



JABATAN KERJA RAYA
CAWANGAN KEJURUTERAAN AWAM & STRUKTUR

Sijil Penghargaan

Dengan ini merakamkan ucapan setinggi-tinggi penghargaan dan terima kasih kepada

HC PRECAST SYSTEM SDN BHD


di atas kerjasama bagi menjayakan

LAWATAN TEKNIKAL KE KILANG PEMBEKAL
SISTEM KONKRIT PRA-TUANG

pada

8 Disember 2016




Kamaluddin Bin Haji Abdul Rashid
Pengarah Kanan
Cawangan Kejuruteraan Awam & Struktur
Ibu Pejabat JKR Malaysia

Presentation at Show Unit : IBS Sequence of Work



Production Sequence



In-house Engineering & Accessories Fabrication



Precast Staircase Mould Installation & Dismantle Demo : 5 Minutes



Precast Shear Key Beam One Cast with In-situ Column



Model of Load Bearing & Non-load Bearing Wall



Training Unit Inspection (Without Waterproofing , Roof Covering & Finishing – 9 Years)



Half Slab , Conduits & Wet Joint Modular Mould



Question & Answer after Visiting Production, Engineering, Fabrication & Training Unit



WELCOME

JKR

**Cawangan Kejuruteraan Awam & Struktur,
Bahagian Pembangunan & Penyelidikan,
Tingkat 19, Blok G
Jalan Sultan Salahuddin
50480, Kuala Lumpur.**

Visit To IBS Factory

IBS Superstructure In Malaysia 3 in 1

- 08 Dec 2016 -

Terima kasih di atas penerimaan lawatan ini. Sepertimana yang pihak puan sedia maklum, lawatan ini bertujuan untuk mencari maklumat mengenai spesifikasi *Inspection & Testing Plan (ITP)* yang digunakan oleh pihak pembekal PRECAST. Oleh itu, besarlah harapan kami sekiranya pihak puan dapat menyalurkan maklumat atau perkara yang berkaitan kepada pihak kami antaranya:

1. QAQC Plan (consist of ITP, Work Procedure & Inspection Form)
2. One sample of Quality/QAQC Report (monthly/quarterly etc)
3. References document that specified in ITP (specification, guidelines etc)

All item above covers all process in constructing building using precast item (manufacture, Storage, Handling and Transport, Assembly & Erection & connection)

Kerjasama dan jasa baik pihak puan amatlah saya hargai dan diucapkan ribuan terima kasih.

Sekian, terima kasih.

“BERKHIDMAT UNTUK NEGARA”

Saya yang menurut perintah,

NORFARIZA BINTI ISMAIL

Penolong Pengarah,

Cawangan Kejuruteraan Awam & Struktur,

Bahagian Pembangunan & Penyelidikan,

Tingkat 19, Blok G

Jalan Sultan Salahuddin

50480, Kuala Lumpur.

Tel : 03-2618 9311



JABATAN KERJA RAYA MALAYSIA

CAWANGAN KEJURUTERAAN AWAM
DAN STRUKTUR
TINGKAT 4-10, BLOK G
IBU PEJABAT JKR MALAYSIA,
NO. 6, JALAN SULTAN SALAHUDDIN
50480 KUALA LUMPUR.

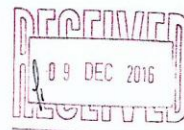
Telefon : 03-2618 9171
Teleks : KRT MA 30415
Kawat : MINWORK, KUALA LUMPUR
Faks : 03 2618 9155
Laman web : <https://www.jkr.gov.my>



Ruj. Kami : Bil. (45) dlm. JKR.CKAS/11/800/020 Jld.2
Tarikh : 5 Disember 2016



HC PRECAST SYSTEM SDN. BHD.
No. 23, Jalan Seri Sarawak 20B/KS2
Taman Seri Andalas
41200 Klang
SELANGOR DARUL EHSAN
(u.p.: Dato' Fadzil Bin Ahmad)



Tuan,

Permohonan Lawatan Ke Kilang Konkrit Pra-Tuang (Precast Concrete)

Dengan segala hormatnya saya merujuk kepada perkara di atas dan percakapan telefon di antara pegawai tuan, Cik Idania dan pegawai pejabat ini, Pn Norfariza Binti Ismail pada 05 Disember 2016 adalah berkaitan.

2. Adalah dimaklumkan bahawa pejabat ini ingin membuat lawatan ke kilang tuan pada ketetapan seperti berikut:

Tarikh : 08hb Disember 2016 (Khamis)

Masa : 10.00am

3. Untuk makluman pihak tuan, pejabat ini sedang membangunkan spesifikasi kerja pembinaan berkaitan konkrit pra-tuang. Oleh yang demikian, lawatan ini bertujuan bagi mendapatkan maklumat berkaitan proses pembinaan pra-tuang yang dijalankan oleh pihak tuan. Pejabat ini memohon kerjasama pihak tuan agar dapat memberi maklumat dan penerangan berkaitan sistem yang digunakan.

4. Bersama-sama ini dilampirkan nama pegawai yang akan terlibat di dalam lawatan ini sebagai rujukan pihak tuan. Kerjasama pihak tuan adalah amat diharapkan dan didahului dengan ucapan terima kasih.

Sekian, terima kasih.

"BERKHIDMAT UNTUK NEGARA"

Saya yang menurut perintah,

(Ir. NOREHA BINTI NORDIN)
Ketua Penolong Pengarah
Bahagian Pembangunan Dan Penyelidikan
Cawangan Kejuruteraan Awam Dan Struktur



LAMPIRAN A

NO	NAMA PEGAWAI
1	Wan Rizana Bt. Wan Muhammad
2	Nor Elina Bt. Naha
3	Durrah Munierahhanies Bt. Azizan
4	Ir. Zul Amri Bin Abu Bakar
5	Norfariza Bt. Ismail



NO. (001) TEL. (603) 2311 1111 FAX. (603) 2311 1111



BSR ISO 9001 CERT. NO. 081801408

Macro Economy & Green

- 1. One of the way to improve the Outflow of Currency is the utilization of Industrial Building System (IBS).**
“ IBS is a system which suit all architectural demands & not a machine or component “
- 2. If we talk about lowering house prices, what is the best way to do it? The best way is to build houses faster and cheaper. One of the ways is by using Industrial Building Systems (IBS).**
- 3. The low usage of IBS in Malaysia is due to the lack of enforcement besides other shortcoming of IBS adoption. If independent enforcement is based on the contracts awards, the usage of IBS will higher.**
- 4. Industrialised Building System is a system not a machine or component. Responsibility of the building should not have many different mix system and manufacture products.**
- 5. Q-Lassic or Conquas should be carried-out upon the completion of the superstructure works (frame & wall) instead of upon of completion finishing work.**
- 6. System provider and manufacturer should provided installer of the building precast element. Same concept applies when we buy computer and hardware.**
- 7. IBS Superstructure In Malaysia 3 in 1: HC PRECAST SYSTEM.**
 - Load Bearing Wall + Modular Shear Keys Wet Joint + Box System.**
 - Speed, Quality & Environment.**
 - Precast Element (off site) 80%**
 - Wet Work (on site) 20%**

PROPOSE TO GOVERNMENT & PRIVATE DEVELOPER

Invite industrialized building system provider with manufacturing facility (flexibility to suit all architectural demands) to participate to build the show unit with work below and superstructure without finishing for the Government & Private Developer to identify the system in terms of quality, speed and environment for supply in its development.

1. Architect

- **Appointed by the Government & Private Developer.**
- **Design of single storey bungalow of 1,000 ft² (affordable home), up to superstructure without finishing.**
- **With M&E requirement.**
- **Wall finishing with plaster or skim coat only.**
- **Door and window frame included except door leaf.**
- **Ground floor without tiling.**

2. Industrialized building system manufacturer have formed their BQ for superstructure (in terms of wall area) and to submit work program with sequence of work for record purposes.

3. Proper record by the Government & Private representative during construction, in terms of labour and machinery involved per day up to completion (superstructure only).

4. Conquas or QLassic consultant (2) engaged by the Government & Private Developer.

5. Cost Comparison for each Industrialized Building System Manufacturer by the Government & Private Developer (for superstructure only). Cost will be fixed for the selected manufacturer and supply to its development.

THANK YOU
DESIGN BY YOU
PRODUCE BY HC