

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	#16 Tie Wire	
2	1" x 1" x 10' Wood Lumber S4S	
3	1" x 2" x 10' Wood Lumber S4S	
4	1/8" Metal Drill Bit	
5	18"x18"x 2mm thick Vinyl	
6	2" x 2" x 10' Wood Lumber S4S	
7	2" x 3" x 10' Wood Lumber S4S	
8	3" Umbrella Nails	
9	3/4 X 3/16 METAL SCREW (1000pcs/box)	
10	40MM Padlock with Latch Hasp heavy duty	

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11	60cm x 60cm Granite Tiles (See sample) for Various Building	
12	80cm x 2.1m Wood Panel Door (See drawing)	
13	9/64" Metal Drill Bit	
14	90cm x 2.1m Wood Panel Door (See drawing)	
15	Acrylic Flooring Adhesive (Powerbond) 5kgs	
16	Acrylic Waterproofer & Sealer	
17	Acrytex Cast	
18	Acrytex Primer	
19	Acrytex Reducer	
20	All around Sealant (VulcaSeal or any Equivalent)	
21	Angle Valve 1/2 x 1/2	
22	Aviation (Tin) Snips STRAIGHT 10" Heavy Duty cuts upto Gauge 23	
23	Baby Paint Roller 4" Cotton with pan	
24	Baby Paint Roller 4" Foam with pan	
25	Blind Revits 1/8 x 1/2	
26	Body Filler with Hardener	
27	Brass Gate Valve 1/2in	
28	Brass Gate Valve 2in	
29	Brass Gate Valve 3/4in	
30	Carrying Channel 12mm x 38mm x 5m x 0.5mmTHK GA 25	
31	Caution Tape (Yellow) 3in	
32	Chainsaw Chain 11.5in (See sample) Heavy duty	
33	Concealed Hinges Boring Bit (35mm)	
34	Concrete Epoxy A-B High - Low Viscosity	
35	Concrete Nails 3"	
36	Concrete Nails 4"	
37	Concrete Primer, White	

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38	Contact Cement Rugby	
39	Crushed Gravel 3/4	
40	Cut-Off Wheel Blade 14"	
41	Cutting Disc 14" x .040" x 5/8"	
42	Cutting Disc 4" x .040" x 5/8"	
43	CW Nails # 2	
44	CW Nails # 3	
45	CW Nails # 4	
46	Deformed Bars 10mm dia. x 6m G33	
47	Deformed Bars 12mm dia. x 6m G33	
48	Diamond Cutter #4 (wet/dry, 4"/105 x 20/2.0mm)	
49	Door Deadbolt set	
50	Door Jamb 2in x 6in x 1.0m Good Lumber S4S	
51	Door Knob Entrance Lockset Cylindrical Stainless Finish (Heavy Duty)	
52	Double Furring 19mm x 50mm x 5m x 0.5mmTHK GA 25	
53	Drawer Slide Guide 16in Heavy Duty 1pair per set	
54	Drawer Slide Guide 18in Heavy Duty 1pair per set	
55	Duct Tape High Quality 3in	
56	Elastomeric Waterproofing Paint (Color: White)	
57	Electrode Holder 300 Amp Heavy Duty	
58	Electrode Holder 500 Amp Heavy Duty	
59	EPOXY ENAMEL PAINT Color: Brown	
60	EPOXY PRIMER REDUCER	
61	EPOXY PRIMER, BLACK	
62	EPOXY PRIMER, WHITE	
63	Eslon Blue coupling 1/2	
64	Eslon Blue coupling 3/4	

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65	Eslon Blue Elbow 1/2 x 90° Plain	
66	Eslon Blue Elbow 3/4 x 90° plain	
67	Eslon Blue female connection 1/2	
68	Eslon Blue female connection 3/4	
69	Eslon Blue male connection 1/2	
70	Eslon Blue male connection 3/4	
71	Eslon Blue Pipe 3/4 S1000	
72	Eslon Blue Tee Plain 1/2	
73	Eslon Blue Tee Plain 3/4	
74	Eslon Blue Tee Threaded 1/2	
75	Eslon Blue Tee Threaded 3/4	
76	Expansion Bolt with Shield 1/4 x 2in	
77	Expansion Shield Lag Screw 3/8 x 2in	
78	FICEM Board 4.5mm thk x 4"x 8"	
79	FICEM Board 6mm thk x 4"x 8"	
80	Ficem Screw #7 x 1/2in	
81	Ficem Sliding Nails 1in	
82	Finishing Nails # 1 1/2	
83	Finishing Nails # 1	
84	Finishing Nails # 2 1/2	
85	Finishing Nails # 3	
86	Flat Latex (Premium) Color: Light Gray see sample	
87	Flat Latex (Premium) Color: White see sample	
88	GI C Purlins 2in x 3in x 6m x 1.5mm THK	
89	GI C Purlins 2in x 6in x 6m x 1.5mm THK	
90	Glass Cutter (Diamond Tip, Heavy Duty cuts upto 25mm thk glass)	
91	Gooseneck Lavatory Faucet (short)	

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92	Heavy Duty Gun Tacker Wires T50	
93	Hole Drawer Lock 22mm Heavy Duty	
94	Jigsaw Blade No. 10S Wood	
95	Jigsaw Blade No. 1 for Metal	
96	Jigsaw Blade No. 2 Wood	
97	Jigsaw Blade No. 3 Wood	
98	Jigsaw Blade No. 8 Wood	
99	Kitchen Sink 14" x 20"	
100	Lacquer Primer Surfacer	
101	Lacquer Spot Putty	
102	Lacquer Thinner	
103	Lavatory Faucet (T-Handle)	
104	Liquid Declogger Heavy Duty for Sink and Drain	
105	Lock Installation Kit Standard size (Hole Saw 2 1/2in, Wood Bit 7/8in, Hole saw Mandrel)	
106	Long Span Rib Type Pre-painted Roof: Color White 1.11m x 10.0m x .4mm thk	
107	Loose Pin Hinges 3 1/2" x 3 1/2" x 3mm thk	
108	Marine Epoxy A-B High-Performance Marine Application	
109	Marine Plywood 1/2" thk x 4" x 8'	
110	Marine Plywood 1/4" thk x 4" x 8'	
111	Marine Plywood 3/4" thk x 4" x 8'	
112	Masking Tape 1"	
113	Masking Tape 2"	
114	Masonry Drill Bit 1/8 heavy duty	
115	Masonry Drill Bit 3/8 heavy duty	
116	Metal Black Screw 1 1/2in	
117	Metal Black Screw 2 in	
118	Metal Primer Color:Gray	

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119	Metal Screw 1/8" x 1/2" (1000pcs/box)	
120	Metal Studs 2in x 3in x 10ft	
121	Metal Track 2in x 3in x 10ft	
122	Nylon String #45 (Tansi)	
123	Paint Roller # 7 Cotton w/ Pan	
124	Paint Roller # 7 Foam w/ Pan	
125	Paint Roller # 9 Cotton w/ Pan	
126	Paint Roller # 9 Foam w/ Pan	
127	Paint Brush # 1"	
128	Paint Brush # 2"	
129	Paint Brush # 4"	
130	Paint Thinner	
131	Paint Tinting Color Oil and Latex (Color: Hansa Yellow)	
132	Paint Tinting Color Oil and Latex (Color: Lamp Black)	
133	Paint Tinting Color Oil and Latex (Color: Raw Sienna)	
134	Paint Tinting Color Oil and Latex (Color: Thalo Blue)	
135	Paint Tinting Color Oil and Latex (Color: Thalo Green)	
136	Paint Tinting Color Oil and Latex (Color: Venetian Red)	
137	Paint Tinting Color Oil and Latex (Color: Burnt Umber)	
138	Penetrating Oil WD40	
139	Phenolic Board 3/4in THK x 4ft x 8ft	
140	Planer Blades 82mm (3 1/4) (1 pair per pack) Heavy Duty	
141	Plastic Steel Epoxy 56.8g (S-5) High Strength (Resin and Hardener)	
142	Pneumatic Concealed Hinges (Full)	
143	Pneumatic Concealed Hinges (Half)	
144	Polyethelyne (PE) Coupling 1/2in ISO	

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145	Polyethelyne (PE) Coupling 2in ISO	
146	Polyethelyne (PE) Coupling 3/4in ISO	
147	Polyethelyne (PE) Pipe 1/2in ISO SDR17	
148	Polyethelyne (PE) Pipe 3/4in ISO SDR17	
149	Polyethelyne (PE) Threaded Coupling 1/2in ISO	
150	Polyethelyne (PE) Threaded Coupling 2in ISO	
151	Portland Cement	
152	Premium Semi-Gloss Latex (Color: Blue see sample)	
153	Premium Semi-Gloss Latex (Color: Off White see sample)	
154	Putty Knife 4in	
155	PVC Elbow 45 x 2in	
156	PVC Elbow 45 x 3in	
157	PVC Elbow 90 x 2in	
158	PVC Elbow 90 x 3in	
159	PVC Pipe 2inx 3m S1000	
160	PVC Pipe 3inx 3m S1000	
161	PVC Reducer 2in x 3/4in	
162	PVC Tee 2in	
163	PVC Tee 3in	
164	Quick Dry Enamel Paint (Color Black see sample)	
165	Quick Dry Enamel Paint (Color Brown see sample)	
166	Roof Guard Paint (Color: White)	
167	Rubber Mallet 16 oz	
168	Rust Converter	
169	Sand Paper # 120	
170	Sand Paper # 60	
171	Sand Paper # 80	

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172	Sand Paper #240	
173	Screw Bits 65MM packs of 10	
174	Self Drilling Black Screw 1 1/2in	
175	Self Drilling Black Screw 2 in	
176	Shovel Pointed Wood Handle	
177	Silicon Sealant Clear	
178	Skimcoat, Color: white, 25kg per bag	
179	Solignum Wood preservative	
180	Solvent Cement 1000cc	
181	Table Saw Blade Carbide 7 1/4in x 2.0 x 25.4	
182	Teflon Tape 3/4	
183	Tek Screw 3in	
184	Tek Screw Adaptor 10mm Magnetic 5pcs per pack	
185	Tek Screw Adaptor 12mm Magnetic 5pcs per pack	
186	Tek Screw Adaptor 8mm Magnetic 5pcs per pack	
187	Tile Adhesive	
188	Tile Grout 2kgs/pack Color Gray	
189	Tile Grout 2kgs/pack Color White	
190	Triple Suction Cup Pad, Aluminum 3 Plates Hand Vacuum Lifter	
191	Urinal with Flush Valve 363 x 270 x 580 mml with complete accessories- Royal Tern or any equivalent, Color : White	
192	Wall Angle 25mm x 25mm x 2.4m x 0.5mm thk GA 25	
193	Washed Sand	
194	Waste Rug (Cotton)	
195	Water Closet (CS 1316 SF TL 660 x 385 x 705 mm with Single Flush Trip Lever) with complete accessories - Royal Tern or any equivalent, Color : White	
196	W-Clip 0.5mm THK	

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197	Welding Cable 35 sqmm (for 300Amp)	
198	Welding Cable 70 sqmm (for 500Amp)	
199	Welding Gloves Double Layered Double Stitched Water Resistant	
200	Welding Rod 6011	
201	Welding Rod 6012	
202	Wood Glue	
203	Wood Screw 1/8" x 1/2" (1000pcs/box)	
***** Nothing Follows*****		

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