

9 Oct 2020

iNPQS SPECIFICATION – CALLS FOR PUBLIC COMMENTS (PHASE 2)

Further to our Call for Public Comments dated 8 Sept 2020, we are pleased to inform you that members of the public are now invited to comment on the Draft Specifications (Phase 2) for publication on the iNPQS platform which is scheduled to be launched to the public in November 2020. The comments will be collated and forwarded to the relevant parties for consideration into the final document.

The Phase 2 of the Draft Specifications for Public Comments comprises of the following Sections:

1. M&E (Annex 3-Phase 2)
2. General Requirements

The Draft Specifications can be accessed from the link provided below: -

Mechanical & Electrical URL link:

<http://gofile.me/4KFWQ/Tw6jGZKZH>

General Requirement

<http://gofile.me/4KFWQ/2pcXexOnz>

The closing date to submit comments for Phase 2 is **23 October 2020**.

The viewing period for the Draft Specifications will expire on the closing of the Public Comments period and will no longer be available after the above dates.

Please click on the “Submit Now” button to forward your comments for the Draft Specifications in the feedback form provided and email the feedback form to iNPQS at support@inpqs.com.

Thank you for your comments.

Submit Now

M&E Sections (Total 128 Sections)

Work Package	Classes		Section		Phase 1	Phase 2	
ELECTRICAL	E01	HT SWITCHGEARS	E01-010	HV Switchgears	√		
			E01-020	Gas Insulated Switchgears	√		
			E01-040	Protective Relays	√		
	E02	POWER TRANSFORMERS	E02-010	Dry Type Transformers	√		
			E02-020	Oil Immersed Transformers	√		
	E03	EARTHING	E03-010	Sub-Station & System Earthing		√	
			E03-020	Earthing & Bonding		√	
	E04	LV SWITCHGEAR & DISTRIBUTION BOARDS	E04-010	LV Switchgear & Controlgear Assemblies - General Requirements	√		
			E04-020	LV Switchgear & Controlgear Assemblies - Air Circuit Breakers	√		
			E04-030	LV Switchgear & Controlgear Assemblies - Moulded Case Circuit Breakers	√		
			E04-040	Measuring Relays & Protection Equipment - Protective Relays	√		
			E04-050	LV Switchgear & Controlgear Assemblies - Switches, Disconnectors & Fuse Combination Units	√		
			E04-060	Power metering and monitoring devices - Instrument & Metering	√		
			E04-070	LV Power Factors Correction Bank - Power Capacitors	√		
			E04-080	Distribution Boards using MCB & Fuses	√		
			E04-090	Overground (OG) Box	√		
			E04-100	Protective Devices	√		
	E05	GENERATORS	E05-010	Emergency Standby Generators		√	
	E06	CABLES	E06-010	High Voltage Power Cables	√		
			E06-020	Low Voltage Power Cables	√		
			E06-030	Low Voltage Wiring Cables	√		
			E06-040	Structured Cabling	√		
	E07	DRAWPITS, MANHOLES, CABLE LADDERS, CABLE TRAYS, TRUNKING & CONDUITS	E07-010	Drawpits, Manholes & Underground Cable Ducts		√	
			E07-020	Conduit		√	
			E07-030	Trunking		√	
			E07-040	Trunking (Other Types)		√	
			E07-050	Cable Tray & Ladder		√	
	E08	RISING MAINS	E08-010	Busbar Trunking		√	
			E08-020	Cable Riser		√	
	E09	LUMINARIES	E09-010	Interior Luminaries		√	
			E09-020	Exterior Luminaries & Lamps		√	
			E09-030	Lamps		√	
			E09-040	Fibre Optic Systems		√	
			E09-050	Auxiliary Lighting Equipment		√	
			E09-060	Emergency Lighting		√	
			E09-070	Lighting Control Systems		√	
	E10	WIRING ACCESSORIES	E10-010	Accessories & Mounting Heights		√	
	E11	LIGHTNING PROTECTION	E11-010	Lightning Protection System		√	
			E11-020	Transient Over-Voltage Protection		√	
	E12	UPS	E12-010	Static UPS System		√	
			E12-020	Dynamic UPS System		√	
	E15	BATTERIES & CHARGES	E15-010	Batteries & Chargers	√		
	E17	POWER QUALITY	E17-010	Power Conditioner & Voltages Stabilisers		√	
	E18	SOLAR PV SYSTEMS	E18-010	Grid-Connected Photovoltaic (PV) System	√		
	EXTRA LOW VOLTAGE	E13	COMMUNICATION	E13-020	Public Address System		√
				E13-030	Telephone Systems		√
				E13-010	Emergency Voice Communication Systems (EVCS)	√	
		E14	SECURITY SYSTEM	E14-010	Intruder Detection & Alarm		√
E14-020				Closed Circuit TV Systems		√	
E14-030				Access Control Systems		√	
E14-040				Patrol Guard Tour System		√	
E14-050				Car Parking Systems		√	
E16		AUDIO VISUAL	E16-010	Audio-Visual Systems		√	

M&E Sections (Total 128 Sections)

Work Package	Classes		Section		Phase 1	Phase 2
LIFTS & ESCALATORS	L01	LIFTS & ESCALATORS	L01-010	Hydraulic & Traction Lifts	√	
			L01-020	Escalators & Moving Walkways		√
			L01-030	Accessible Platform Lift	√	
ACMV	M01	PIPED WATER DISTRIBUTION	M01-010	Circulating Pumps	√	
			M01-020	Pipework, Valves & Fittings	√	
			M01-030	Thermal Insulation	√	
			M01-040	Water Treatment	√	
			M01-050	Expansion Tank	√	
			M01-060	Water Heat Exchanger		√
			M01-090	System Commissioning & Testing for Piped Distribution System	√	
	M02	COOLING EQUIPMENT	M02-010	Water Cooled Water Chiller	√	
			M02-020	Air Cooled Water Chiller	√	
			M02-030	Cooling Towers	√	
			M02-040	Air Cooled Packaged Air Conditioning Unit	√	
			M02-050	Water Cooled Packaged Air Conditioning Unit	√	
			M02-060	Computer Room Air Conditioning (CRAC) Unit	√	
			M02-070	Variable Refrigerant Flow Air Conditioning Unit	√	
			M02-080	Air Cooled Split Air Conditioning Unit	√	
			M02-090	System Commissioning & Testing	√	
	M03	AIR DISTRIBUTION SYSTEMS & EQUIPMENT	M03-010	Ductwork Systems	√	
			M03-020	Air Systems Insulation	√	
			M03-030	Air Handling Units	√	
			M03-040	Dedicated Outdoor Air Unit		√
			M03-050	Fan Coil Units	√	
			M03-060	Ventilation Fans	√	
	M04	AIR TERMINAL DEVICES	M03-070	Heat Wheel Recovery Unit		√
			M04-010	Grilles, Diffusers, Displacement Ventilation Terminals	√	
			M04-020	Variable Air Volume (VAV) Box	√	
			M04-030	Variable Air Volume (VAV) Diffuser	√	
	M05	SPECIAL EXTRACTION SYSTEMS	M04-090	System Commissioning & Testing for Air Terminal Devices	√	
			M05-010	Kitchen Extract Ventilation	√	
			M05-020	Smoke Control	√	
			M05-030	Fume Extract	√	
	M06	COMMON RELATED WORKS	M05-040	Car Park Ventilation	√	
			M05-050	Toilet Ventilation	√	
			M06-080	Related Electrical Works	√	

M&E Sections (Total 128 Sections)

Work Package	Classes		Section		Phase 1	Phase 2
BMS	M07	SOFTWARE	M07-010	General Specification		√
			M07-030	Data Base Structure & Data Processing		√
			M07-040	User Interface (HMI) / Data Acquisition		√
			M07-050	Alarm Management / Fault Detection and Diagnostics (FDD) / Data Analytics		√
			M07-060	System Access & Cyber Security / System Architecture & Expandability		√
	M08	NETWORK	M08-010	Network Configuration		√
			M08-020	Protocols		√
	M09	FIELD DEVICES	M09-010	Controllers		√
			M09-020	Sensors & Transmitters		√
			M09-030	Control Dampers, Valves & Actuators		√
			M09-040	Variable Speed Drive		√
M10	MONITOR, CONTROL & ENERGY CONTROL STRATEGIES	M10-010	Equipment Sequencing Scheduling & Optimization		√	
M11	TESTING & COMMISSIONING	M11-010	System Commissioning & Testing		√	
FIRE PROTECTION	F01	FIRE PUMPS	F01-010	Fire Pumps	√	
	F02	WATER TANKS	F02-010	Fire Water Storage Tanks	√	
	F03	PIPEWORKS, VALVES & FITTINGS	F03-010	Pipework, Valves & Fittings	√	
	F05	GAS BASED FIRE SUPPRESSION SYSTEMS	F05-010	Clean Agent Suppression System	√	
	F06	CHEMICAL BASED FIRE SUPPRESSION SYSTEMS	F06-010	Portable Fire Extinguisher	√	
	F07	FIRE DETECTION & ALARM SYSTEMS	F07-010	Fire Detection & Alarm Systems	√	
	F08	COMMON RELATED WORKS	F08-010	Related Electrical Works	√	
	F09	SYSTEM COMMISSIONING & TESTING	F09-010	System Commissioning & Testing for Fire Sprinkler Systems	√	
			F09-020	System Commissioning & Testing for Fire Hosereel Systems	√	
F09-030			System Commissioning & Testing for Fire Hydrants & Rising Mains Systems	√		
PLUMBING & SANITARY	P01	HOT & COLD WATER SYSTEMS	P01-010	Pipework, Valves & Fittings	√	
			P01-020	Pumps	√	
			P01-030	Water Storage	√	
			P01-050	Sterilisation	√	
			P01-060	Water Heater	√	
			P01-080	Related Electrical Work	√	
			P01-090	System Commissioning & Testing	√	
	P02	COMPRESSED AIR SERVICES	P02-010	Compressed Air Plant	√	
	P03	BOILER & STEAM SERVICES	P03-010	Boilers	√	
	P05	SANITARY DRAINAGE SERVICES	P05-010	Pipework, Valves & Fittings	√	
			P05-020	Manholes & Inspection Chambers	√	
			P05-030	Sanitary Drainage Equipment	√	
			P05-080	Related Electrical Works	√	
	P05-090	System Commissioning & Testing	√			
	P06	GAS DISTRIBUTION	P06-010	Gas Installation	√	
	P07	SWIMMING POOL FILTRATION & STERILIZATION	P07-010	Pipework & Equipment	√	