

# 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  |
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|          |  | <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> |
| 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        | Concrete Nails 1 1/2"                            |  |
| 5        | Concrete Nails 2"                                |  |
| 6        | Finishing Nails #1 1/2                           |  |
| 7        | FICEM Board 4.5mm thk x 4"x 8"                   |  |
| 8        | FICEM Board 6mm thk x 4"x 8"                     |  |

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| 9  | 3/4 X 3/16 Ficem Screw (1000pcs/box)                                 |  |
| 10 | Cutting Disc 4" x .040" x 5/8" (Metal)                               |  |
| 11 | Cutting Disc 4" x .040" x 5/8" (Masonry)                             |  |
| 12 | Flat Latex (Premium) Color: White                                    |  |
| 13 | Premium Semi-Gloss Latex, Color: White                               |  |
| 14 | Door Knob Entrance Lockset Cylindrical Stainless Finish (Heavy Duty) |  |
| 15 | Sand Paper #36   |  |
| 16 | Sand Paper #100  |  |
| 17 | Sand Paper #120  |  |
| 18 | Epoxy Reducer  |  |
| 19 | Lacquer Primer   |  |
| 20 | Lacquer Thinner  |  |
| 21 | Lacquer Sanding Sealer   |  |
| 22 | Lacquer Flo  |  |
| 23 | Acrylic Thinner  |  |
| 24 | Screw Bit  |  |
| 25 | 1/8" Metal Drill Bit   |  |
| 26 | 9/64" Metal Drill Bit  |  |
| 27 | Clear Gloss Lacquer  |  |
| 28 | Dead Flat Lacquer  |  |

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| 29 | All Around Elastometric Water Proofing Sealant         |  |
| 30 | Portland Cement  |  |
| 31 | Concrete Epoxy A                                       |  |
| 32 | Concrete Epoxy B                                       |  |
| 33 | Tile Adhesive (Powder Base, to be mixed with Concrete) |  |
| 34 | Tile Grout 2kgs/pack                                   |  |
| 35 | Expansion Bolt with Shield 3/4 x 2in                   |  |
| 36 | Silicon Sealant clear                                  |  |
| 37 | Acrylic Gap Sealant Paintable                          |  |
| 38 | Whole Saw for Metal (12mm – 100mm)                     |  |
| 39 | Hacksaw Blade  |  |
| 40 | Paint Brush 1"   |  |
| 41 | Paint Brush 2"   |  |
| 42 | Paint Brush 3"   |  |
| 43 | Paint Brush 4"   |  |
| 44 | Pneumatic Concealed Hinges (Full)                      |  |
| 45 | Pneumatic Concealed Hinges (Half)                      |  |
| 46 | Wood Preservative for Termites/Insects                 |  |
| 47 | Elastomeric Waterproofing Paint (Color: White)         |  |
| 48 | 1" x 1" x 8" Lumber S4S                                |  |

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| 49 | 1" x 2" x 8" Lumber S4S                                    |  |
| 50 | 2" x 2" x 8" Lumber S4S                                    |  |
| 51 | 2" x 3" x 8" Lumber S4S                                    |  |
| 52 | Crushed Gravel 3/4   |  |
| 53 | Washed Sand  |  |
| 54 | Deformed Bars 12mm dia. x 6m G33                           |  |
| 55 | Deformed Bars 10mm dia. x 6m G33                           |  |
| 56 | #16 Tie Wire   |  |
| 57 | Pre Painted Ridge Roll Color White 0.3m x 2.4m x 0.5mm thk |  |
| 58 | GI C Purlins 2in x 3in x 6m x 1.5mm THK                    |  |
| 59 | Pre Painted Roof Color White 12' x 0.4mm thk               |  |
| 60 | Roofing End Flashing 0.4mm THK x 2.4m                      |  |
| 61 | Teks Screw Adapter (8mm)                                   |  |
| 62 | Metal Studs 2in x 3in x 10ft (2" x 3" x 10ft)              |  |
| 63 | Metal Track 2in x 3in x 10ft (2" x 3" x 10ft)              |  |
| 64 | 60cm x 60cm Granite Tiles White                            |  |
| 65 | Baby Paint Roller 4" Cotton                                |  |
| 66 | Baby Paint Roller 4" Foam                                  |  |
| 67 | Hand Riveter   |  |
| 68 | Studs Plier Nailless Crimper single                        |  |

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| 69 | Loose Pin Hinges 3 1/2" x 3 1/2" x 3mm thk                        |  |
| 70 | Heavy Duty, Brass, Loose Pin Hinges 3" x 3" x 3mm thk.            |  |
| 71 | Heavy duty, Brass, Loose Pin Hinges 4" x 4" x 3mm thk.            |  |
| 72 | 600 mm PVC Panel Door (without door jamb, Color : Chestnut Brown) |  |
| 73 | Blind Revits 1/8 x 1/2  |  |
| 74 | Slotted Steel Angle Bar 1 1/2 x 1 1/2 x 8" (Thick 1.8mm)          |  |
| 75 | Slotted Steel Angle Bar Bolt & Nut                                |  |
| 76 | Welding Rod #12   |  |
| 77 | Water Plug (1 liter)  |  |
| 78 | Welding Glove   |  |
| 79 | Gypsum Screw for Wood #1 1/2                                      |  |
| 80 | Gypsum Screw for Wood #1  |  |
| 81 | Gypsum Screw for Wood #2  |  |
| 82 | Gypsum Screw for Wood #3  |  |
| 83 | Gypsum Screw for Metal #1   |  |
| 84 | Gypsum Screw for Metal #2   |  |
| 85 | Gypsum Screw for Metal #3   |  |
| 86 | T-Nails #1  |  |
| 87 | Cabinet Handle  |  |
| 88 | Masking Tape #1"  |  |

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| 89  | Masking Tape #2"                                 |  |
| 90  | Rugby  |  |
| 91  | Glass Cutter                                     |  |
| 92  | Liquid Tile Adhesive                             |  |
| 93  | Paint Thinner                                    |  |
| 94  | Masonry Bit Set                                  |  |
| 95  | Wood Bit Set                                     |  |
| 96  | Padlock, 40MM Padlock with Latch Hasp Heavy Duty |  |
| 98  | Hardy Screw #1 (Fiber Cement Board Screw 1")     |  |
| 99  | 3/8" x 12" Wooden Dowel Rods                     |  |
| 100 | Push/flush Valve 1/2" brass chrome (Urinal)      |  |
| 101 | Tapelon Tape Seal 3/4 "                          |  |
| 102 | Waterstop Wet and Dry Sealant (200ml)            |  |
| 103 | Tee 2"Ø x 2"Ø                                    |  |
| 104 | Wye Tee 2"Ø x 2"Ø                                |  |
| 105 | PVC Pipe Elbow 3"Ø 90 deg                        |  |
| 106 | PVC Pipe Elbow 2"Ø 90 deg                        |  |
| 107 | PVC Pipe Elbow 4"Ø 90 deg                        |  |
| 108 | PVC Pipe 4"Ø x 3m S1000                          |  |
| 109 | PVC Pipe 3"Ø x 3m S1000                          |  |

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| 110                               | PVC Pipe 2"Ø x 3m S100   |  |
| 111                               | Water Closet (CS 1316 SF TL 660 x 385 x 705 mm with Single Flush Trip Lever) with complete accessories, Color: White |  |
| 112                               | PE Connector 3/4 (Male with Thread)  |  |
| 113                               | PE Connector 1/2 (Male with Thread)  |  |
| 114                               | PE Connector 1/2 (Female with Thread)  |  |
| 115                               | PE Connector 3/4 (Female with Thread)  |  |
| 116                               | Stainless Faucet Plain Bib   |  |
| 117                               | Stainless Flexible Hose 1/2 x 1/2 x 12"  |  |
| 118                               | Stainless Flexible Hose 1/2 x 1/2 x 18"  |  |
| 119                               | Gooseneck Lavatory Faucet (short)  |  |
| 120                               | Stainless Lavatory Faucet Single Cold  |  |
| 121                               | Stainless Sink 60cm x 45cm   |  |
| 122                               | Angle Valve 1/2 x 1/2  |  |
| 123                               | PE Connector Female  |  |
| 124                               | Gate Valve 1/2   |  |
| 125                               | Liquid Declogger Heavy Duty for Sink and Drain   |  |
| <b>***** Nothing Follows*****</b> |  |  |