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	Specification	Statement of Compliance
		[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.]
1	ABC's of Journaling, 2018, Sy	
2	MASS COMMUNICATION, 3G	
	E Learning	
3	3G Handy Guide: Dramatics w/	
<u> </u>	DVD, 2020, 3G E Learning	
4	Writing and Editing for Digital Media, 4e, 2020, Carroll	
5	Using Film to Understand	•
	Childhood and Practice, 2018,	
	Aitken	
6	Careers in Digital Media. 2020,	
	Tucker	<u> </u>

7	Digital Media Ethics, 3e, 2020, Ess	
8	3G Handy Guide: Film Direction w/ DVD, 2020, 3G E Learning	
9	Applied Communication	
"	Research Methods: Getting	
	Started as A Researcher, 2nd,	
	2020, Michael Boyle	
10	Audio and Video Editing:	
'0	Professional Techniques, 2020,	.
	Boyle	
11	Broadcast Journalism, 2020,	··· - · ·
''	Conley	
12	Ethics and Journalism: Principles	
12	for the 21st Century, 2020,	
	Martinez	
13	Multimedia Processing and	· · · · · · · · · · · · · · · · · · ·
, ,,	Communications: Audio and	
	Video, pb, Ophelia Saunders	
14	Future for Publis Service	
	Television, A, 2018, Freedman	
15	Introduction to Communication	
'-	Media w/ DVD, 2020, 3G	
	E Learning	
16	First Aid at Sea,7e,rb, Justins	
	Berry	
17	Fixed Offshore Platforms:	
	Structural Design for Fire	
	Resistance, hb, Mavis Okyere	
18	International Safety Management	· <u>-</u>
Į.	(ISM) Code with Guidelines for	
1	its IMO Implementation, 2018	
	Edition - ID117E,,pb, IMO	
19	Seapower: A Guide for the	
	Twenty-First Century, 4e, pb,	
	Geoffrey Till	
20	Symbols related to Escape Route	
	Signs & Equipment Location	
	Markings -2018 IMO Edition -	
	1988E (Poster), Poster, IMO	
21	Symbols related to Life-Saving	
	Appliances and Arrangements,	
	2018 Edition - IMO IC981E	
	(Poster),,Poster, IMO	
22	Electrical Engineering: An	
	Introduction.,pb, Max Kirby	<u> </u>
		

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23	Fundamentals of Electric	1
	Circuits,,pb, 3G E-Learning	
24	Fluid Mechanics : Fundamentals	
	& Applications, SI,4e,pb, Yunus	
	Cenge	
25	HVAC and Refrigeration Systems	
	with DVD,2e,pb, 3G E-Leanting	
26	Modern Weilding,,pb, Summer	
	Conroy	
27	Principles of Heat and Mass	·
	Transfer,,pb, Annika Brayan	
28	Principles of	-
_0	Thermodynamics,,pb, Henry	
	Medina	
29	Strength of Materials with	
	DVD,2e,pb, Summer Conroy	
30	Structural and Stress	
30	Analysis,4e,pb, T.H.G. Megson	
31	Vector Mechanics for Engineers :	<u>-</u>
1 1	Statics, 12e, pb, Beer Johnston	
32	VECTOR MECHANICS FOR	
32	ENGINEERS: DYNAMICS,	
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	SI,12e,pb, Beer Johnston Construction Risk in Coastal and	<u>-</u>
33	1	
	Maritime Engineering, Kumar	
34	Fatigue Analysis of Ship	
L	Structures, Gupta	<u> </u>
35	Marine Cargo Operations, Sharma	<u>-</u>
36	Ship and Operation Management,	
L	Kumar	<u>. </u>
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	MAKING, GREG MAYHEW	<u> </u>
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	Intermediate, (w/ DVD), 2c, 2018,	
	3G E-Learning	
39	Becoming a HVAC Technician: A	
	Professional Guidepb Sam	
	Harrington	
40	3G Handy Guide: Electrician,	
ļ _	2019, 3G E Learning	
41	3G Handy guide: Consumer	
	Electronics & IT Hardware with	
	DVD, 3G E Learning	
42	AC/DC principles with DVD, 3G	
"-	E Learning	
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	Test and tes	
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	Electromechanical Systems:	·
	Application and Control, Richard	
	Crowder	
44	Electric power Distribution Line	
	Construction: Intermediate with	
	DVD, 3G E-Learning	
45	Electrical Installation and	
"-	Maintenance, 3G E-Learning	
46	Electrician Advanced Course,	<u> </u>
40	Scott Gonzales	
47	Power Electronics with	** ***********************************
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45	MATLAB, Kumar	
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	Systems, Darren Erickson	
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	Sterling	
50	Algebra : The Basic of	
<u> </u>	Mathematics, Burke	
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52	Differential Equations, Lynch	
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	Learning	
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	Learning	
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	Step, 2e, Wheater	
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	Dummies, Ryan	
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50	World, 2e, 3G E-Learning	
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	Learning Barrious and	
60	Trigonometry: Review and	
	Workbook, Clark	1
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62	Clear English Pronunciation: A	
1	Practical Guide , 2020, Dick	
	Smakman	
63	College Writing Skills W/	
•	Readings , 10e, 2019, Langan	
64	Communication Research, 5e,	
	2019, Keyton	

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	, 2020, Hose	
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	Linguistics, The, 2020, Chapelle	
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L	Transitions, 2018, Zhang	
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	Testing in Asia, 2020, Su	
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	Sin Limites, 3e, 2020, Amores	
71	Invitation to Public Speaking, 6e,	
	2018, Griffin	
72	Language and Power, 2019,	
	Simpson	ļ
73	Oral Communication w/ DVD, 3e,	
	2020, 3G E- Learning]
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	Responsibility, 3e, 2020, Keith	
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	Grammar, 7e, 2020, Schmitt	
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	Science: Environmental	
	Change, 2020, 3G E- Learning	
77	3GE Collection on Physics &	
1	Chemistry: Environmental	
	Toxicology, 2020, 3G E-	
i	Learning	
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	Introduction, 2020, Dean	
79	Earth and Life Science w/ DVD,	· · · · · · · · · · · · · · · · · · ·
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	2020. Cooke	
82	Fundamentals of Hydrology,	
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1	Science, 9e, 2020, Cunningham	
84	Principles of Geology, 2020,	
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85	Soil Chemistry, 5e, 2020, Strawn	(-
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87 Contemporary Choreography, 2e, 2018, Butterworth 88 Nutrition For Sport And Exercise, 4e, 2019, Dunford 89 Physical Education and Development, 2020, Wagan 90 Physical Education and Health w/ DVD, 3e, 2020, 3G E- Learning 91 Physical Education, Exercise Science and Sport, 2020, Owens 92 Sport Communication, 2018, Onwumechili 93 Sports Playbook, The, 2018,
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88 Nutrition For Sport And Exercise, 4e, 2019, Dunford 89 Physical Education and Development, 2020, Wagan 90 Physical Education and Health w/ DVD, 3e, 2020, 3G E- Learning 91 Physical Education, Exercise Science and Sport, 2020, Owens 92 Sport Communication, 2018, Onwumechili 93 Sports Playbook, The, 2018,
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89 Physical Education and Development, 2020, Wagan 90 Physical Education and Health w/ DVD, 3e, 2020, 3G E- Learning 91 Physical Education, Exercise Science and Sport, 2020, Owens 92 Sport Communication, 2018, Onwumechili 93 Sports Playbook, The, 2018,
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90 Physical Education and Health w/DVD, 3e, 2020, 3G E- Learning 91 Physical Education, Exercise Science and Sport, 2020, Owens 92 Sport Communication, 2018, Onwumechili 93 Sports Playbook, The, 2018,
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91 Physical Education, Exercise Science and Sport, 2020, Owens 92 Sport Communication, 2018, Onwumechili 93 Sports Playbook, The, 2018,
Science and Sport, 2020, Owens 92 Sport Communication, 2018, Onwumechili 93 Sports Playbook, The, 2018,
92 Sport Communication, 2018, Onwumechili 93 Sports Playbook, The, 2018,
Onwumechili 93 Sports Playbook, The, 2018,
93 Sports Playbook, The, 2018,
Gordon
94 Sports Coaching: A Threoretical
and Practical Guide, 2020, Cope
95 Testing and Evaluation of
Strenght and Power, 2020, Mike
Meguigan
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GODDARD
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F.BECKMAN
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	Education, pb, Aria Kramer	
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	Application to Fitness &	
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	MACHINE COMPONENT	
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