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) _____ m^2 Industrial _____ m^2

Residential (high rise) _____ m^2 Institutional _____ m^2

Commercial _____ m^2 Others _____ m^2

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 timber formwork		0.6		
h) Load bearing blockwork		0.8		
i) Steel column and beam		1.0		

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 timber formwork		0.5		
h) Load bearing blockwork		0.7		
i) Steel column and beam		0.9		
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 timber formwork		0.3		
h) Load bearing blockwork		0.6		
i) Steel column and beam		0.7		

ELEMENTS	AREA (m^2) (a)	IBS FACTOR	COVERAGE %	IBS CONTENT SCORE
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 timber formwork		0.0		
h) Load bearing blockwork		0.5		
i) Steel column and beam		0.6		
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 timber formwork		0.6		
h) Load bearing blockwork		0.8		
i) Steel column and beam		1.0		

ELEMENTS	AREA (m^2) (a)	IBS FACTOR	COVERAGE %	IBS CONTENT SCORE
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 timber formwork		0.6		
h) Load bearing blockwork		0.8		
i) Steel column and beam		1.0		
1.7 NO FLOOR				
a) Precast column and beams		1.0		
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 timber formwork		0.0		
h) Load bearing blockwork		0.7		
i) Steel column and beam		1.0		
2.0 ROOF SYSTEM				
a) Prefab timber roof truss		1.0		
b) Prefab metal roof truss		1.0		
c) Precut metal roof truss		0.5		
d) Timber roof truss		0.0		
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		1.0		
b) Wall cladding		1.0		
c) Prefabricated timber panel		1.0		
d) Full height 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 timber formwork		0.0		
h) Blockwork system		0.5		
i) Pre-assemble brickwall/blockwall		1.0		
j) Common brickwall		0.0		
TOTAL AREA			100%	
Sub-total for wall system (maximum 20 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	2	4		
b) Columns	Nos	2	4		
c) Walls	m	2	4		
d) Slabs	m2	2	4		
c) Doors	Nos	2	4		
d) Windows	Nos	2	4		
2.0 Repetition of structural layout					
a) For building of floor more than 2 storeys					
i) Repetition of floor to floor height	Nos	1	2		
ii) Vertical repetition of structural floor layout	Nos	1	2		
iii)Horizontal repetition of structural floor layout	Nos	1	2		
b) For building 1 or 2 storeys					
i)Horizontal repetition of structural floor layout	Nos	3	6		
Sub-total for other simplified construction solutions (maximum 30 points) (C)					
TOTAL (maximum 100 points) (A + B + C)					

SUMMARY SHEET (Multiple Building Project)

BLOCK NAME	AREA (m^2)	COVERAGE AREA (%)	IBS SCORE OF BUILDING	IBS SCORE OF PROJECT
TOTAL				

TOTAL IBS SCORE FOR THIS PROJECT = ________________