General characteristics of Silica Sand :

- Fine aggregate resulting from the natural disintegration of rock.
- Silica has closed controlled size passing between -3.55 to +600 mm IS Sieve and contains very less coarser material.
- Precise product than common concrete and asphalt gravels.
- It is hard, chemically inert and has a high melting point, attributable to the strength of the bonds between the atoms.
- Made up of Quartz and other minerals. Quartz is transparent to translucent and has a vitreous lustre.
- It's strength, silicon dioxide contribution and non-reactive properties make it an indispensable ingredient in the production of various products.
- Hard, strong. dense, durable, clear and free from veins and adherent coating.
- We provide right type and quality of fine aggregates. Our silica sand is clean particles free of absorbed chemicals, coatings of clay, and other fine materials that could affect hydration and bond of the cement paste.

Typical Chemical analysis:

	SiO2	AI203	Fe203	TiO2	CaO	MgO	Na2O	K2O	So3	LOI	SP.Gr.
Silica Sand	97.47	0.74	0.73	0.16	0.09	0.07	0.04	0.014	0.019	0.46	2.67
Ordinary River sand	86.54	3.55	0.94	0.59	0.85	0.3	0.62	1.37	0.21	0.4	3.01

Particle Size Silica Sand :

I.S. 2386: Part - 1, Clause 2.0			
Sieve Size	% Passing	% passing (As per 1.S. 383 - 2016, Table-09) Clause 63	% passing IS 1542:1992 (2003 Revised) Clause 5.1 ,2M1Rcm.) 6.-5,
		Grading	

		Zone I	Zone II	Zone III	Zone IV	Grading
10 mm	100.0	100	100	100	100	100
4.75 mm	100.0	90-100	90-100	90-100	95-100	95-100
2.36 mm	100.	60-95	75-100	85-100	95-100	95-100
1.18 mm	95.	30-70	55-90	75-100	95-100	90-100
600 micron	83.	15-34	35-59	60-79	80-100	80-100
300 micron	47.	5-20	8-80	12-40	15-50	20-65
150 micron	6.	0-10	0-10	0-10	0-15	0-15