

# *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) 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	Specification	Statement of Compliance
		<p>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 Bidders 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 provisions of <b>ITB Clause 3.1(a)(ii)</b> and/or <b>GCC Clause 2.1(a)(ii)</b>.</p>
1	#16 Tie Wire	
2	1" x 1" x 10' Mahogany Lumber S4S	
3	1" x 2" x 10' Mahogany Lumber S4S	
4	1.20m x 1.70m H Frame Scaffolding System: - GI Schedule 40 - 2 pcs H Main Frame - 2 pcs Cross Brace - 4 pcs Joint Pin	
5	1/8" Metal Drill Bit	
6	2" x 2" x 10' Mahogany Lumber S4S	
7	2" x 3" x 10' Mahogany Lumber S4S	
8	3" Umbrella Nails	

*Technical Specifications – Proposed Procurement for the Supply and Delivery of Supplies and Materials for Infrastructure Repair and Maintenance for USTP-CDO*

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9	3/4 X 3/16 METAL CREW (1000pcs/box)	
10	600 mm PVC Panel Door (without door jamb, Color : Chestnut Brown)	
11	60cm x 60cm Granite Tiles (See sample) for Engineering Complex (see attached sample)	
12	9/64" Metal Drill Bit	
13	Acrytile Cast	
14	Acrytile Primer	
15	All around Sealant (VulcaSeal or any Equivalent)	
16	Angle Valve 1/2 x 1/2	
17	Baby Paint Roller 4" Cotton with pan	
18	Baby Paint Roller 4" Foam with pan	
19	Blind Revits 1/8 x 1/2	
20	Body Filler with Hardener	
21	Brass Gate Valve 1/2in	
22	Brass Gate Valve 3/4in	
23	Clear Glass 1.0m x 2.06m x 3/8in thk	
24	Concrete Nails 1 1/2"	
25	Concrete Nails 3"	
26	Concrete Nails 4"	
27	Concrete Primer, White	
28	Contact Cement Rugby	
29	Crushed Gravel 3/4	
30	Cut-Off Wheel Blade 14"	
31	Cutting Disc 4" x .040" x 5/8"	
32	CW Nails # 2 1/2	
33	CW Nails # 3	
34	CW Nails # 4	
35	Deformed Bars 10mm dia. x 6m G33	
36	Deformed Bars 12mm dia. x 6m G33	
37	Diamond Cutter #4 (wet/dry, 4"/105 x 20/2.0mm)	
38	Door Deadbolt set	

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39	Door Knob Entrance Lockset Cylindrical Stainless Finish (Heavy Duty)	
40	Elastomeric Waterproofing Paint (Color: White)	
41	EPOXY PRIMER REDUCER	
42	EPOXY PRIMER, WHITE	
43	Eslon Blue coupling 3/4	
44	Eslon Blue Elbow 1/2 x 90° Plain	
45	Eslon Blue Elbow 3/4 x 90° plain	
46	Eslon Blue female connection 1/2	
47	Eslon Blue female connection 3/4	
48	Eslon Blue male connection 1/2	
49	Eslon Blue male connection 3/4	
50	Eslon Blue Pipe 3/4 S1000	
51	Eslon Blue Tee 3/4	
52	Expansion Bolt with Shield 1/4 x 2in	
53	FICEM Board 4.5mm thk x 4"x 8"	
54	FICEM Board 6mm thk x 4"x 8"	
55	FICEM Facia Board (Pre-cut Senepa) 243.84 cm × 25.4 cm × 0.9 cm THK	
56	Finishing Nails # 1	
57	Finishing Nails # 1 1/2	
58	Finishing Nails # 2	
59	Finishing Nails # 3	
60	Flat Latex (Premium) Color: Light Gray, (see attached sample)	
61	Flat Latex (Premium) Color: White, (see attached sample)	
62	Float Switch	
63	Float Valve 1"	
64	Float Valve 1/2" PN20	
65	Galvanised Scaffolding Plank catwalk with Hook 1200mm Length x 480mm Width x 1.5mm Thick	
66	Galvanized Bushing Reducer 2in x 1/2 in	
67	Gi bell reducer 2 1/2 x 1 1/2	

68	Gi bushing Reducer 2 x 1 1/2	
69	GI C Purlins 2in x 3in x 6m x 1.5mm THK	
70	GI C Purlins 2in x 6in x 6m x 1.5mm THK	
71	GI Elbow 1 x 90°	
72	GI Nipple 1 1/2 x 6	
73	GI Nipple 1 x 2	
74	Gooseneck Lavatory Faucet (short)	
75	HCG Tank Fittings, (see attached sample)	
76	Heavy Duty Gun Tacker Wires T50	
77	Lacquer Thinner	
78	Lavatory Faucet (T-Handle)	
79	Long Span Rib Type Pre-painted Roof: Color White 1.11m x 10.0m x .4mm thk	
80	Long Span Rib Type Pre-painted Roof: Color White 1.11m x 5.0m x .4mm thk	
81	Long Span Rib Type Pre-painted Roof: Color White 1.11m x 6.0m x .4mm thk	
82	Long Span Rib Type Pre-painted Roof: Color White 1.11m x 6.7m x .4mm thk	
83	Loose Pin Hinges 3 1/2" x 3 1/2" x 3mm thk	
84	Marine Plywood 1/2" thk x 4" x 8'	
85	Marine Plywood 1/4" thk x 4" x 8'	
86	Marine Plywood 3/4" thk x 4" x 8'	
87	Masking Tape 1"	
88	Masonry Drill Bit set (3/16, 1/4, 5/16, 3/8, 1/2 & 5/8), heavy duty	
89	Metal Furring	
90	Metal Screw 1/8" x 1/2" (1000pcs/box)	
91	Metal Studs 2in x 3in x 10ft	
92	Metal Track 2in x 3in x 10ft	
93	Nylon String #45 (Tansi)	
94	Paint Roller # 7 Cotton w/ Pan	
95	Paint Roller # 7 Foam w/ Pan	
96	Paint Brush # 1 1/2"	

97	Paint Brush # 1"	
98	Paint Brush # 2"	
99	Paint Brush # 4"	
100	Paint Brush 2 1/2"	
101	Paint Thinner	
102	Paver blocks (for parking areas)	
103	Phenolic Board 3/4in THK x 4ft x 8ft	
104	Pneumatic Concealed Hinges (Full)	
105	Pneumatic Concealed Hinges (Half)	
106	Polyethelyne (PE) Coupling 1/2in ISO	
107	Polyethelyne (PE) Coupling 3/4in ISO	
108	Polyethelyne (PE) Pipe 1/2in ISO SDR17	
109	Polyethelyne (PE) Pipe 3/4in ISO SDR17	
110	Portland Cement	
111	Pre Painted Ridge Roll Color White 0.3m x2.4m x 0.4mm thk	
112	Pre Painted Spanish Gutter Color White 18in x 2.4m x 0.4mm thk	
113	Premium Semi-Gloss Latex (Color: Blue), (see attached sample)	
114	Premium Semi-Gloss Latex (Color: Off White) (see attached sample)	
115	Premium Semi-Gloss Latex (Color: Yellow) (see attached sample)	
116	Putty Knife 4in	
117	PVC Pipe 3"Ø x 3m S1000	
118	Roofing End Flashing 0.4mm THK x 2.4m	
119	Rubber Mallet 16 oz	
120	Sand Paper # 120	
121	Sand Paper # 80	
122	Self Drilling Black Screw 1 1/2in	
123	Silicon Sealant	
124	Skimcoat, Color: white, 25kg per bag	



125	Solid Adjustable Base Jack for Scaffoldings Screw rod 30x600mm Base plate 120x120x5mm	
126	Solid Adjustable U-Head Jack for Scaffoldings Screw rod 30x600mm Base plate 120x120x5mm	
127	Solignum Wood preservative	
128	Solvent Cement 400cc	
129	Steel Narrow (large size)	
130	Teflon Tape 3/4	
131	Tek Screw 3in	
132	Tile Adhesive	
133	Tile Grout 2kgs/pack	
134	Twisted White Cotton Rope 5/8in	
135	Urinal with Flush Valve 363 x 270 x 580 mml with complete accessories- Royal Tern or any equivalent, Color : White	
136	Wall Angle 25mm x 25mm x .5mm thk	
137	Washed Sand	
138	Waste Rug	
139	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	
140	Welding Rod 6011x1/8	
141	Wood Screw 1/8" x 1/2" (1000pcs/box)	