspot.
Inspect/desilt stormwater drain	[]	Inspect and desilt map label 699 (storm) near Sikanderpur entry from Bristol chowk (21.2 m) if silt/choking is seen.
Survey a new roadside connection	[]	H2: survey the mapped 24.5 m roadside option to map label 699 (storm) near Sikanderpur entry from Bristol chowk, which is 21.2 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 map label 699 (storm) near Sikanderpur entry from Bristol chowk (21.2 m) does not start after inlet clearing.
Escalate or restrict access	[]	Escalate if road movement is affected or inlet clearing cannot restore flow.

HOTSPOT 3

1. Hotspot Identification

Hotspot Name	Bank wali gali Dundahera
Latitude / Longitude	28.51366, 77.07463
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.

[H3: hotspot pin](#)

[H3: mapped receiving stormwater drain \(136 m\)](#)

[H3: nearest mapped stormwater line - map label 707 \(106 m\)](#)

[H3: mapped action drain \(106 m\)](#)

[H3: mapped main stormwater drain \(106 m\)](#)

[H3: nearest mapped sewage line \(0.10 m\)](#)

[H3: possible roadside connection route](#)

[H3: mapped pump - Sunaro wali Gali Dundahera; capacity 8.33 L/s \(200 m\)](#)

[H3: open/green receptor or park \(858 m\)](#)

[H3: MCG park - Dundhera Park Booster Park; ward 2 \(191 m\)](#)

[H3: MCG pond - Molahera Village Pond \(1,407 m\)](#)

[H3: MCG green-belt lowering area - Proposed \(52.8 m\)](#)

[H3: rainwater-harvesting/recharge point - In Front of Shiv Mandir, Dundahera \(recorded as non-functional\) \(151 m\)](#)

[H3: groundwater recharge screening area \(858 m\)](#)

[H3: nearest STP/treatment point - SUMP WELL \(182 m\)](#)

[H3: nearest manhole/inlet \(0.20 m\)](#)

Scan QR code to open this hotspot on phone maps.



Hotspot Action Card

Go to	28.51366, 77.07463
Water concern	maximum modelled depth 0.66 m; average within 50 m 0.60 m; water remains above 15 cm for 8.0 h.

Nearest stormwater drain	mapped stormwater drain near Bank wali gali Dundahera is 136 m away. The mapped roadside option is 204 m long and is not yet field-approved.
Roadside connection checks	Mapped roadside option: approximately 204 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 12.0 m and 2.50 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 at this point. Check the nearest manhole for rising water. Do not discharge stormwater into this line.
First action at site	Check water backing up at the manhole; verify trunk drain level before pumping.
Before monsoon	Inspect and desilt mapped stormwater drain near Bank wali gali Dundahera (136 m) if silt/choking is seen.
Escalate if	Escalate if manhole overflow continues, trunk water level is high, or pumping has no safe 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 H3, 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	m³	2,236 m³	July 2025 rain
Time water remains above 15 cm	hours	8.0	July 2025 rain
Time to exceed 15 cm after rain starts	hours	8.5	July 2025 rain
Maximum depth at this point	m	0.66 m	July 2025 rain
Average depth within 50 m	m	0.60 m	July 2025 rain
Maximum modelled flow speed	m/s	0.00 m/s	July 2025 rain

H3: 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 Bank wali gali Dundahera is about 136 m away and the mapped roadside option is about 204 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 at this point. 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 204 m of roadside connection to mapped stormwater drain near Bank wali gali Dundahera, which is 136 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 Bank wali gali Dundahera. 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	H3 / local low point	Nearest mapped pump: Sunaro wali Gali Dundahera; capacity 8.33 L/s; likely discharge: Leg 1 visit needed.	Confirm at site
2	Alternate discharge check for H3	Do not discharge to the nearby sewage line (0.10 m from H3); check safe storm drain/open area after checking route to mapped stormwater drain near Bank wali gali Dundahera (136 m).	Use only if site access and discharge permission are clear for H3.
3	Gravity route to mapped stormwater drain near Bank wali gali Dundahera (136 m)	Use gravity only if water from H3 can visibly enter mapped stormwater drain near Bank wali gali Dundahera (136 m) after inlet and drain-level check.	No pump needed only if flow into mapped stormwater drain near Bank wali gali Dundahera (136 m) is confirmed at site.

e. New Drain or Inlet Decision

For H3, no screened pump/open receptor or main-drain drainage relief route within 50 m; field team should check a safe pump route. Map screening used depth/persistence/drain return, 50 m local flood-volume estimate, screened park/open receptors, storm-drain proximity, sewer proximity caution, and site visit constraints. H3: survey the mapped 204 m roadside option to mapped stormwater drain near Bank wali gali Dundahera, which is 136 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

Nearby open/receptor area: distance 858 m; possible temporary storage 7,333 m³; class priority. Use only after checking groundwater, water quality and ownership.

g. Temporary Diversion to Park or Pond

Possible nearby storage: 7,333 m³; Check slope, access, permission and overflow route.

6. Site Visit Checklist for H3

Site check	Yes	No	Notes
Waterlogging seen at this pin	☐	☐	H3: 28.51366, 77.07463
Nearest drain/trunk visible	☐	☐	mapped stormwater drain near Bank wali gali Dundahera (136 m)
Roadside connection route surveyed	☐	☐	Mapped roadside option: approximately 204 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 12.0 m and 2.50 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	☐	☐	Check water backing up at the manhole; verify trunk drain level before pumping.
Silt visible in drain	☐	☐	Check mapped stormwater drain near Bank wali gali Dundahera (136 m).
Sewage manhole overflow checked	☐	☐	MCG sewage line is at this point. Check the nearest manhole for rising water. Do not discharge stormwater into this line.
Safe pump discharge route available	☐	☐	Keep pump ready only after checking manhole/trunk level; pump capacity to be checked at site.
Road/access safety checked	☐	☐	97 m from Old Delhi Gurgaon Road (secondary)
Photos taken and attached	☐	☐	Photo label should include H3.
Needs escalation to senior engineer	☐	☐	Escalate if manhole overflow continues, trunk water level is high, or pumping has no safe discharge route.

7. Field Decision Box for H3

Decision	Select	Field note
Clean inlet/blockage immediately	☐	Check water backing up at the manhole; verify trunk drain level before pumping.
Inspect/desilt stormwater drain	☐	Inspect and desilt mapped stormwater drain near Bank wali gali Dundahera (136 m) if silt/choking is seen.
Survey a new roadside connection	☐	H3: survey the mapped 204 m roadside option to mapped stormwater drain near Bank wali gali Dundahera, which is 136 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 after checking manhole/trunk level; pump capacity to be checked at site.
Escalate or restrict access	☐	Escalate if manhole overflow continues, trunk water level is high, or pumping has no safe discharge route.