Annex 14

Compiled Comments received on Wide circulation drafts of IS 6461 (Part 1 to 12)

Sl No.	Name of the commentator	Abbreviation used
1.	Dr Vineet Bajaj, Vice President (Technical Services), NS Arcus	NSA
2.	Shri Prashant N, In Personal Capacity	PN
3.	Dr Sahil Bansal, IIT Delhi	SB

Sl No.	Commentator	IS No.	Clause/Subclause/Para No.	Comments/Suggestions	Modified wording of the clause	Justification for the proposed changes	Recommendations of the Committee
1	NSA	6461 (Part 1)	2.9	Aggregate of high specific gravity	Aggregate of high specific gravity (Range of specific gravity)	It will bring more clarity to the readers i.e. beyond what value of s.g. an aggregate will be designated as heavy weight aggregate.	
2	NSA	6461 (Part 1)	2.10	Aggregate of low bulk specific gravity	Aggregate of low specific gravity (Range of specific gravity)	It will bring more clarity to the readers i.e. beyond what value of s.g. an aggregate will be designated as low weight aggregate.	
3	PN	6461 (Part 1)	2.56 Silt	47 micron to be replaced with 75 micron	75 micron		
4	NSA	6461 (Part 3)	3.37	Repeated or alternating loads	Uniform or non-uniform repeated or cyclic or alternating loads	This may help in bringing more clarity to the readers.	
5	NSA	6461 (Part 3)	3.42	Two or more directions, generally without beams or girders.	Two or more directions. It may be with or without drops or in some cases with or without column	Aligned with IS 456: 2000 definition of flat slab.	

					heads, generally without beams or girders		
6	PN	6461 (Part 4)	3.144	Green Concrete : Hardened concrete that has gained only a small proportion of its final strength to be replaced by Hardened concrete that has gained initial setting time of concrete	initial setting time of concrete		
7	PN	6461 (Part 4)	3.125 Vaccum concrete	Term Vaccum Concrete to be replaced by Vaccum Dewatered Concrete	Vaccum Dewatered Concrete		
8	PN	6461 (Part 4)	3.87 Plain concrete	Concrete with Reinforcement to be replaced by Concrete with or without nominal reinforcement	Concrete with or without Nominal Reinforcement		
9	SB	6461 (Part 4)	3.145 High Performanc e Concrete	As per IRC112 Table 6.4. High Performacne Concrete is defined for concrete of characteristic strength upto 90	Concrete whose ingredients, proportions and production methods are specifically chosen to meet special performance		

				MPa. The proposed defination should be consistent with IRC112 or any other relevant code. For characteristic strength 100 and above, usually the term "Ultra High Perfoamce Concrete" is used in the liteature.	and uniformity requirements; the specified characteristic strength is usually upto 100 MPa.		
10	PN	6461 (Part 5)	General	Aluminium formwork related terms to be added.	Details to be added.		
11	PN	6461 (Part 5)	2.217 Plank	50 to 100 mm thick and 280 mm or over wide to be replaced by 35mm to 50mm thick and 230 mm or over wide.	35mm to 50mm thick and 230 mm or over wide.		
12	PN	6461 (Part 7)	2.259 Punning	Term Punning to be more explanatory.	Punning : It is the process of application of thin coating of slurry or mortar to vertical walls/ceiling.		
13	PN	6461 (Part 7)	2.199 Joint sealant	Materials used to exclude water and	Flexible Materials used to avoid ingress		

				solid foreign materials from Joints to be replaced by Flexible Materials used to avoid ingress of water and other foreign materials from the Joints.	of water and other foreign materials from the Joints.		
14	PN	6461 (Part 7)	2.194 Honeycomb	Failure of the mortar to be replaced by loss of cement slurry.	loss of cement slurry		
15	PN	6461 (Part 7)	2.162 Expansion Joint	Separation size to be specified such as upto 25mm.	A separation (upto 25mm width)		
16	PN	6461 (Part 8)	3.93 Grade of concrete	28 days to be replaced by 28 days/56 days.	28 days/ 56 days.		
17	PN	6461 (Part 8)	3.67 Slump	Nearest 6 mm to be replaced by nearest 5 mm.	Nearest 5 mm.		
18	PN	6461 (Part 8)	3.34 Entrapped air	Air voids in concrete which are not purposely entrained OR Air voids in concrete occurred during mixing / batching of concrete.	Air voids in concrete occurred during mixing / batching of concrete.		
19	PN	6461 (Part 8)	3.21 Consistency	….slump for concrete to be replaced by	slump / flow for concrete.		

				slump / flow for concrete.			
20	PN	6461 (Part 10)	3.59	Term 'Puddling' needs to be more elaborated.	Add (c) as 'Provision of Stoppers around High Grade RCC Columna / Shear Walls in case of diferential grades for RCC Columns and Slabs, which needs to be cast monolithic.'		

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