

Section VII. Technical Specifications

Notes for Preparing the Technical Specifications

A set of precise and clear specifications is a prerequisite for Bidders to respond realistically and competitively to the requirements of the Procuring Entity without qualifying their Bids. In the context of Competitive Bidding, the specifications (e.g. production/delivery schedule, manpower requirements, and after-sales service/parts, descriptions of the lots or items) must be prepared to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship, materials, and performance of the goods and services to be procured. Only if this is done will the objectives of transparency, equity, efficiency, fairness, and economy in procurement be realized, responsiveness of bids be ensured, and the subsequent task of bid evaluation and post-qualification facilitated. The specifications should require that all items, materials and accessories to be included or incorporated in the goods be new, unused, and of the most recent or current models, and that they include or incorporate all recent improvements in design and materials unless otherwise provided in the Contract.

Samples of specifications from previous similar procurements are useful in this respect. The use of metric units is encouraged. Depending on the complexity of the goods and the repetitiveness of the type of procurement, it may be advantageous to standardize the General Technical Specifications and incorporate them in a separate subsection. The General Technical Specifications should cover all classes of workmanship, materials, and equipment commonly involved in manufacturing similar goods. Deletions or addenda should then adapt the General Technical Specifications to the particular procurement.

Care must be taken in drafting specifications to ensure that they are not restrictive. In the specification of standards for equipment, materials, and workmanship, recognized Philippine and international standards should be used as much as possible. Where other particular standards are used, whether national standards or other standards, the specifications should state that equipment, materials, and workmanship that meet other authoritative standards, and which ensure at least a substantially equal quality than the standards mentioned, will also be acceptable. The following clause may be inserted in the Special Conditions of Contract or the Technical Specifications.

Sample Clause: Equivalency of Standards and Codes

Wherever reference is made in the Technical Specifications to specific standards and codes to be met by the goods and materials to be furnished or tested, the provisions of the latest edition or revision of the relevant standards and codes shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national or relate to a particular country or region, other authoritative standards that ensure substantial equivalence to the standards and codes specified will be acceptable.

Reference to brand name and catalogue number should be avoided as far as possible; where unavoidable they should always be followed by the words "*or at least equivalent.*" References to brand names cannot be used when the funding source is the GOP.

Where appropriate, drawings, including site plans as required, may be furnished by the Procuring Entity with the Bidding Documents. Similarly, the Supplier may be requested to provide drawings or samples either with its Bid or for prior review by the Procuring Entity during contract execution.

Bidders are also required, as part of the technical specifications, to complete their statement of compliance demonstrating how the items comply with the specification.

Technical Specifications

Item No.	Specification	Statement of Compliance
		<p><i>[Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]</i></p>
1	Plyboard 3/4" thk x (W) 4ft. x (L) 8ft.	
2	Ordinary Plywood 1/2" thk x (W) 4ft. x (L) 8ft.	
3	Ordinary Plywood 1/4" thk x (W) 4ft. x (L) 8ft.	
4	Concrete Nails 1 1/2"	
5	Concrete Nails 2"	
6	FICEM Board 4.5mm thk x (W) 4ft. x (L) 8ft.	
7	FICEM Board 6mm thk x (W) 4ft. x (L) 8ft.	
8	3/4" x 3/16" Ficem Screw (1000pcs/box)	
9	Cutting Disc 4" x .040mm x 5/8" (Metal)	

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10	Cutting Disc 4" x .040mm x 5/8" (Masonry)	
11	Flat Latex (Premium) Color: White (see attached sample)	
12	Flat Latex (Premium) Color: Light Gray (see attached sample)	
13	Premium Semi-Gloss Latex (Color: Royal Blue)	
14	Premium Semi-Gloss Latex (Color: Golden Yellow)	
15	Door Knob Entrance Lockset Cylindrical Stainless Finish (Heavy Duty)	
16	Sand Paper #36	
17	Sand Paper #100	
18	Sand Paper #120	
19	Epoxy Reducer	
20	Lacquer Primer	
21	Lacquer Thinner	
22	Lacquer Sanding Sealer	
23	Lacquer Flo	
24	Screw Bit	
25	1/8" Metal Drill Bit	
26	9/64" Metal Drill Bit	
27	Clear Gloss Lacquer Thinner	
28	Dead Flat Lacquer Thinner	
29	All Around Sealant (VulcaSeal or any Equivalent)	
30	Portland Cement	
31	Concrete Epoxy A	
32	Concrete Epoxy B	
33	Tile Adhesive	
34	Tile Grout 2kgs/pack	
35	Expansion Bolt with Shield 3/4" x 2"	

36	Silicon Sealant Clear	
37	Acrylic Gap Sealant Paintable	
38	Hole saw for wood (12mm - 100mm)	
39	Hole saw for metal (12mm - 100mm)	
40	Hacksaw Blade	
41	Paint Brush 1"	
42	Paint Brush 2"	
43	Paint Brush 3"	
44	Paint Brush 4"	
45	Pneumatic Concealed Hinges (Full)	
46	Pneumatic Concealed Hinges (Half)	
47	Solignum Wood Preservative	
48	Elastomeric Waterproofing Paint (Color: White)	
49	1" x 1" x 8ft. Lumber S4S	
50	1" x 2" x 8ft. Lumber S4S	
51	2" x 2" x 8ft. Lumber S4S	
52	2" x 3" x 8ft. Lumber S4S	
53	Crushed Gravel 3/4"	
54	Washed Sand	
55	Deformed Bars 12mm dia. x 6m, G33	
56	Deformed Bars 10mm dia. x 6m, G33	
57	#16 Tie Wire	
58	Pre Painted Ridge Roll, Color: White 0.3m x 2.4m x 0.5mm thk.	
59	GI, C - Purlins 2in x 3in x 6m x 1.5mm THK	
60	Pre Painted Roof Color White 12" x 0.4mm thk	
61	Roofing End Flashing 0.4mm THK x 2.4m	
62	Teks Screw Adapter (8mm)	

63	Teks Screw Adapter (10mm)	
64	Metal Studs 2in x 3in x 10ft.	
65	Metal Track 2in x 3in x 10ft.	
66	Metal Furring Single	
67	60cm x 60cm Granite Tiles, Color: White (see attached sample)	
68	Baby Paint Roller 4" Cotton	
69	Baby Paint Roller 4" Foam	
70	Hand Riveter	
71	Studs Plier Nailless Crimper (Single)	
72	Loose Pin Hinges 3 1/2" x 3 1/2", 3mm thk.	
73	600mm PVC Panel Door (without door jamb, Color: Chestnut Brown)	
74	Blind Revits 1/8" x 1/2"	
75	Slotted Steel Angle Bar 1 1/2" x 1 1/2" x 8ft (Thick 1.8mm)	
76	Slotted Steel Angle Bar Bolt & Nut	
77	Welding Rod #12	
78	Water Plug (1 Liter)	
79	Welding Gloves	
80	Push/Flush Valve 1/2" Brass Chrome (Urinal)	
81	Teflon Tape 3/4"	
82	Waterstop Wet and Dry Sealant (200ml)	
83	Tee 2"Ø x 2"Ø	
84	Wye Tee 2"Ø x 2"Ø	
85	PVC Pipe Elbow 3"Ø, 90°	
86	PVC Pipe Elbow 2"Ø, 90°	
87	PVC Pipe Elbow 4"Ø, 90°	
88	PVC Pipe 4"Ø x 3m S1000	

89	PVC Pipe 3"Ø x 3m S1000	
90	PVC Pipe 2"Ø x 3m S100	
91	Water Closet (660mm x 385mm x 705mm with Single Flush Trip Lever) with complete accessories - Royal Tern or Any Equivalent, Color: White	
92	PE Connector 3/4" (Male with Thread)	
93	PE Connector 1/2" (Male with Thread)	
94	PE Connector 1/2" (Female with Thread)	
95	Stainless Faucet Plain Bib	
96	Stainless Flexible Hose 1/2" x 1/2" x 12"	
97	Stainless Flexible Hose 1/2" x 1/2" x 18"	
98	Gooseneck Lavatory Faucet (short)	
99	Stainless Lavatory Faucet Single Cold	
100	Eslon Blue Coupling 1/2"	
101	GI Nipple 1/2" x 2"	
102	Gi tee 1/2" x 1/2"	
103	Stainless Sink 60cm x 45cm	
104	Angle Valve 1/2" x 1/2"	
***** Nothing Follows*****		

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