



BEM Approved CPD Hours : 3
Ref. No. : IEM26/HQ/153/V

TECHNICAL VISIT TO ADVANCED JACKING PIPE SYSTEMS AND MANUFACTURING TECHNOLOGY BY G-CAST CONCRETE INTRODUCTION

To support trenchless infrastructure development and minimize surface disruption in congested urban areas, G-Cast Concrete Sdn Bhd specializes in the manufacturing of precast solutions for pipe jacking applications. Pipe jacking enables the installation of underground pipelines by hydraulically pushing prefabricated pipes through the ground without extensive surface excavation.

G-Cast offers a range of jacking pipe systems designed to meet various site conditions and engineering requirements. These include concrete-clad mild steel cement lined jacking pipes, which provide enhanced structural strength and high load-bearing capacity, as well as curve drive pipes that accommodate alignment deviations and allow installation around underground obstructions.

G-Cast's capability is demonstrated through both local and international projects, including:

- Kota Setar, Kedah (Package A & C)
- IWK Section 26, Shah Alam
- MMC Langat
- D56 Jinjang Kepong
- Papan 1, Perak
- Tampin, Negeri Sembilan

Internationally, G-Cast has supplied jacking pipes to projects in Manila (Philippines), Singapore, and Sri Lanka, showcasing its capability to meet diverse technical requirements and standards.

The technical visit will cover the manufacturing process, including reinforcement, casting, curing, and QA/QC practices, as well as key engineering considerations such as load capacity, joint performance, lining applications, and challenges in pipe jacking operations with corresponding solutions.

Information to Note

- The visit is strictly limited to **30 participants** registered on a first-come, first-served basis or once the visit reaches its limit number of participants. No additional participants or late registration shall be entertained.
- Interested participants are to register and pay online at www.myiem.org.my or register by returning the appended registration form before 8 May 2026 together with the payment or earliest once the registration is closed.
- Interested participants are required to register and make payment online via www.myiem.org.my.



Tuesday,
12 May 2026



Time
09:00 am – 1:00 pm



Coach will be provided
(Assemble at Wisma IEM, PJ by 8:00 am)



FEE FOR REGISTRATION
(INCLUSIVE 8% SST)

IEM MEMBER : RM50

NON-IEM MEMBER : RM70

"IEM reserve the right to alter or cancel the programme due to unforeseen circumstances at its discretion. For attending participants who choose to walk in without prior registration, IEM shall not be responsible for any direct or consequential losses"

Itinerary of the visit

08.00am : Registration of Participants at Wisma IEM
08.50am : Arrival at G-Cast Factory, Rawang
09.00am : Safety Briefing & Factory Tour
11.30am : Q&A
12:00pm : End of visit and depart back to IEM
01:00pm : Arrive at IEM

ATTENTION

SAFETY REMINDER : Participants shall be well-equipped with their own PPE equipment, i.e. safety helmet, safety vest and safety boots in order to be allowed access into the site.