

CALCULATION FOR IBS SCORE

For office use
Project Registration No:
Project Category:

Project Name:	Contract Value:
Contractor Name:	Developer / Owner Name:
Architecture Consultant	Civil/Structure Engineer Consultant Name:
List of Submitted Drawings 1) _____ 2) _____ 3) _____ 4) _____ 5) _____ 6) _____ 7) _____ 8) _____ 9) _____ 10) _____	

We hereby declare that the information given and the IBS Score submitted herewith is true and complete.

The total **IBS Score** for the proposed building / project is _____

Date: _____

Name & Signature of Qualified Person

Designation:

Reg No. (Arch/PE/QS): _____

CALCULATIONS OF OVERALL IBS SCORE

PROJECT DETAILS

Project Name : _____

Type/Block No : _____ Total no of Units/blocks: _____

Contract Value: _____

Category of Building

Residential (landed) Industrial Commercial
 Residential (high rise) Institutional Others _____

For mixed development, please indicate the area of the category:

Residential (landed) _____ m² Industrial _____ m²

Residential (high rise) _____ m² Institutional _____ m²

Commercial _____ m² Others _____ m²

CALCULATION OF IBS SCORE

PART 1: STRUCTURAL SYSTEMS

ELEMENTS	AREA (m ²)	IBS FACTOR	COVERAGE %	IBS CONTENT SCORE
1.0 CONCRETE				
1.1 FLOOR = PRECAST CONCRETE SLAB				
a) Precast column and beams		1.0		
b) Precast column and in-situ beams with reusable formwork		0.9		
c) Precast column and in-situ beams with timber formwork		0.8		
d) Precast beams and in-situ columns with reusable formworks		0.9		
e) Precast beams and in-situ column with timber formwork		0.8		
f) In-situ column and beams with reusable system formwork		0.7		
g) In-situ column and beams with stick build formwork		0.6		

ELEMENTS	AREA (m ²) (a)	IBS FACTOR	COVERAGE %	IBS CONTENT SCORE
1.2 FLOOR = IN-SITU CONCRETE ON PERMANENT METAL FORMWORK				
a) Precast column and beams		0.9		
b) Precast column and in-situ beams with reusable formwork		0.8		
c) Precast column and in-situ beams with timber formwork		0.7		
d) Precast beams and in-situ columns with reusable formworks		0.8		
e) Precast beams and in-situ column with timber formwork		0.7		
f) In-situ column and beams with reusable system formwork		0.6		
g) In-situ column and beams with stick build formwork		0.5		
1.3 FLOOR = IN-SITU CONCRETE WITH REUSABLE SYSTEM FORMWORK				
a) Precast column and beams		0.7		
b) Precast column and in-situ beams with reusable formwork		0.6		
c) Precast column and in-situ beams with timber formwork		0.5		
d) Precast beams and in-situ columns with reusable formworks		0.6		
e) Precast beams and in-situ column with timber formwork		0.5		
f) In-situ column and beams with reusable system formwork		0.5		
g) In-situ column and beams with stick build formwork		0.3		
1.4 FLOOR = IN-SITU CONCRETE USING TIMBER FORMWORK				
a) Precast column and beams		0.6		
b) Precast column and in-situ beams with reusable formwork		0.5		
c) Precast column and in-situ beams with timber formwork		0.4		
d) Precast beams and in-situ columns with reusable formworks		0.5		
e) Precast beams and in-situ column with timber formwork		0.4		
f) In-situ column and beams with reusable system formwork		0.3		
g) In-situ column and beams with stick build formwork		0.0		

ELEMENTS	AREA (m ²) (a)	IBS FACTOR	COVERAGE %	IBS CONTENT SCORE
1.5 FLOOR = STEEL FLOORING SYSTEM				
a) Precast column and beams		1.0		
b) Precast column and in-situ beams with reusable formwork		0.9		
c) Precast column and in-situ beams with timber formwork		0.8		
d) Precast beams and in-situ columns with reusable formworks		0.9		
e) Precast beams and in-situ column with timber formwork		0.8		
f) In-situ column and beams with reusable system formwork		0.7		
g) In-situ column and beams with stick build formwork		0.6		
1.6 FLOOR = TIMBER FRAME FLOORING SYSTEM				
a) Precast column and beams		1.0		
b) Precast column and in-situ beams with reusable formwork		0.9		
c) Precast column and in-situ beams with timber formwork		0.8		
d) Precast beams and in-situ columns with reusable formworks		0.9		
e) Precast beams and in-situ column with timber formwork		0.8		
f) In-situ column and beams with reusable system formwork		0.7		
g) In-situ column and beams with stick build formwork		0.6		
1.7 NO FLOOR				
a) Precast column and beams		1.0		
b) Precast column and in-situ beams with reusable formwork		0.6		
c) Precast column and in-situ beams with timber formwork		0.4		
d) Precast beams and in-situ columns with reusable formworks		0.6		
e) Precast beams and in-situ column with timber formwork		0.4		
f) In-situ column and beams with reusable system formwork		0.5		
g) In-situ column and beams with stick build formwork		0.0		

2.0	STEEL			
2.1	COLUMNS AND BEAM = STEEL			
a)	Floor using precast concrete slab		1.0	
b)	Floor using in-situ concrete on permanent metal formwork		0.9	
c)	Floor using in-situ concrete with reusable system formwork		0.7	
d)	Floor using in-situ concrete with stick built formwork		0.6	
d)	Floor using steel flooring system		1.0	
e)	Floor using timber frame flooring system		1.0	
f)	No floor		1.0	
3.0	TIMBER FRAME SYSTEM		1.0	
4.0	ROOF SYSTEM		1.0	
a)	Prefab timber roof truss		1.0	
b)	Prefab metal roof truss			
c)	Timber roof truss		0.9	
TOTAL AREA				100%
Sub-total for structural system (maximum 50 points) (A)				

PART 2: WALL SYSTEMS

ELEMENTS	Length (m)	IBS FACTOR	COVERAGE %	IBS CONTENT SCORE
a) Precast concrete panel		1		
b) Metal cladding		1.0		
c) Prefabricated timber panel		1.0		
d) Glass panel		1.0		
e) Dry wall system		1.0		
f) In-situ concrete with reusable system formwork		0.5		
g) In-situ concrete with stick built formwork		0.0		
h) Precision precast block		0.5		
i) Common brickwall		0.0		
TOTAL AREA			100%	
Sub-total for wall system (maximum 30 points) (B)				

PART 3: OTHER SIMPLIFIED CONSTRUCTION SOLUTIONS

ELEMENTS	UNIT	USAGE		% USAGE FOR THIS PROJECT	IBS SCORE
		50% ≤ X < 75%	75% ≤ X ≤ 100%		
1.0 Utilisation of standardised components based on MS 1064					
a) Beams	Nos	1	2		
b) Columns	Nos	1	2		
c) Walls		0.5	1		
d) Slabs		0.5	1		
c) Doors	Nos	1	2		
d) Windows	Nos	1	2		
2.0 Repetition of structural layout					
a) For building of floor more than 2 storeys					
i) Repetition of floor to floor height	storey	1	2		
ii) Vertical repetition of structural floor layout	m ²	1	3		
b) For building 1 or 2 storeys					
i) Horizontal repetition of structural floor layout	m ²	2	5		
3.0 Other Prefabricated Components and Labour Saving Solutions					
i) Prefab Toilet Units	Nos	0.5	1		
ii) Prefab Staircases	Nos	0.5	1		
iii) Prefab Lift-Shafts	Nos	0.5	1		
iv) Spray Plaster	m ²	0.5	1		
v) Other Labour Saving Product/ Solution	Nos or m ²	0.5	1		
Sub-total for other simplified construction solutions (maximum 20 points) (C)					
TOTAL (maximum 100 points) (A + B + C)					

