

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) 8 ft.	
2	Ordinary Plywood 1/2" thk x (W) 4ft. x (L) 8 ft.	
3	Ordinary Plywood 1/4" thk x (W) 4ft. x (L) 8 ft.	
4	Ordinary Plywood 3/4" thk x (W) 4ft. x (L) 8 ft.	
5	Ordinary Plywood 1/8" thk x (W) 4ft. x (L) 8 ft.	
6	FICEM Board 4.5mm thk x 4"x 8"	
7	FICEM Board 6mm thk x 4"x 8"	
8	Cutting Disc 4" x .040" x 5/8" (Metal)	

9	Flat Latex, 4L per gallon		
10	Flat Latex, 4L per gallon, Black		
11	Flat Latex (Premium), Color: White		
12	Flat Latex (Premium), Color: Light Gray		
13	Premium Semi-Gloss Latex, Color: Royal Blue		
14	Premium Semi-Gloss Latex, Color: Golden Yellow		
15	Semi-Gloss Latex, White		
16	Wood Stain, 1L per can		
17	Formica Sheets 4ft x 8ft		
18	Semi-Gloss Latex, Black		
19	Door Knob Entrance Lockset Cylindrical Stainless Finish (Heavy Duty)		
20	Sand Paper # 36		
21	Sand Paper # 80		
22	Sand Paper # 100		
23	Sand Paper # 120		
24	Sand Paper # 240		
25	Epoxy Reducer		
26	Lacquer Putty		
27	Lacquer Primer		
28	Lacquer Thinner		

29	Lacquer Sanding Sealer		
30	Lacquer Flo		
31	Screw Bit		
32	1/8" Metal Drill Bit		
33	9/64" Metal Drill Bit		
34	Clear Gloss Lacquer		
35	Dead Flat Lacquer		
36	All Around Elastometric Water Proofing Sealant		
37	Portland Cement		
38	Concrete Epoxy A		
39	Concrete Epoxy B		
40	Powder Base, to be mixed with Concrete		
41	Tile Grout, 2kgs per pack		
42	Expansion Bolt with Shield, 3/4 x 2in		
43	Silicon Sealant, Clear		
44	Silicon Sealant, White		
45	Whole saw for wood (12mm - 100mm)		
46	Whole saw for metal (12mm - 100mm)		
47	Hacksaw Blade		
48	Paint Brush 1"		

49	Paint Brush 2"		
50	Paint Brush 3"		
51	Paint Brush 4"		
52	Pneumatic Concealed Hinges (Full)		
53	Pneumatic Concealed Hinges (Half)		
54	Wood Preservative for Termites/Insects		
55	Elastomeric Waterproofing Paint, Color: White		
56	1" x 1" x 8' Lumber S4S		
57	1" x 2" x 8' Lumber S4S		
58	2" x 2" x 8' Lumber S4S		
59	2" x 3" x 8' Lumber S4S		
60	Crushed Gravel 3/4		
61	Washed Sand		
62	Deformed Bars 12mm dia. x 6m G33		
63	Deformed Bars 10mm dia. x 6m G33		
64	#16 Tie Wire		
65	Pre Painted Ridge Roll, Color: White 0.3m x 2.4m x 0.5mm thk		
66	GI C Purlins 2in x 3in x 6m x 1.5mm THK		
67	Roofing End Flashing 0.4mm THK x 2.4m		
68	TekScrew adaptor (8mm)		

69	TekScrew adaptor (10mm)		
70	Metal Studs 2in x 3in x 10ft		
71	Metal Track 2in x 3in x 10ft		
72	Metal Furring		
73	60cm x 60cm Granite Tiles white		
74	Baby Paint Roller 4" Cotton		
75	Baby Paint Roller 4" Foam		
76	Paint Roller #7		
77	Paint Roller #9		
78	Hand Riveter Heavy Duty		
79	Studs Plier Nailless Crimper single		
80	Loose Pin Hinges 3 1/2" x 3 1/2" x 3mm thk		
81	600 mm PVC Panel Door (without door jamb, Color : Chestnut Brown)		
82	Blind Revits 1/8 x 1/2		
83	Welding Rod #12		
84	Welding Glove		
85	Planer Blade		
86	Forstner Bit 35mm		
87	Redifix Adhesive		
88	Epoxy Adhesive		

89	Rugby, 4L per gallon		
90	Wood Glue		
91	Steel Cabinet Handle		
92	Drawer Slides Roller		
93	Angle Bar 2" x 2"		
94	Angle Bar 1/2" x 1/2"		
95	Concealed Hinges C1		
96	Concealed Hinges C3		
97	Gypsum Screw Metal #1		
98	Gypsum Screw Metal #2		
99	Gypsum Screw Metal #3/4		
100	Gypsum Screw Wood #1		
101	Gypsum Screw Wood #2		
102	Nailer 25mm F25		
103	Stone Sharpener 12 inch.		
104	Masking Tape #1		
105	Masking Tape #2		
106	Paint Thinner, 3L per bottle/can		
107	Acrylic Thinner, 3L per bottle/can		
108	Acrylic Primer, 4L per bottle/can		

109	Quick Dry Enamel, Black	
110	Quick Dry Enamel, Brown	
111	Putty/Body Filler, 3L per bottle/can	
112	Oil Tinting Color : Lamp Black	
113	Oil Tinting Color : Raw Sienna	
114	Oil Tinting Color : Burnt Sienna	
115	Oil Tinting Color : Burnt Umber	
116	Latex Tinting Color : Lamp Black	
117	Latex Tinting Color : Raw Sienna	
118	Epoxy Enamel, Black	
119	Epoxy Enamel, White	
120	Push/flush Valve 1/2" brass chrome (Urinal)	
121	Tapelon Tape seal 3/4 "	
122	PVC Pipe Elbow	
123	PVC Pipe 4"Ø x 3m S1000	
124	Water Closet (CS 1316 SF TL 660 x 385 x 705 mm with Single Flush Trip Lever) with complete accessories, Color : White	
125	PE Connector 3/4 (Male with Thread)	
126	PE Connector 1/2 (Male with Thread)	
127	PE Connector 1/2 (Female with Thread)	
128	Stainless Faucet Plain Bib	

129	Stainless Flexible Hose 1/2 x 1/2 x 12"	
130	Stainless Flexible Hose 1/2 x 1/2 x 18"	
131	Gooseneck Lavatory Faucet (short)	
132	Stainless Lavatory Faucet Single Cold	
133	Ordinary Faucet (brass)	
134	PVC Pipe Blue Elbow with Thread 1/2	
135	PVC Pipe Blue Elbow 1/2 x 90° Plain	
136	PVC Pipe Blue Elbow 3/4 x 90° plain	
137	PVC Pipe Blue Tee 3/4	
138	PVC Pipe Blue coupling 3/4	
139	PVC Pipe Blue male connection 3/4	
140	PVC Pipe Blue female connection 3/4	
141	PVC Pipe Blue male connection 1/2	
142	PVC Pipe Blue female connection 1/2	
143	PVC Pipe Blue Tee Plain 1/2	
144	GI Nipple 1 1/2 x 6	
145	GI bell reducer 2 1/2 x 1 1/2	
146	GI bushing Reducer 2 x 1 1/2	
147	Steel Narrow (large size)	
148	GI Nipple 1 x 2	

149	GI Elbow 1 x 90°	
150	Lavatory Faucet (T-Handle)	
151	Angle Valve 1/2 x 1/2	
152	Gate Valve 1/2	
153	PVC Solvent 100c	
154	Polyethylene Pipe 1/2 x 150m	
155	Polyethylene Pipe 3/4 x 150m	
156	PE Coupling 3/4"	
157	PE Coupling 1/2"	
158	PE Adaptor Male 1/2"	
159	PE Adaptor Female 1/2"	
160	PE Adaptor Male 3/4"	
161	PE Adaptor Female 3/4"	
162	Declogger (1 liter per bottle)	
163	Drill with Hammer	
164	Aviation Straight Cut	
165	Shovel	
166	10" Magnetic Screwdriver	
167	10" Magnetic Flat Screwdriver	
168	Circular Saw Blade 7" - 24T	

169	Palitada	
170	VIS Reflective Vest	
171	Safety Rubber Boots, Large	
172	Safety Protective Gloves, Large	
***** Nothing Follows*****		

I hereby verify to comply with all the above requirements.

Signature over printed name of the authorized representative

Company name

Date