GSAS Minimum Requirements for IJARAH PLOTS at Lusail (GSAS compliance Checklist)						
SI. No.	Requirements		Inspection			
			Visual	Documentation		
Α	Energy					
1	Roof U-value	≤ 0.25 [W/(m2K)]	-	 The final cross-sectional drawing of the roof along with the U-value calculation. Approved Material Submittals for all the materials used in the Roof construction. 		
2	Wall U-value	≤ 0.3 [W/(m2K)]	The overall width of the external wall shall match the approved documents	 The final cross-sectional drawing of the external wall along with the U-value calculation. Approved Material Submittals for all the materials used in the Wall construction. 		
3	Glazing to Opaque Wall Ratio	≤ 0.35%	-	1. Approved Elevation drawings indicating the glazing to opaque ratio		
4	Glazing	≤ 2.1 [W/(m2K)] - Double Glazing- Hinged Type	The windows shall be double hinged type and double glazed.	1. The approved material submittals for the Glazing highlighting the U-value and the Shading Coefficient.		
5	Shading Coefficient	≤ 0.35	-			
	HVAC system	VRF Systems	1.2. The star rating of the Hi-Wall Split	1. Approved material submittals for the HVAC Units.		
6		 DX roof top package air conditioners 				
		 Hi-wall mounted Split units with Minimum 5 Star Energy label or above 				
		 Window-type air conditioning units are not accepted 				
7	Lighting	 Use of LED, CFL, T5 lightings or other equivalent efficient fixtures 	The installation of light fixtures.	1. Approved material submittals for the Lighting fixtures.		
8	Domestic Hot Water	Electric Wall mounted with minimum efficiency of 90%	-	1. Approved material submittals for the Heater system.		

В	Water				
1	Dual Flush Toilet	≤ 4.5 L/flush for full flush and 3 L/flush for reduced flush	Check that the WC are dual flush	Approved material submittal for the Toilet.	
2	Lavatory Faucet	≤ 4.7 L/min at an operating pressure of 3 bar	-	Approved material submittal for the Faucet.	
3	Kitchen Sink	≤ 5.0 L/min at an operating pressure of 3 bar	-	Approved material submittal for the Kitchen Sink faucet.	
4	Shower Head	≤ 8.0 L/min	-	Approved material submittal for the Showerhead.	
5	Softscape Area	≤ 20% of plot area	Actual softscape area	Approved Landscape layout drawing indicating the total softscape area.	
6	Plant Species	More than 30 % are native or adaptive	-	Approved datasheet for the Plant Species.	
7	Irrigation	Use of automatic & drip irrigation system	Installation of Drip Irrigation System.	Approved Irrigation layout drawings.	

Remark: This checklist to be signed and stamped by the Consultant supervisor