

**REFERENCE LIST**  
**BEAM LAUNCHER (BL), PRECAST MOULDS (PCM) & OTHER RELATED EQUIPMENT**  
**For Precast Beam Bridges**

Update : August 2016

Country/Bridge project	Client	Main features	Delivery
<b>PRECAST MOULD (PCM)</b>			
<b>Kuwait</b>			
Jahra Road Project	Arab Contractors	Precast Segment Mould Four Bridges (Double Bridges) 1. Jahra Main Road (Main Bridge) 7260m, 2. Hospital Road (Cross Road) 611m 3. Ghazali Street (Cross Road) 734m. 4. Airport Road (Cross Road) 991m Cross fall: Varies Max = 5.2% Typical 2.0%, Longitudinal slope: 5.16%, Min. Horizontal Radius: 190m, Max. with of superstructure: 13,60m based on segment type C, Max. width of segment: 5,00m base on segment type E, Max. height of segment:5,868m. base on segment type E, Max. length of segment: 3,30m, Wt. of segment (Max.): 100 tons, base on segment E10	2012 - 2015
<b>AUSTRALIA</b>			
North West Rail Link	Salini Impregilo	Precast Segment Mould Type of superstructure : P.S.C. Box –Girder, Length of segment : 2.395- 3.114 m., Bridge type : Approach Viaduct and Cable-stayed Bridge, Outer shape type : 1 type, Inner shape type : 6 types, Typical segment (T1 and T2) of Approach Viaduct, Deviator segment (D1) of Approach Viaduct, E.J. segment (P1) of Approach Viaduct, Typical segment (T1, T1S, T2, T2S, T3, T3S, T4, T4S and T5) of Cable Stayed Bridge, Deviator segment (D1.1, D1.2, D2.1, D2.2, D3.1, D4.2, D5, D6.1 D6.2, D7.1, D7.2, D8.1, D8.2 and D9) of Cable Stayed Bridge, E.J. segment (P) of Cable Stayed Bridge, Minimum length of mould : 3.40 m.	2015
<b>PHILIPPINES</b>			
MNTC-Harbor Link S10 Manila	Leighton Contractors Asia Ltd.	I-GIRDER MOULD Type of superstructure : P.S.C. I-Girder, Length of segment : 37.0 – 40.5 m., Bridge type : Approach Viaduct Mould set-up type : 8 types, Minimum length of mould : 41 m.	2014 - 2015