NO	Skop Kerja	Komponen	Jenis Bahan	Konvensional		Reka & Bina		Catatan
				Disokong Oleh	Diluluskan oleh	Disokong Oleh	Diluluskan oleh	
1	Foundation	Concrete Piles	Precast Reinforced Concrete Piles	P	UKAS	P	UKAS	
			Precast Pretensioned Spun Concrete Piles	P	UKAS	P	UKAS	
			Precast Prestressed Concrete Square piles	P	UKAS	P	UKAS	
		Timber Piles	Pressure Treated Timber Piles	P	UKAS	P	UKAS	
		Steel Piles	Steel 'H' Pile	P	UKAS	P	UKAS	
			Cold-Formed Sheet Piles	P	UKAS	P	UKAS	
2	Concretor	Steel Fabric / Wire Mesh	Square Mesh (A)	P	W	P	W	
			Rectangluar Mesh (B)	P	W	P	W	
			Long Rectangular Mesh (C)	P	W	P	W	
			Small Square Mesh (D)	P		P		
		Steel Bars	Plain Hot Rolled Steel Bars	P	W	P	W	
			Deformed Hot Rolled Steel Bars	P	W	P	W	
			Cold reduced Mild Steel Wire	P	W	P	W	
		Cement	Ordinary Portland Cement	P	W	P	W	
			White Portland Cement	P	W	P	W	
			Portland Blastfurnance Cement	P	W	P	W	
			Portland Pulverised-Fuel Ash Cement	P	W	P	W	
			Pozzolanic pulverised-Fuel Ash Cement	P	W	P	W	
		Fine Agregate	Sand	P	W	P	W	
		Coarse Aggregate	Crushed	P	W	P	W	
			Uncrushed	P	W	P	W	
		Precast Concrete	PC Beams	P	UKAS	P	UKAS	IBS Component
			PC Columns	P	UKAS	P	UKAS	IBS Component
			PC Slabs	P	UKAS	P	UKAS	IBS Component
			PC Walls Panel / Blockworks	P	UKAS	P	UKAS	IBS Component
			PC Staircase	P	UKAS	P	UKAS	IBS Component
			PC Shaft Modules	P	UKAS	P	UKAS	IBS Component
			PC Blocks	P	UKAS	P	UKAS	IBS Component
			PC Bath / Kitchen Modules	P	USB	P	USB	IBS Component

2	Concretor(Cont'd)	Admixture	Air-Entraining Agent	P	W	P	W	
			Chemical Admixture	P	W	P	W	
			Mineral Admixture	P	W	P	W	
		Formworks	Timber (Plywood)	P	W	P	W	
			Steel Forms	P	UKAS	P	UKAS	IBS Component
			Wire-Based forms	P	UKAS	P	UKAS	IBS Component
			Plastic Forms	P	UKAS	P	UKAS	IBS Component
		Anti-Termite	Pre-Construction Treatment	P	W	P	W	
			Post-Construction Treatment	P	W	P	W	
3	Steel & Iron worker	Building Frame	Hot-Rolled Steel Sections	P	UKAS	P	UKAS	
			Cold-Formed Steel Sections	P	UKAS	P	UKAS	
			Cold-Rolled Steel Decks	P	UKAS	P	UKAS	
			Cold-Rolled Steel Claddings	P	UKAS	P	UKAS	
		Miscellaneous	Angles , Joists , Channel , Plates , Bolts and Nuts , Welding etc	P	UKAS	P	UKAS	
4	Roofing	Roof Structure	Steel Rafter / Trusses	P	UKAS	P	UKAS	
			Timber Rafter / Trusses	P	UKAS	P	UKAS	
			Lightweight Steel Roof Trusses	P	UKAS	P	UKAS	IBS Component
			Prefabricated Timber Roof Trusses	P	UKAS	P	UKAS	IBS Component
		Roof Tiles	Concrete Roof Tiles / Flat roof	P	USB	P	USB	
			Clay Roof Tiles	P	USB	P	USB	
			Metal Decking ✓	P	USB	P	USB	
			Aluminium Foil ✓	P	USB	P	USB	
		Fascia Board	As per request / standard fascia capping	P	USB	P	USB	
		Insulation	Rockwool ✓	P	USB	P	USB	
			Fibreglass	P	USB	P	USB	
		Ceiling Finishes	Scheme Coat	P	USB	P	USB	
			Fixed Ceiling ✓	P	USB	P	USB	
			Suspended Ceiling ✓	P	USB	P	USB	

4	Roofing (Cont'd)	Rainwater Down Pipe	Galvanised iron	P	USB	P	USB	
			uPVC	P	USB	P	USB	
		Gutter	Galvanised iron	P	USB	P	USB	
			uPVC	P	USB	P	USB	
5	Wall	External / Internal	Calcium Silicate Bricks	P	USB	P	USB	
			Cement Sand Bricks	P	USB	P	USB	
			Unbaked Clay Bricks	P	USB	P	USB	
			Cast-In Situ shear wall	P	UKAS	P	UKAS	
			Prefabricated Timber Panel	P	SB / KS	P	SB / KS	IBS Component
			Metal Claddings	P	SB / KS	P	SB / KS	IBS Component
		Wall Finishes	Homogeneous Tiles	P	USB	P	USB	
			Ceramic Tiles	P	USB	P	USB	
			Granite	P	USB	P	USB	
			Decorative Plaster	P	USB	P	USB	
			Barium Plaster	P	USB	P	USB	
			Wall paper	P	USB	P	USB	
			Timber Panel	P	USB	P	USB	
		Drywall partition	Wall Partition (Gypsum Board) cubicle work system.	P	USB	P	USB	
6	Floor / Skirting	Floor Finishes	Carpet / Timber Skriting	P	USB	P	USB	
			Non-slip Ceramic Tiles	P	USB	P	USB	
			Non-slip Heavy Duty Homogeneous Tiles	P	USB	P	USB	
			Quarry Tiles	P	USB	P	USB	
			Mosaic Tiles	P	USB	P	USB	
			Floor Hardener	P	USB	P	USB	
			Rubber Mat - sliding poles	P	USB	P	USB	
			Timber Strip Flooring	P	USB	P	USB	
			Epoxy / Granite / Pebble Wash etc	P	USB	P	USB	

7	Painting	Exterior / Interior door & window	Gloss enamel paints	P	USB	P	USB	
			Undercoating Paints	P	USB	P	USB	
		Glossy - Metal / Timber	Latex Emulsion Paints for Interior Use	P	USB	P	USB	
			Latex Emulsion Paints for Exterior and Interior Use	P	USB	P	USB	
			Acrylic Co-Polymer Resin Based Paint	P	USB	P	USB	
			Aluminium Wood Primer	P	USB	P	USB	
			Finishing Aluminium Paints	P	USB	P	USB	
			Flame Retardant Paint	P	USB	P	USB	
			Silicone - Bases Paint	P	USB	P	USB	
8	Door	Door frame	Metal Door Frame	P	USB	P	USB	
			Timber Frame	P	USB	P	USB	
		Door Panel	PVC Door	P	USB	P	USB	
			Fire-Rated Door	P	USB	P	USB	
			Roller Shutter	P	USB	P	USB	
			Timber Flush Door / plywood	P	USB	P	USB	
			Decorative Solid Door / Timber solid door	P	USB	P	USB	
			Phenolic Board	P	USB	P	USB	
		Door lock / Security Lock	Cylindrical Locks	P	USB	P	USB	
			Mortise Locks	P	USB	P	USB	
		Manual / Automatic Door Closer	Concealed Door Closer	P	USB	P	USB	
			Surface Mounted Closer	P	USB	P	USB	
9	Window	Window Frame	Aluminium (Natural Anodised) - roller shutter	P	USB	P	USB	
			Aluminium (Bronze Anodiesd)	P	USB	P	USB	
			Aluminium (Powder Coated)	P	USB	P	USB	
			Wooden Frame	P	USB	P	USB	
		Glass	Tinted Glass	P	USB	P	USB	
			Clear Glass	P	USB	P	USB	
			Naco Glass	P	USB	P	USB	
10	Staircase	Handrail	Timber	P	USB	P	USB	
			Stainless Steel	P	USB	P	USB	
			Coated M.S.Grill	P	USB	P	USB	

11	Built-in Furniture	Kitchen Cabinet	As per request	P	USB	P	USB	
		Wardrobe	As per request	P	USB	P	USB	
		Timber Cabinet	As per request	P	USB	P	USB	
		Laminated Timber Rack	As per request	P	USB	P	USB	
		Metal Locker	As per request	P	USB	P	USB	
		Laminated Wall Mounted	As per request	P	USB	P	USB	
		Laminated Pigeon Hole	As per request	P	USB	P	USB	
		Hanger	As per request	P	USB	P	USB	
		Notice Board	As per request	P	USB	P	USB	
		Soft Board	As per request	P	USB	P	USB	
		Stainless Steel Worktop	As per request	P	USB	P	USB	
		Curtian Track	As per request	P	USB	P	USB	
		Lab Bench	As per request	P	USB	P	USB	
12	All External Supply Water System	Pipes	Ductile Iron Pipes	P	W	P	W	
			Galvanised Steel Pipes	P	W	P	W	
			Stainless Steel Pipes	P	W	P	W	
			Steel Pipes - (SAW)	P	W	P	W	
			Steel Pipes-(ERW)	P	W	P	W	
			uPVC (Pressure Pipes)	P	W	P	W	
			ABS Pipes	P	W	P	W	
			Polybutylene Pipes	P	W	P	W	
			HDPE Pipes	P	W	P	W	
			GRP Pipes	P	W	P	W	For Water supply
			Galvanised Corrugated Steel Pipes	P	W	P	W	
			Chlorinated Poly (Vinyl Chloride) CPVC Plastic	P	W	P	W	Hot & Cold-Water Distribution Pipe
		Pipe Fittings	Ductile Iron Pipe Fittings	P	W	P	W	
			Stainless Steel Pipe Fittings	P	W	P	W	
			Steel Pipe Specials (SAW)	P	W	P	W	
			Steel Pipe Specials (ERW)	P	W	P	W	
			uPVC (Pressure) Pipe Fittings	P	W	P	W	
			ABS Fittings	P	W	P	W	
			PE Fusion Fittings	P	W	P	W	
			HDPE Pipe Fittings	P	W	P	W	
			Polypropylene (PP) Compression Fittings	P	W	P	W	
			PE Fabricated Fittings	P	W	P	W	
			PB Fittings	P	W	P	W	Use with PB pipes for hot & Cold Water

12	All External Supply Water System (Cont'd)	Saddles	Ferrous Saddles (Ductiles iron)	P	W	P	W	
			PP Clamp Saddle	P	W	P	W	To be used with PE Pipes
		Gibault / Detachable joint	Detachable Joint for uPVC Pipes (Ductile iron)	P	W	P	W	
			Variable Adaptor	P	W	P	W	
			Flange Adaptor	P	W	P	W	
			Flexible Coupling	P	W	P	W	
		Valve	Wedge Gate valves (Cast iron)	P	W	P	W	
			Wedge gate valves (Ductile Iron)	P	W	P	W	
			Air valves (Ductile iron)	P	W	P	W	
		Ferrules	Brass Ferrules	P	W	P	W	
			Polypropylena (PP) Tapping Ferrules	P	W	P	W	
		Pillar Hydrant	Pillar Hydrant (Cast iron)	P	W	P	W	
			Pillar Hydrant (Ductile iron)	P	W	P	W	
			Inlet Breachings for Dry Riser Inlets (Ductile Iron)	P	W	P	W	
			Landing Valves for Wet Riser (Copper Alloy)	P	W	P	W	
		Water Meter (Bulk)	Volumetric Water Meter	P	W	P	W	
			Helix Water Meter	P	W	P	W	
			Forged Water Meter	P	W	P	W	
			Flanged Water Meter	P	W	P	W	
		Water Storage tanks	Press Steel Tanks	P	W	P	W	
			Fibreglass Tanks	P	W	P	W	
			Polyethylene / HDPE Tanks	P	W	P	W	
			Stainless Steel Water Tanks	P	W	P	W	
			GRP / FRP Tanks	P	W	P	W	
			GFRP Tanks	P	W	P	W	For Cold Water Storage
		Water Treatment Chemicals	Aluminium Sulphate	P	W	P	W	
		Bituminous Pipe Coating	Bituminous Coating (Pipe Primer)	P	W	P	W	
			Bituminous Coating (Pipe Asphalt)	P	W	P	W	
			Bituminous Coating for Cold Application	P	W	P	W	
			ERW Steel Tube for Cement Lined Pipe	P	W	P	W	

13	All Internal Water Pipe System	All Components / Equipment	As Per Request and Follow Need Statements or Submission	P	UKM	P	UKM	
		Water Meter (Individual)	As Per Request and Follow Need Statements or Submission	P	UKM	P	UKM	
		Piping	As Per Request and Follow Need Statements or Submission	P	UKM	P	UKM	
		Solvent Cement	As Per Request and Follow Need Statements or Submission	P	UKM	P	UKM	
		Stop Valves / Angle Valves	As Per Request and Follow Need Statements or Submission	P	UKM	P	UKM	
		Butterfly Valves (Ductile Iron)	As Per Request and Follow Need Statements or Submission	P	UKM	P	UKM	
		Stop Cock	As Per Request and Follow Need Statements or Submission	P	UKM	P	UKM	
		Flexible Hos	As Per Request and Follow Need Statements or Submission	P	UKM	P	UKM	
		Water Pumps	As Per Request and Follow Need Statements or Submission	P	UKM	P	UKM	
		Pump (Vertical in line)	As Per Request and Follow Need Statements or Submission	P	UKM	P	UKM	
		Butterfly Valves (Ductile Iron)	As Per Request and Follow Need Statements or Submission	P	UKM	P	UKM	
		Gate Valve	As Per Request and Follow Need Statements or Submission	P	UKM	P	UKM	
		check valve	As Per Request and Follow Need Statements or Submission	P	UKM	P	UKM	
		Y strainer	As Per Request and Follow Need Statements or Submission	P	UKM	P	UKM	
		Pressure guage	As Per Request and Follow Need Statements or Submission	P	UKM	P	UKM	
		Pump Control panel	As Per Request and Follow Need Statements or Submission	P	UKM	P	UKM	
		Internal Water Stroge Tanks	As Per Request and Follow Need Statements or Submission	P	UKM	P	UKM	
		Roof Tank	As Per Request and Follow Need Statements or Submission	P	UKM	P	UKM	
		Suction Tank	As Per Request and Follow Need Statements or Submission	P	UKM	P	UKM	
		Individual tank	As Per Request and Follow Need Statements or Submission	P	UKM	P	UKM	

14	Sanitary Fittings	Water Closet (WC)	Squating W.C	P	USB	P	USB	
			Pedestal W.C	P	USB	P	USB	
		Wash Hand Basin	As per request	P	USB	P	USB	
		Taps	Bib Taps	P	USB	P	USB	
			Pillar Taps	P	USB	P	USB	
		Urinal Bowl	As per request	P	USB	P	USB	
		Toilet Roll Holder	As per request	P	USB	P	USB	
		Soap Holder	As per request	P	USB	P	USB	
		Towel Rail	As per request	P	USB	P	USB	
		Shower Rose	As per request	P	USB	P	USB	
		Floor Trap / Bottle Trap	As per request	P	USB	P	USB	
15	All External Sanitary Pipe System / Sewerage Line	Pipes	Unglazzed Vitrified Clay Pipes	P	W	P	W	
			Concrete Porous Pipes	P	W	P	W	
		Sewerage Line	As per request	P	W	P	W	
		Underground Sewerage Pipe	As per request	P	W	P	W	
		Manhole	Ductile Iron	P	W	P	W	
			Non-Metallic Composites Materials	P	W	P	W	
		Grating	Galvanised Mild Steel	P	W	P	W	
			Ductile Iron	P	W	P	W	
		Septic Tank	Aerator Septic Tank	P	W	P	W	
			Concrete Septic Tank	P	W	P	W	
			FRP Septic Tank	P	W	P	W	
			PE Septic Tank	P	W	P	W	
		Sewerage Treatment Plant	Convensional STP	P	UKAS	P	UKAS	
			Prefabricated STP	P	UKAS	P	UKAS	

16	All Internal Sanitary System	All Components / Equipment	As Per Request and Follow Need Statements or Submission	P	UKM	P	UKM	
		Soil & Waste Pipe c/w Accessories	As Per Request and Follow Need Statements or Submission	P	UKM	P	UKM	
		Vent Pipe & Vent Cowl c/w Accessories	As Per Request and Follow Need Statements or Submission	P	UKM	P	UKM	
		Gully Traps	As Per Request and Follow Need Statements or Submission	P	UKM	P	UKM	
		First Manhole / IC	As Per Request and Follow Need Statements or Submission	P	UKM	P	UKM	
		Grease/Oil Interceptor	As Per Request and Follow Need Statements or Submission	P	UKM	P	UKM	
17	Drainage	Channeling	Precast Concrete Half Round Channel	P	W	P	W	
			Precast Concrete U-Shape Drains	P	W	P	W	
			Precast Concrete Block Drains	P	W	P	W	
		Culvert	Precast Concrete Pipe Culverts	P	W	P	W	
			Precast Concrete Spun Pipe Culvert	P	W	P	W	
			Precast Concrete Box Culvert	P	W	P	W	
			Cast Iron pipe	P	W	P	W	

18	Roadwork	Paver	Crusher Run Base Course	P	W	P	W	
			Asphaltic Concrete Wearing Course	P	W	P	W	
			Premix Carpet Course	P	W	P	W	
			Interlocking Concrete Blocks	P	W	P	W	
		Road Marking Paints	Reflective road Marking Paints	P	W	P	W	
			Non-reflective Road Marking Paints	P	W	P	W	
			Thermoplastic Road marking Materials	P	W	P	W	
		Guardrail / Parapet	Corrugated Sheet Steel Beams	P	W	P	W	
			Zinc Coated Wire Rope Guardrail	P	W	P	W	
			New Jersey	P	W	P	W	
		Street Lighting Columns	Hot Dip galvanised, Galvanized & Polyester Powder Coated	P	UKE	P	UKE	
		Roadside Drains	PC Semi Elliptical Channel	P	W	P	W	
			PC Cover Slab	P	W	P	W	
		Road Kerb	Precast Concrete	P	W	P	W	
			Weir Kerb	P	W	P	W	
			Texture & Decorative Kerb	P	W	P	W	
			Block Paving Kerb	P	W	P	W	
			Radius & Channel Kerb	P	W	P	W	
		Road Signage	As Per Request	P	W	P	W	

19	Earthworks	Slope Protection Works	PC Retaining Units	P	W	P	W	
			Gabions	P	W	P	W	
			Stone Mattress	P	W	P	W	
			Stone Pitching	P	W	P	W	
			HDPE Sand Bags	P	W	P	W	
		Soil Treatment	As per request	P	UKAS	P	UKAS	
20	Fencing	Gated Compound	PVC Coated Chain Link	P	USB	P	USB	
			Mild Steel Leaf Gate	P	USB	P	USB	
			Mild Steel Sliding gate	P	USB	P	USB	
			Decorative Reinforced Concrete	P	SB / KS	P	SB / KS	
21	Rubber Layer / jointing	Water Proofing Membrane / Damp Proof Course	As per request	P	W	W	P	
		Expansion Joint / Contraction Joint	Asphaltic Plug	P	UKAS	UKAS	P	
			Buried	P	UKAS	UKAS	P	
			Compression Seal	P	UKAS	UKAS	P	
			Elastomeric	P	UKAS	UKAS	P	
			Nosing with Poured Sealant	P	UKAS	UKAS	P	
			Omega Seal	P	UKAS	UKAS	P	
			Strip Seal	P	UKAS	UKAS	P	
		Exmet	As per request	P	w	w	P	

22	Landscape	Hardscape	As per request	P	USB	P	USB	
		Softscape	Spot Turfing ✓	P	USB	P	USB	
			Close Turfing	P	USB	P	USB	
		Compound Lighting	As per request	P	W	P	W	
23	Airconditioning & Mechanical Ventilation	Equipment	As per request	P	UKM	P	UKM	
24	Fire Fighting System	Equipment	As per request	P	UKM	P	UKM	
25	Lift System	Equipment	As per request	P	UKM	P	UKM	
26	All Electrical Fittings	All Components / Equipment	As ST, TNB, SESB, SESCO, JKR, EMAL and Follow Need Statements or Submission	P	UKE	P	UKE	

Nota:

1. Sokongan terhadap penggunaan bahan yang dikeluarkan oleh setiap Unit atau Pejabat Wilayah (CPP) adalah dibuat bagi pihak Pegawai Penguasa (PP) atau Pengarah Projek (PD)
2. Setiap sokongan penggunaan bahan hendaklah sekurang-kurangnya ditandatangani oleh Penolong Pengarah (J41) dan ke atas
3. Sebarang isu / permasalahan yang dihadapi oleh pihak Pejabat Wilayah (CPP) dalam menyokong penggunaan bahan binaan tersebut hendaklah dirujuk kepada Unit-Unit di Ibu Pejabat bagi mendapatkan bantuan atau khidmat nasihat
4. Penentuan komponen standard IBS hendaklah dibuat dengan merujuk kepada MS 1054:part 4 & part 5:2001
5. lain-lain komponen IBS (Simplified Construction Solutions) yang tidak dinyatakan di dalam jadual diatas perlulah dirujuk kepada CIDB

Petunjuk:

USB - Unit Senibina
UKAS - Unit Kejuruteraan Awam & Struktur
UKE - Unit Kejuruteraan Elektrikal
UKM - Unit Kejuruteraan Mekanikal
W - Pejabat Wilayah (CPP)
P - Perunding