

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

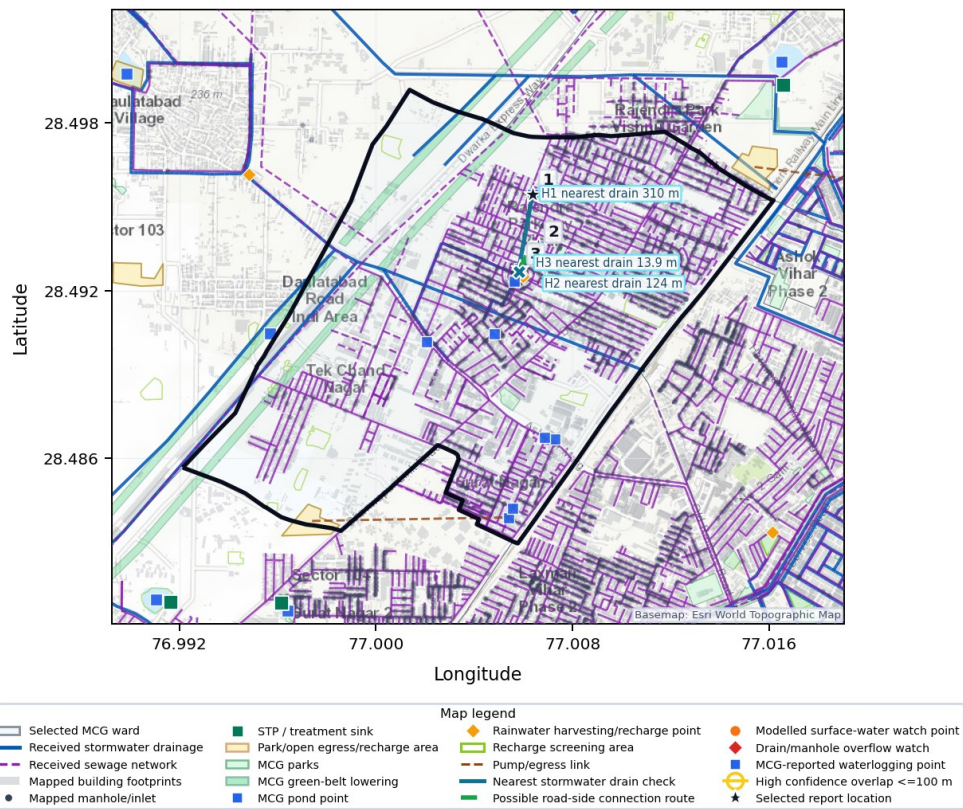
WARD NUMBER	MCG IDENTIFIED LOCATIONS	MODEL IDENTIFIED LOCATIONS
34	10	0
Ward Name / Area Covered	Anand Garden (Rajendra Park); Ashok Garden (Rajendra Park); Daultabad Industrial Area; Mahalaxmi Garden(Rajendra Park); Rajendra Park; Rattan Vihar/ Jai Vihar (Rajendra Park); Surat Nagar Phase 1; Swaroop Garden(Rajendra Park); Tek Chand Nagar; Vishnu Garden	
Zone	Zone III	
Division	Zone III	
Assigned JE	Satyender Kumar 9307322111	
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	6 mapped MCG work-status segments overlap this ward; 0 marked completed; 6 marked in progress. 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. Surekha BJP 9211929971
Executive Engineer (EE)	Sh. Sunder Sheoran, EE, 9466427222
Assistant Engineer (AE)	Sh. Pawan, AE, 8448534777
JE Development	Satyender Kumar 9307322111
JE Enforcement	Milan Yadav 8860367476
JE Horticulture	Akhlaq 9821395227
JE Electrical	Rahul Sharma 8077405619

Ward Action Map

Ward 34: 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 1,637 stormwater line segments, 10,974 sewage line segments, 3,272 manhole/inlet points, 15 STP/treatment points, 118 MCG park polygons, 9 pond points, 44 green-belt lowering areas and 98 rainwater-harvesting/recharge points from the approved GIS packet.

Field Action Summary

#	Location	Expected water	Mapped drain option	First field action
H1	Gopi Pandit Wali Gali, Rajendra Park	maximum modelled depth 0.08 m; average within 50 m 0.08 m; water remains above 15 cm for 2 min.	map label SWD_v1_19868 (storm) near Gopi Pandit Wali Gali, Rajendra Park is 310 m away. No field-approved connection route is recorded.	Verify MCG point; clear nearest inlet and record site photos.
H2	A-Block, Park wali gali, Rajendra Park	maximum modelled depth 0.05 m; average within 50 m 0.05 m; water remains above 15 cm for 0 min.	map label SWD_v1_19868 (storm) near A-Block, Park wali gali, Rajendra Park is 124 m away. The mapped roadside option is 149 m long and is not yet field-approved.	Verify MCG point; clear nearest inlet and record site photos.
H3	Near Vishkarma Mandir, Rajendra Park	maximum modelled depth 0.15 m; average within 50 m 0.15 m; water remains above 15 cm for 19 min.	map label SWD_v1_19868 (storm) near Near Vishkarma Mandir, Rajendra Park is 13.9 m away. The mapped roadside option is 14.1 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	Gopi Pandit Wali Gali, Rajendra Park	28.49544	77.00637	0.08 m; above 15 cm for 2 min	Confirm at this location
R0 2	MCG	A-Block, Park wali gali, Rajendra Park	28.49358	77.00659	0.05 m; above 15 cm for 0 min	Confirm at this location
R0 3	MCG	Near Vishkarma Mandir, Rajendra Park	28.49280	77.00587	0.15 m; above 15 cm for 19 min	Confirm at this location
R0 4	MCG	Near Gol Chakkar, Rajendra Park	28.49233	77.00564	0.15 m; above 15 cm for 20 min	Confirm at this location
R0 5	MCG	G-Block, Ekta Market, Rajendra Park	28.49045	77.00483	0.02 m; above 15 cm for 0 min	Confirm at this location
R0 6	MCG	Toyota Showroom wali gali, Rajendra Park	28.49018	77.00206	0.16 m; above 15 cm for 53 min	Confirm at this location

No.	Source	Location	Lat	Lon	Expected water	How to use this point
R07	MCG	Gali No. 10, Surat Nagar Phase-I	28.48387	77.00539	0.08 m; above 15 cm for 5 min	Confirm at this location
R08	MCG	Gali No. 9, Surat Nagar Phase-I	28.48422	77.00556	0.08 m; above 15 cm for 5 min	Confirm at this location
R09	MCG	Gali No. 3, Surat Nagar Phase-I	28.48670	77.00727	0.11 m; above 15 cm for 50 min	Confirm at this location
R10	MCG	Gali No. 8, Surat Nagar Phase-I	28.48677	77.00685	0.14 m; above 15 cm for 55 min	Confirm at this location

Hotspot-wise Details

HOTSPOT 1

1. Hotspot Identification

Hotspot Name	Gopi Pandit Wali Gali, Rajendra Park
Latitude / Longitude	28.49544, 77.00637
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 SWD_v1_19868 \(310 m\)](#)

[H1: nearest mapped stormwater line - map label SWD_v1_19868 \(310 m\)](#)

[H1: nearest mapped sewage line \(1.50 m\)](#)

[H1: open/green receptor or park \(802 m\)](#)

[H1: MCG park - Rajindra Park; ward 34 \(228 m\)](#)

[H1: MCG pond - Sarai Alawardi Pond \(1,124 m\)](#)

[H1: MCG green-belt lowering area - Proposed \(229 m\)](#)

[H1: rainwater-harvesting/recharge point - Chowk in Rajendra Park \(recorded as functional\) \(328 m\)](#)

[H1: groundwater recharge screening area \(545 m\)](#)

[H1: nearest STP/treatment point - MICRO STP JAHAGARH NEAR POND; capacity 50.0 KLD \(1,070 m\)](#)

[H1: nearest manhole/inlet \(18.7 m\)](#)

Scan QR code to open this hotspot on phone maps.



Hotspot Action Card

Go to	28.49544, 77.00637
Water concern	maximum modelled depth 0.08 m; average within 50 m 0.08 m; water remains above 15 cm for 2 min.
Nearest stormwater drain	map label SWD_v1_19868 (storm) near Gopi Pandit Wali Gali, Rajendra Park is 310 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 1.50 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 SWD_v1_19868 (storm) near Gopi Pandit Wali Gali, Rajendra Park (310 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	m³	Not available at point scale; use depth and timing for field action	July 2025 rain
Time water remains above 15 cm	minutes	2	July 2025 rain
Time to exceed 15 cm after rain starts		Not resolved for this point	July 2025 rain

Field measure	Unit	Model estimate	Selected rainfall
Maximum depth at this point	m	0.08 m	July 2025 rain
Average depth within 50 m	m	0.08 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 SWD_v1_19868 (storm) near Gopi Pandit Wali Gali, Rajendra Park is about 310 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 1.50 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 SWD_v1_19868 (storm) near Gopi Pandit Wali Gali, Rajendra Park is about 310 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 SWD_v1_19868 (storm) near Gopi Pandit Wali Gali, Rajendra Park. 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 SWD_v1_19868 (storm) near Gopi Pandit Wali Gali, Rajendra Park (310 m) or a verified open/green area; do not use the nearby sewage line (1.50 m from H1) as discharge.	Confirm at site
2	Alternate discharge check for H1	Do not discharge to the nearby sewage line (1.50 m from H1); check safe storm drain/open area after checking route to map label SWD_v1_19868 (storm) near Gopi Pandit Wali Gali, Rajendra Park (310 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 SWD_v1_19868 (storm) near Gopi Pandit Wali Gali, Rajendra Park (310 m)	Use gravity only if water from H1 can visibly enter map label SWD_v1_19868 (storm) near Gopi Pandit Wali Gali, Rajendra Park (310 m) after inlet and drain-level check.	No pump needed only if flow into map label SWD_v1_19868 (storm) near Gopi Pandit Wali Gali, Rajendra Park (310 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 SWD_v1_19868 (storm) near Gopi Pandit Wali Gali, Rajendra Park is 310 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: 28.49544, 77.00637
Nearest drain/trunk visible	☐	☐	map label SWD_v1_19868 (storm) near Gopi Pandit Wali Gali, Rajendra Park (310 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 SWD_v1_19868 (storm) near Gopi Pandit Wali Gali, Rajendra Park (310 m).
Sewage manhole overflow checked	☐	☐	MCG sewage line is about 1.50 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 310 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 SWD_v1_19868 (storm) near Gopi Pandit Wali Gali, Rajendra Park (310 m) if silt/choking is seen.
Survey a new roadside connection	☐	H1: map label SWD_v1_19868 (storm) near Gopi Pandit Wali Gali, Rajendra Park is 310 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 310 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.

HOTSPOT 2

1. Hotspot Identification

Hotspot Name	A-Block, Park wali gali, Rajendra Park
Latitude / Longitude	28.49358, 77.00659
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 SWD_v1_19868 \(124 m\)](#)

[H2: nearest mapped stormwater line - map label SWD_v1_19868 \(124 m\)](#)

[H2: nearest mapped sewage line \(7.00 m\)](#)

[H2: possible roadside connection route](#)

[H2: open/green receptor or park \(834 m\)](#)

[H2: MCG park - Rajindra Park; ward 34 \(82.0 m\)](#)

[H2: MCG pond - Daultabad Pond \(Daultabad to Dhanwapur road\) \(1,122 m\)](#)

[H2: MCG green-belt lowering area - Proposed \(386 m\)](#)

[H2: rainwater-harvesting/recharge point - Chowk in Rajendra Park \(recorded as functional\) \(134 m\)](#)

[H2: groundwater recharge screening area \(413 m\)](#)

[H2: nearest STP/treatment point - SARAI ALAWARDI; capacity 1.00 MLD \(1,169 m\)](#)

[H2: nearest manhole/inlet \(24.4 m\)](#)

Scan QR code to open this hotspot on phone maps.



Hotspot Action Card

Go to	28.49358, 77.00659
Water concern	maximum modelled depth 0.05 m; average within 50 m 0.05 m; water remains above 15 cm for 0 min.
Nearest stormwater drain	map label SWD_v1_19868 (storm) near A-Block, Park wali gali, Rajendra Park is 124 m away. The mapped roadside option is 149 m long and is not yet field-approved.

Roadside connection checks	Mapped roadside option: approximately 149 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 25.9 m and 3.00 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 7.00 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 SWD_v1_19868 (storm) near A-Block, Park wali gali, Rajendra Park (124 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 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	m ³	Not available at point scale; use depth and timing for field action	July 2025 rain
Time water remains above 15 cm	minutes	0	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	0.05 m	July 2025 rain
Average depth within 50 m	m	0.05 m	July 2025 rain
Maximum modelled flow speed	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 SWD_v1_19868 (storm) near A-Block, Park wali gali, Rajendra Park is about 124 m away and the mapped roadside option is about 149 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 7.00 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 149 m of roadside connection to map label SWD_v1_19868 (storm) near A-Block, Park wali gali, Rajendra Park, which is 124 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 SWD_v1_19868 (storm) near A-Block, Park wali gali, Rajendra Park. 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 SWD_v1_19868 (storm) near A-Block, Park wali gali, Rajendra Park (124 m) or a verified open/green area; do not use the nearby sewage line (7.00 m from H2) as discharge.	Confirm at site
2	Alternate discharge check for H2	Do not discharge to the nearby sewage line (7.00 m from H2); check safe storm drain/open area after checking route to map label SWD_v1_19868 (storm) near A-Block, Park wali gali, Rajendra Park (124 m).	Use only if site access and discharge permission are clear for H2.
3	Gravity route to map label SWD_v1_19868 (storm) near A-Block, Park wali gali, Rajendra Park (124 m)	Use gravity only if water from H2 can visibly enter map label SWD_v1_19868 (storm) near A-Block, Park wali gali, Rajendra Park (124 m) after inlet and drain-level check.	No pump needed only if flow into map label SWD_v1_19868 (storm) near A-Block, Park wali gali, Rajendra Park (124 m) is confirmed at site.

e. New Drain or Inlet Decision

For H2, check reported waterlogging point, nearby inlet condition and drain continuity. H2: survey the mapped 149 m roadside option to map label SWD_v1_19868 (storm) near A-Block, Park wali gali, Rajendra Park, which is 124 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 H2

Site check	Yes	No	Notes
Waterlogging seen at this pin	☐	☐	H2: 28.49358, 77.00659
Nearest drain/trunk visible	☐	☐	map label SWD_v1_19868 (storm) near A-Block, Park wali gali, Rajendra Park (124 m)
Roadside connection route surveyed	☐	☐	Mapped roadside option: approximately 149 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 25.9 m and 3.00 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 map label SWD_v1_19868 (storm) near A-Block, Park wali gali, Rajendra Park (124 m).
Sewage manhole overflow checked	☐	☐	MCG sewage line is about 7.00 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 SWD_v1_19868 (storm) near A-Block, Park wali gali, Rajendra Park (124 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 H2.
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 H2

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 SWD_v1_19868 (storm) near A-Block, Park wali gali, Rajendra Park (124 m) if silt/choking is seen.
Survey a new roadside connection	[]	H2: survey the mapped 149 m roadside option to map label SWD_v1_19868 (storm) near A-Block, Park wali gali, Rajendra Park, which is 124 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 SWD_v1_19868 (storm) near A-Block, Park wali gali, Rajendra Park (124 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.

HOTSPOT 3

1. Hotspot Identification

Hotspot Name	Near Vishkarma Mandir, Rajendra Park
Latitude / Longitude	28.49280, 77.00587
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 - map label SWD_v1_19868 \(13.9 m\)](#)

[H3: nearest mapped stormwater line - map label SWD_v1_19868 \(13.9 m\)](#)

[H3: nearest mapped sewage line - Newly Added by JEs \(10.6 m\)](#)

[H3: possible roadside connection route](#)

[H3: open/green receptor or park \(933 m\)](#)

[H3: MCG park - Rajindra Park; ward 34 \(156 m\)](#)

[H3: MCG pond - Daultabad Pond \(Daultabad to Dhanwapur road\) \(1,031 m\)](#)

[H3: MCG green-belt lowering area - Proposed \(396 m\)](#)

[H3: rainwater-harvesting/recharge point - Chowk in Rajendra Park \(recorded as functional\) \(34.2 m\)](#)

[H3: groundwater recharge screening area \(441 m\)](#)

[H3: nearest STP/treatment point - SARAI ALAWARDI; capacity 1.00 MLD \(1,276 m\)](#)

[H3: nearest manhole/inlet \(24.1 m\)](#)

Scan QR code to open this hotspot on phone maps.



Hotspot Action Card

Go to	28.49280, 77.00587
Water concern	maximum modelled depth 0.15 m; average within 50 m 0.15 m; water remains above 15 cm for 19 min.
Nearest stormwater drain	map label SWD_v1_19868 (storm) near Near Vishkarma Mandir, Rajendra Park is 13.9 m away. The mapped roadside option is 14.1 m long and is not yet field-approved.

Roadside connection checks	Mapped roadside option: approximately 14.1 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 10.5 m and 3.60 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 10.6 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 SWD_v1_19868 (storm) near Near Vishkarma Mandir, Rajendra Park (13.9 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 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	m ³	Not available at point scale; use depth and timing for field action	July 2025 rain
Time water remains above 15 cm	minutes	19	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	0.15 m	July 2025 rain
Average depth within 50 m	m	0.15 m	July 2025 rain
Maximum modelled flow speed	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: map label SWD_v1_19868 (storm) near Near Vishkarma Mandir, Rajendra Park is about 13.9 m away and the mapped roadside option is about 14.1 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 10.6 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 14.1 m of roadside connection to map label SWD_v1_19868 (storm) near Near Vishkarma Mandir, Rajendra Park, which is 13.9 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 SWD_v1_19868 (storm) near Near Vishkarma Mandir, Rajendra Park. 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	No mapped pump is shown near H3. If water remains after inlet clearing, use a temporary pump only toward map label SWD_v1_19868 (storm) near Near Vishkarma Mandir, Rajendra Park (13.9 m) or a verified open/green area; do not use the nearby sewage line (10.6 m from H3) as discharge.	Confirm at site
2	Alternate discharge check for H3	Do not discharge to the nearby sewage line (10.6 m from H3); check safe storm drain/open area after checking route to map label SWD_v1_19868 (storm) near Near Vishkarma Mandir, Rajendra Park (13.9 m).	Use only if site access and discharge permission are clear for H3.
3	Gravity route to map label SWD_v1_19868 (storm) near Near Vishkarma Mandir, Rajendra Park (13.9 m)	Use gravity only if water from H3 can visibly enter map label SWD_v1_19868 (storm) near Near Vishkarma Mandir, Rajendra Park (13.9 m) after inlet and drain-level check.	No pump needed only if flow into map label SWD_v1_19868 (storm) near Near Vishkarma Mandir, Rajendra Park (13.9 m) is confirmed at site.

e. New Drain or Inlet Decision

For H3, check reported waterlogging point, nearby inlet condition and drain continuity. H3: survey the mapped 14.1 m roadside option to map label SWD_v1_19868 (storm) near Near Vishkarma Mandir, Rajendra Park, which is 13.9 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 H3

Site check	Yes	No	Notes
Waterlogging seen at this pin	☐	☐	H3: 28.49280, 77.00587
Nearest drain/trunk visible	☐	☐	map label SWD_v1_19868 (storm) near Near Vishkarma Mandir, Rajendra Park (13.9 m)
Roadside connection route surveyed	☐	☐	Mapped roadside option: approximately 14.1 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 10.5 m and 3.60 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 map label SWD_v1_19868 (storm) near Near Vishkarma Mandir, Rajendra Park (13.9 m).
Sewage manhole overflow checked	☐	☐	MCG sewage line is about 10.6 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 SWD_v1_19868 (storm) near Near Vishkarma Mandir, Rajendra Park (13.9 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 H3.
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 H3

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 SWD_v1_19868 (storm) near Near Vishkarma Mandir, Rajendra Park (13.9 m) if silt/choking is seen.
Survey a new roadside connection	[]	H3: survey the mapped 14.1 m roadside option to map label SWD_v1_19868 (storm) near Near Vishkarma Mandir, Rajendra Park, which is 13.9 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 SWD_v1_19868 (storm) near Near Vishkarma Mandir, Rajendra Park (13.9 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.