



ACEGrid® for the Project of Guru Tegh Bahadur Memorial

Location: New Delhi, India

Application: Mechanically Stabilized Earth Wall

Problem :

The National Capital Region (NCR) board has prepared "Regional Plan 2021" for overall development of NCR region. As a pioneering step to achieve the identified goal to beautify the entry points as a memorial at Singhu border. The memorial dedicated to Guru Teg Bahadur, the ninth Guru. The memorial has a 24 meters high central pylon bearing semblance to the Nishan Sahib. However, the project has most significant technological feature in form of the application of mechanically stabilized soil technique for outer embankment of the memorial as a landscape and as well as an architectural enhancement.



Solution :

The outer of the memorial is mainly a embankment consisted of a 4 to 5 meters height reinforced wall with square panels facia and a maximum height to 6 meters ACEGrid® reinforced slope with the facing element of light rebar mesh. The vine popularly called "curtain creeper" was also selected as its gives rich array of perennial green foliage. The innovation at this memorial represents the evolution of the art of ACEGrid® reinforced structure technology in to the area of landscaping and aesthetics structures.