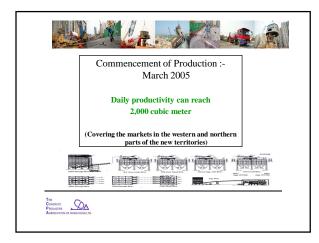
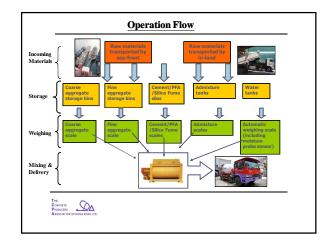


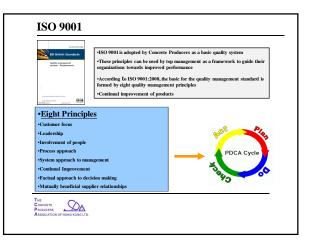
Type of material	Capacity (Tonne
Cement	450
Pulverized Fuel Ash (PFA)	150
Silica Fume	50
Aggregates	1900







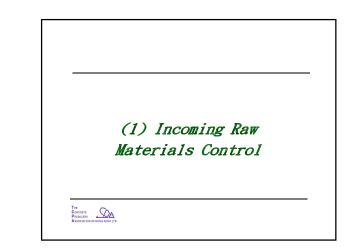






## **QSPSC Basic Requirements** Example :-Requirement (i.e.) Item Control of purchased materials Regular inspection and testing uality Concrete Mix Design Establish strength to cementitious content or w/c ratio relationship (i.e. Basic Range) Accuracy of weighting equipments Cement, PFA, aggregate and water: -within 2% of the weight in the batch Admixtures: -within 5% of the amount added to the batch Concrete quality Concrete sampling for compressive strength test at 7 and 28 days Mixer performance Compliance of AS1379 standard



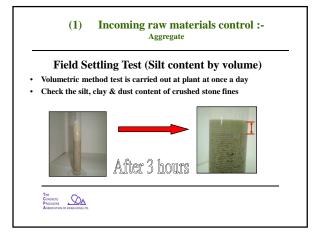






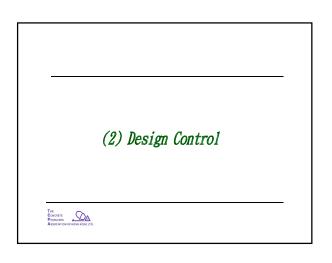


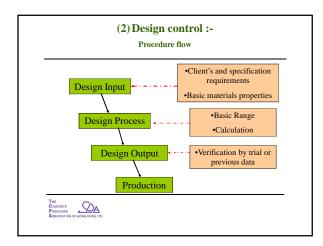


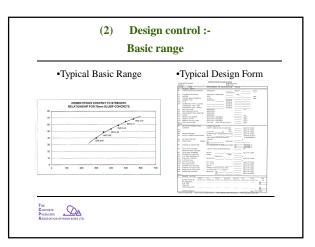






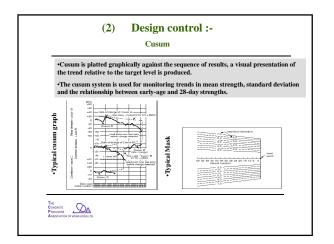


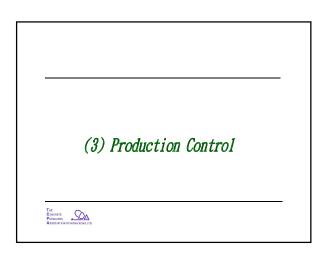




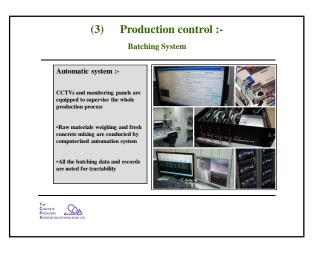


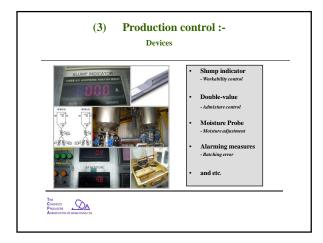
trength co	mpliance r	equirement	s for desig	nea mixes	(General S	pecification)
Specified grade	Compliance requirement	Average of any 4 consecutive test results shall exceed the specified grade strength by		Any individual test result shall not be less than the specified grade strength by more than		
		100mm Cube	150mm Cube	100mm Cube	150mm Cube	
20D and above	C1	7 MPa	5 MPa	2 MPa	3MPa	- * 📢
	C2	5 MPa	3 MPa	2 MPa	3 MPa	
Below 20D	C1 or C2	3 MPa	2 MPa	2 MPa	2 MPa	
	its, the act	e with the g wal design				



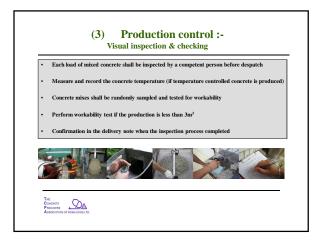
















Motorial and	l Concercto Toot	ing Sahadula Aa	conding to OS	PSC and General Spe	aifiantions
Material and	I Concrete Test	ing Schedule - Ao	corunig to QS	r oc anu General opc	cincauons
	Cement		FA		regale
Tests	Frequency		Frequency	Tests	Frequency
Chemical	once per five months	Chemical	once per five months	Grading	daily
Physcial	twice per month	Physcial	once per five months	Sit Content	daily
Basic Range	once per six months	Freness	weekly	Sulphate Content	once per two months
		Moisture Content	weekly	10% Fites Value	monthly
		_		Fakiness Index	monthly
	lica Fune	_	ater	Elongation Index	monthly
Tests	Frequency	Tests	Frequency	Relative Density & Water Absorptio	
Physical & Chemical	once per six months	Chemical	once per five months	Chloride Content	once per three months
				Bulk Density	once per four months
				Shell Content	once per five months
	dnixture		crete	Impact Value	once per five years
Tests	Frequency	Tests	Frequency	Drying Shrinkage	once per five years
Uniformity	monthly		monthly	Los Argeles Value	once per five months
Chemical	once per six months	Compressive Strength Test	darily	Magnesium Sulphate Soundness	once per five months
		(7 days & 28 days)		Mortar Bar Test	once per four months
				Aggregate Potential Reactivity	When new source of aggregate used









fiem	Calibration Frequency	liem	Calibration Frequency
Compression Testing Machine (0-3000KN)	once per six months	Air Meter	once per year
Compression Testing Machine (0-250KN)	once per year	Cylinder Mould	once per year
Balance	once per three years	Cylinder & Plunger	once per year
Oven	once per five year	Vibration Machine	once per year
Length Gauge	once per year	Laser Tachometer	once per year
Bulk Density Pot	once per year	Vicat Apparatus	once per year
Phikness Gauge	once per year	Pressure Gauge	once per five years
Pyknometer	once per year	Straight Edge	once per two years
Steel Straight Edge	once per year	Feeler Gauge	once per three years
Slump Cone	once per year	Calliper	once per three years
Curing Tank	once per two years	Try Square	once per three years
Accelerated Curing Tank	once per year	Thermohygrometer	once per three years
Curing Tank	once per two years	Water Bath	once per year
Speedy Moisture Tester	once per year	SGBottle	once per year
Speedy Mixer	once per three years	Blaine Permeability Apparatus	once per year
Sieve	once per ten years	Typical Jolting Apparatus	once per three years
Master Measuring Thermometer	once per five years	Moisture Probe	once per year
Measuring Thermometer	once per year	Platness, Squareness Parallelism	twice per year
Dual Channel Thermometer	once per five years	Prism Cabe	once per year
Master Measuring Ruler	once per three years	Methyl Ball	once per year
Vernier Calliper	once per three years	Brass Mould	once per year
Measuring Ruler	once per year	Device Measuring	once per three years
Cube Mould	twice per year	Dropping Ball Stand	once per year
Hygrometer	once per year	Standard Weight	once per year
Mixing Tray	once per year	Conical Mould	once per year
Compacting Bar	once per year	Flow Table	once per year
Tamping Rod	once per year	Brass Rod	once per year
Riffle Box	once per year	Cylindrical Container	once per year
Webe-Consistometer	once per year	Cylindrical Tamper	once per year
Standard Weight	once per year	Prism Compacting Bar	once per year

5)	Equipment Calibration and Maintenance Contr Calibration Frequency - Plant				
	Item	Calibration Frequency	-		
	Standard Weight	once per year	-		
	Measuring Thermometer	once per year			
	Speedy Moisture Tester	once per year			
	Moisture Probe	once per year			
	Plant UPS Functional Test	monthly			
	Scale Calibration (Internal)	monthly			
	Scale Calibration (External)	once per three months			
	Togenerate A				
	Processor Association of Home Kone LTD.				

