

SLIDE 1



IIT Kanpur Report

**Ground Penetrating Radar (GPR) investigations at the ancient site  
Kampil, Farukhabad (Dist)**

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**Figure 1:** Field photograph at Kampil showing data collection using Ground Penetrating Radar setup Consisting of 200 MHz antenna, odometer, fiber optic cable and control unit.

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**Figure 3:** Field photograph of site-1 showing the location of 3D grid collected and also ruins of the stupa existed in the site. Also the construction of Jain temple is going on at the site located behind the survey site

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#### Investigation of 2 Sites

The reflections from both the sites suggest different patterns thereby suggesting presence of varied structures beneath.

**Site-1(near old Kushan period Mandir, now Svetambar Jain Mandir)** revealed reflections that could be

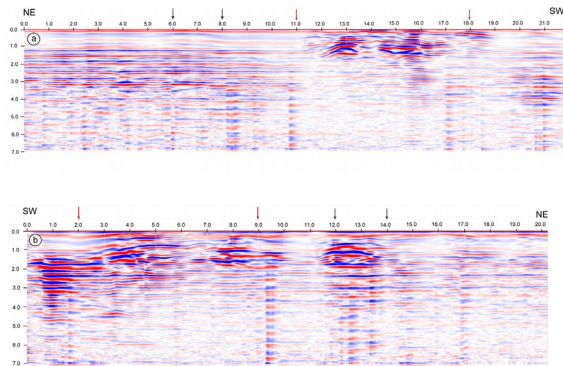
- (a) debris of ruined bastion,
  - (b) walkway provided towards the stupa
  - (c) presence of linear waterway.
  - (d) Cylindrical object or wall related structure to the left of profile.
  - (e) walkway towards an entry near the bastion.
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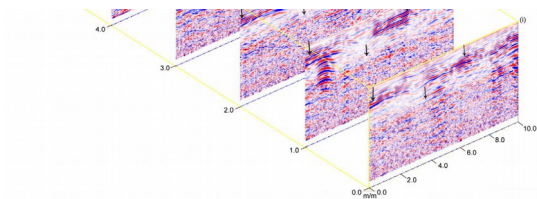
**Figure 4:** Field photograph of site-2 showing the location of 3D grid collected at the site. The survey site was used as public gathering place and shows no archaeological significance.

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**Figure 6:** a) 2D profile collected in NE-SW direction at RamleelaMaidan which illustrates the feature between 6-18 m in total profile of 21 m. Feature indicated in black arrows at 6-8 m is very vague and cannot be noticed properly. But the feature indicated in red arrow at 11-18 m shows the high reflections which may suggest the traces to be of wall structure. b) 2D profile collected in SW-NE direction adjacent to the profile shown in (a). The feature can be seen in between 2 - 14 m from total length of profile of 20 m. Feature shown in red arrow at 2-9 m replicates the reflections of 11-18 m in the profile shown in (a) there by suggesting the traces to be of wall structure. Feature shown in black arrows at 12 -14 m is so prominent unlike the reflections at 6-8 m in profile shown in (a) suggesting the traces to be of a cylindrical object.

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Grid-A showing six slices (i-vi) whose reflections are continuous to the depth of 5 m approximately. Slices from (i)-(iii) shows a peculiar pattern of reflections suggesting the patterns to be compacted surfaces that are converging towards each other. Slices from (iv)-(v) shows high contrast reflections extending throughout the width of the slice suggesting the pattern to be debris. The slices (iii) & (iv) shows a prominent hyperbola at 0-2 m which are continuous to the depth of 4 m which could be suggestive of a structure present beneath the compacted surface. This structure could be a cylindrical object or a wall base or a stone paved street.

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**Site-2(near Ramleela ground)** revealed the reflections could be of an isolated cylindrical

object and deserted wall structures

As the surveyed area is in small pockets and not interconnected, detailed interpretations cannot be made and no connectivity can be established between two sites.

**It can be said that the both sites can be excavated for interesting findings at the locations.**