



**BID BULLETIN NO. 2**  
**OCTOBER 8, 2019**

**PUBLIC BIDDING NO. 19-294-2**

**SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF  
 NEW FIRE SPRINKLER AND FIRE DETECTION & ALARM SYSTEM FOR  
 THE OFFICE OF THE SOLICITOR GENERAL**

Issued pursuant to Sec. 22.5 of the IRR of R.A. 9184 to clarify and/or amend<sup>1</sup> certain provisions in the Bidding Documents issued for this project, considering the issues raised and clarifications made by prospective bidders during the **Pre-Bid Conference** held on **1 October 2019**.

**I. AMENDMENTS**

**A. BID DATA SHEET**

REFERENCE/AMENDMENT		JUSTIFICATION/EXPLANATION
9.1	The Procuring <del>Agent</del> <u>Entity</u> will hold a pre-bid conference for this Project on <b>October 1, 2019; 2:00 PM</b> at PS Conference Room, PS Complex, RR Road, Cristobal St., Paco, Manila.	To correct the title of procurement as to whom will conduct and facilitate the BAC activity.
10.1	The Procuring <del>Agent's</del> <u>(Entity/s)</u> address is:  PROCUREMENT SERVICE PS Complex RR Road, DBM Compound, Cristobal Street, Paco, Manila 689-7750 loc. 4031 or 563-9404	
28.3 (a)	<del>Partial bids are allowed. All Goods are grouped in lots listed below. Bidders shall have the option of submitting a proposal on any or all lots and evaluation and contract award will be undertaken on a per lot basis. Lots shall not be divided further into sub-lots for the purpose of bidding, evaluation, and contract award.</del>  <u>Partial bid is not allowed. The goods are grouped in a single lot and the lot shall not be divided into sub-lots for the purpose of bidding, evaluation, and contract award.</u>  xxx	To correct the provision appropriate for the project.

**B. SPECIAL CONDITIONS OF CONTRACT**

REFERENCE/AMENDMENT		JUSTIFICATION/EXPLANATION
<b>GCC Clause</b>		Provisions ix – xi is not appropriate for the project it is

<sup>1</sup>For the purpose of this Bulletin and for better understanding of its contents, the following rules shall apply: (a) ~~Public Strike out~~ – denotes deletion; (b) Underline – denotes inclusion of new item/requirements; and "xxx" denotes separation of phrase/s being amended from the rest of the main text.  
 RR. Road, Cristobal St., PS Complex, DBM Compound, Cristobal Street, San Miguel, Manila  
[www.philgeps.gov.ph](http://www.philgeps.gov.ph)  
 (02) 689 7750

6.2	<b>Delivery and Documents –</b>  xxx  (viii) Four copies of the Invoice Receipt for Property signed by the Procuring Entity's representative at the Project Site.  <del>(ix) Official Receipt for the registration of the motor vehicle;</del>  <del>(x) Certification for the Registration of the motor vehicle; and</del>  <del>(xi) Plate Number (in lieu of the non-availability of the Plate Number from LTO, the bidder may issue a sworn commitment/undertaking that they will deliver the plate number upon availability to cover the additional 1% retention for this item). To be reflected on the Purchase Order/Contract.</del>  xxx	intended for the motor vehicle.
10.4	<del>Not applicable.</del> No Further Instructions.	

**C. SCHEDULE OF REQUIREMENTS**

REFERENCE/AMENDMENT			JUSTIFICATION/ EXPLANATION
Lot No.	Item/Description	Delivery period	
1	<b>Supply, Delivery, Installation, and Commissioning of New Fire Sprinkler and Fire Detection &amp; Alarm System for the Eleven Storey Building of the OSG</b>	Within Three Hundred Sixty Five (365) calendar days from the date indicated in receipt of the Notice to Proceed.	<b>To correct the appropriate wordings, grammar correction.</b>

**D. TECHNICAL SPECIFICATION**

REFERENCE/AMENDMENT			JUSTIFICATION/ EXPLANATION
AGENCY SPECIFICATIONS	QTY	BIDDER'S STATEMENT OF COMPLIANCE	
"Complies with the minimum requirements."	Brand and Model:		<b>Please see the revised attachment</b>
<b>Item No. 1. Fire Sprinkler System</b>			
<b>I. Sprinkler Head;</b>			
<ul style="list-style-type: none"> <li>• Upright type</li> <li>• Miscellaneous /</li> </ul>	59 set  11 lot		

<p><b>Consumables</b> (Teflon Tapes, Poly Pipe Clamps, Primer Paint, <del>Epoxy All</del> <u>Purpose</u> <u>Structural</u> <u>Adhesive A &amp; B</u> <del>regular</del>)</p>			
xxx			
<b>Item No. 2.</b>			
<b>Fire Detection and Alarm System</b>			
<b>A. FDAS Equipment and Devices</b>			
j. Miscellaneous and Consumables	<del>1 lot</del>		
<ul style="list-style-type: none"> <li><del>Epoxy A&amp;B</del> (Pioneer) regular <u>All Purpose</u> <u>Structural</u> <u>Adhesive</u></li> </ul>	<del>1 gal</del>		
<ul style="list-style-type: none"> <li>Tox w/ screw #8</li> </ul>	<del>1 box</del>		
<ul style="list-style-type: none"> <li>PVC Solvent Cement, 400cc</li> </ul>	<del>15 cans</del>		
<ul style="list-style-type: none"> <li>G.I. Wire ga.#16</li> </ul>	<del>5 rolls</del>		
<ul style="list-style-type: none"> <li>Hacksaw Blade</li> </ul>	<del>30 pes</del>		
<ul style="list-style-type: none"> <li>Epoxy primer gray w/ catalyst</li> </ul>	<del>2 gals</del>		
<ul style="list-style-type: none"> <li>Concrete nail 4"</li> </ul>	<del>30 kilos</del>		
<ul style="list-style-type: none"> <li>Grinding Disk 4"</li> </ul>	<del>15 pes</del>		
<ul style="list-style-type: none"> <li>Diamond Cutting Disk 4"</li> </ul>	<del>20 pes</del>		
<ul style="list-style-type: none"> <li>SDS Plus Drill Bit (8mm)</li> </ul>	<del>10 pes</del>		
<ul style="list-style-type: none"> <li>Dormer Drill Bit, 1/8"</li> </ul>	<del>10 pes</del>		
<ul style="list-style-type: none"> <li>Dormer Drill Bit, 3/16"</li> </ul>	<del>10 pes</del>		
<ul style="list-style-type: none"> <li>Metal Screw, 10" x 1 1/2"</li> </ul>	<del>100 pes</del>		
<b>B. Materials for Roughing-ins Conduits and Raceways</b>			
xxx			
h. Supporting Materials	1 lot		
<ul style="list-style-type: none"> <li>Angle Bar, 1 1/2" x 1 1/2" x 1/8" x 6mtrs.</li> </ul>	<del>10 pes</del>		
<ul style="list-style-type: none"> <li>Full Thread Round Bar, 3/8"</li> </ul>	<del>10 pes</del>		

**Please see the revised attachment**

x 6mtrs.			
• Flat Bar, 1" x 3/16" x 6mtrs.	<del>5 pes</del>		
• Dynabolt, 1/4"Ø x 1 1/2"	<del>100 pes</del>		
• Bolts, Nuts, Washers, 3/8"Ø x 1 1/2"	<del>100 pes</del>		
<b>i. Painting Works</b>	<b>1 lot</b>		
• QDE Paint (white)	<del>1 gal</del>		
• QDE Paint gray (medium)	<del>3 gals</del>		
• Lacquer Thinner (Puree)	<del>2 gals</del>		
• Paint Brush 2"	<del>20 pes</del>		
<b>j. Miscellaneous items</b>	<b>1 lot</b>		
• G.I. Wire ga.#16	<del>10 rolls</del>		
• Hacksaw Blade	<del>20 pes</del>		
• Diamond Cutting Disk 4"	<del>10 pes</del>		
• SDS Plus Drill Bit (8mm)	<del>5 pes</del>		
• Dormer Drill Bit, 1/8"	<del>5 pes</del>		
• Dormer Drill Bit, 3/16"	<del>5 pes</del>		
<b>C. Wires and Cables</b>			
a. STP Wire AWG # 16, 2C	<b>2922 LM</b>		
b. TF, 2.0 mm <sup>2</sup> 2C	<b>560 LM</b>		
<b>c. Wiring Accessories</b>	<b>1 lot</b>		
• Electrical Tape	<del>30 pes</del>		
• Plastic Cable Tie # 8	<del>2 pek</del>		
• Masking Tape, 3/4"	<del>10 pes</del>		
<b>D. Labor</b>			

**Please see the revised attachment**

REFERENCE/AMENDMENT	JUSTIFICATION/EXPLANATION
SCOPE OF WORK	

<p><b>VI. DELIVERY SCHEDULE</b></p> <p>1. xxx</p> <p><del>2. Delivery Period for Materials:</del></p> <p><del>2.1. Imported materials Eight to twelve (8-12) weeks upon receipt of the down payment.</del></p> <p><del>2.2. Local materials One to two (1-2) weeks from the receipt of the down payment.</del></p> <p>2. Schedule of Works by the Contractor: xxx</p>	<p><b>To eliminate confusion that may arise with regards to downpayment. We maintains the GCC Clause 11.3 of this Bidding documents.</b></p>
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**E. BIDDING FORMS**

REFERENCE/AMENDMENT						JUSTIFICATION/EXPLANATION
BILL OF QUANTITIES						
Lot No.	Item No.	Item Description	QTY	Unit Price	Total Price	
<b>1</b>	<b>2</b>	<b>A. FDAS Equipment and Devices</b>				<b>Please refer to the attached revised form.</b>
		j. Miscellaneous and Consumables	<b>1 lot</b>			
		• <del>Epoxy A&amp;B (Pioneer) All Purpose Structural Adhesive regular;</del>	<del>1 gal</del>			
		• Tox w/ screw #8	<del>1 box</del>			
		• PVC Solvent Cement, 400cc	<del>15 cans</del>			
		• G.I. Wire ga. # 16	<del>5 rolls</del>			
		• Hacksaw Blade	<del>30 pcs</del>			
		• <del>Epoxy primer gray w/ catalyst</del>	<del>2 gals</del>			
		• Concrete nail 4"	<del>30 kilos</del>			
		• Grinding Disk 4"	<del>15 pcs</del>			
		• Diamond Cutting Disk 4"	<del>20 pcs</del>			
		• SDS Plus Drill Bit (8mm)	<del>10 pcs</del>			
		• Dormer Drill Bit, 1/8"	<del>10 pcs</del>			
		• Dormer Drill Bit, 3/16"	<del>10 pcs</del>			
		• Metal Screw, 10" x 1 1/2"	<del>100 pcs</del>			
		<b>B. Materials for Roughing-ins Conduits and Raceways</b>				

	<b>h. Supporting Materials</b>	<b>1 lot</b>			
	• Angle Bar, 1 1/2" x 1 1/2" x 1/8" x 6mtrs.	<del>10</del> <b>pcs</b>			
	• Full Thread Round Bar, 3/8" x 6mtrs.	<del>10</del> <b>pcs</b>			
	• Flat Bar, 1" x 3/16" x 6mtrs.	<del>5</del> <b>pcs</b>			
	• Dynabolt, 1/4"Ø x 1 1/2"	<del>100</del> <b>pcs</b>			
	• Bolts, Nuts, Washers, 3/8"Ø x 1 1/2"	<del>100</del> <b>pcs</b>			
	<b>i. Painting Works</b>	<b>1 lot</b>			
	• QDE Paint (white)	<del>1</del> <b>gal</b>			
	• QDE Paint gray (medium)	<del>3</del> <b>gals</b>			
	• Lacquer Thinner (Puree)	<del>2</del> <b>gals</b>			
	• Paint Brush 2"	<del>20</del> <b>pcs</b>			
	<b>j. Miscellaneous items</b>	<b>1 lot</b>			
	• G.I. Wire ga.#16	<del>10</del> <b>rolls</b>			
	• Hacksaw Blade	<del>20</del> <b>pcs</b>			
	• Diamond Cutting Disk 4"	<del>10</del> <b>pcs</b>			
	• SDS Plus Drill Bit (8mm)	<del>5</del> <b>pcs</b>			
	• Dormer Drill Bit, 1/8"	<del>5</del> <b>pcs</b>			
	• Dormer Drill Bit, 3/16"	<del>5</del> <b>pcs</b>			
	<b>C. Wires and Cables</b>				
	a. STP Wire AWG # 16, 2C	<b>2922</b> <b>LM</b>			
	b. TF, 2.0 mm <sup>2</sup> 2C	<b>560</b> <b>LM</b>			
	<b>c. Wiring Accessories</b>	<b>1 lot</b>			
	• Electrical Tape	<del>30</del> <b>pcs</b>			
	• Plastic Cable Tie # 8	<del>2</del> <b>pek</b>			
	• Masking Tape, 3/4"	<del>10</del> <b>pcs</b>			

Please refer to the attached revised form.

The herein amendments form an integral part of the bidding documents. Correspondingly, all other provisions in the bidding documents affected by these amendments are similarly amended or modified.

**SGD**  
**Engr. MANUEL S. AVILA**  
Chairperson, BAC II

8.1	Subcontracting is not allowed.
8.2	Not applicable.
9.1	The Procuring <b>Entity</b> will hold a pre-bid conference for this Project on <b>October 1, 2019; 2:00 PM</b> at PS Conference Room, PS Complex, RR Road, Cristobal St., Paco, Manila.
10.1	The Procuring <b>Entity</b> 's address is:  PROCUREMENT SERVICE PS Complex RR Road, DBM Compound, Cristobal Street, Paco, Manila 8-290-6300 or 8-290-6400
12.1(a)(i)	The valid PhilGEPS Certificate of Registration (Platinum Membership) shall reflect the updated eligibility documents. Should the Annex A of said Certificate reflects not updated document, the bidder shall submit together with the Certificate certified true copies of the updated documents.  Notwithstanding the above requirements, the bidder may opt to submit the following eligibility documents in lieu of the submission of the PhilGEPS Certificate of Registration (Platinum Membership):  <ul style="list-style-type: none"> <li>a. Business Registration;</li> <li>b. 2019 Mayor's Permit.</li> <li>c. 2018 Audited Financial Statement;</li> <li>d. Valid and current Tax Clearance;</li> </ul> In the latter case, the bidder shall submit a valid PhilGEPS Registration Certificate as part of post-qualification documents.
12.1(a)(ii)	The bidder's SLCC similar to the contract to be bid should have been completed within <b><u>10 years</u></b> prior to the deadline for the submission and receipt of bids.  The statement of all ongoing contracts and awarded but not yet started contracts which may or may not be similar to the project as of the day before the deadline of submission of bids.  Bidders shall submit separate statements for: (1) single largest similar completed contract/s; similar to the contract to be bid and (2) all on-going contracts and awarded but not yet started contracts.  Attached as Annexes "C" and "C-1" in Section VIII. Bidding Forms are the standard forms for this requirement including the instructions and guidelines in the accomplishment of said forms.
13.1	No additional requirements.
13.1(b)	No further instructions.
13.1(c)	No additional requirements.

28.3 (a)	<p><b>Grouping and Evaluation of Lots –</b></p> <p><b>Partial bid is not allowed. The goods are grouped in a single lot and the lot shall not be divided into sub-lots for the purpose of bidding, evaluation, and contract award.</b></p> <p>In all cases, the NFCC computation, if applicable, must be sufficient for all the lots or contracts to be awarded to the Bidder.</p> <table border="1" data-bbox="393 477 1303 651"> <thead> <tr> <th>Lot No.</th> <th>Item No.</th> <th>Item/Description</th> <th>Approved Budget for the Contract</th> </tr> </thead> <tbody> <tr> <td rowspan="2">1</td> <td>1</td> <td>New Fire Sprinkler System</td> <td rowspan="2">P 12,400,000.00</td> </tr> <tr> <td>2</td> <td>New Fire Detection &amp; Alarm System</td> </tr> </tbody> </table>	Lot No.	Item No.	Item/Description	Approved Budget for the Contract	1	1	New Fire Sprinkler System	P 12,400,000.00	2	New Fire Detection & Alarm System
Lot No.	Item No.	Item/Description	Approved Budget for the Contract								
1	1	New Fire Sprinkler System	P 12,400,000.00								
	2	New Fire Detection & Alarm System									
28.4	No further instructions.										
29.2	<p>No Licenses and permits required.</p> <p>For purposes of Post-qualification the following document(s) shall be required to be submitted within five (5) calendar days from receipt of notice from the BAC:</p> <ol style="list-style-type: none"> <li>1. Latest Income Tax Returns for the year 2018 (BIR Form 1701 or 1702); and</li> <li>2. Latest Value Added Tax Returns (Forms 2550M and 2550Q) or Percentage Tax Returns (Form 2551M), for the last six months.</li> </ol> <p>The income tax and business tax returns stated above should have been filed through the Electronic Filing and Payment System (eFPS).</p> <ol style="list-style-type: none"> <li>3. Proof of completion of the single largest contract as identified in the Statement of Single Largest Contract, which shall be copy of any verifiable document(s) such as but not limited to the following: (a) Contract/s or Purchase Order/s; (b) corresponding Sales Invoice/s; (c) Official Receipt/Cash Receipt/Collection Receipt; and (d) Certificate of Satisfactory Completion.</li> <li>4. Updated PhilGEPS Certificate of Registration (Platinum Membership), in the event that the PhilGEPS Certificate and the annexes submitted during Opening of Bids is not updated.</li> <li>5. Submission of verifiable documents of the actual items being offered.</li> </ol> <p><i>N.B. Documents submitted during post-qualification as part of post-qualification documents must be certified by the authorized representative to be true copy/ies from the original.</i></p>										
32.4(f)	No further instructions.										



**Delivery and Documents –**

For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:

*For Goods Supplied from Abroad,* The delivery terms applicable to the Contract are DDP delivered to the above project site. In accordance with INCOTERMS.

*For Goods Supplied from Within the Philippines,* The delivery terms applicable to this Contract are delivered to the above project site. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.”

Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Schedule of Requirements. The details of shipping and/or other documents to be furnished by the Supplier are as follows:

*For Goods supplied from within the Philippines:*

Upon delivery of the Goods to the Project Site, the Supplier shall notify the Procuring Entity and present the following documents to the Procuring Entity:

- (i) Original and four copies of the Supplier’s invoice showing Goods’ description, quantity, unit price, and total amount;
- (ii) Original and four copies delivery receipt/note, railway receipt, or truck receipt;
- (iii) Original Supplier’s factory inspection report;
- (iv) Original and four copies of the Manufacturer’s and/or Supplier’s warranty certificate;
- (v) Original and four copies of the certificate of origin (for imported Goods);
- (vi) Delivery receipt detailing number and description of items received signed by the authorized receiving personnel;
- (vii) Certificate of Acceptance/Inspection Report signed by the Procuring Entity’s representative at the Project Site; and
- (viii) Four copies of the Invoice Receipt for Property signed by the Procuring Entity’s representative at the Project Site.

*For Goods supplied from abroad:*

Upon shipment, the Supplier shall notify the Procuring Entity and the insurance company by cable the full details of the shipment, including Contract Number, description of the Goods, quantity,

# *Schedule of Requirements*

Lot No.	Item/Description	Delivery period
<b>1</b>	<b>Supply, Delivery, Installation, and Commissioning of New Fire Sprinkler and Fire Detection &amp; Alarm System for the Eleven Storey Building of the OSG</b>	<b>Within Three Hundred Sixty Five (365) calendar days from the date indicated in the Notice to Proceed.</b>

**I hereby commit to comply and delivery all the above requirements in accordance with the above-stated schedule.**

\_\_\_\_\_

Name of Company

\_\_\_\_\_

Signature Over Printed Name  
of Authorized Representative

\_\_\_\_\_

Date

# TECHNICAL SPECIFICATIONS

**LOT NO. 1: New Fire Sprinkler and Fire Detection & Alarm System for the Eleven Storey Building of the OSG**

**APPROVED BUDGET FOR THE CONTRACT: P 12,400,000.00**

AGENCY SPECIFICATIONS	QTY	BIDDER'S STATEMENT OF COMPLIANCE	ACTUAL OFFER
"Complies with the minimum requirements."	Brand and Model:		
<b>Item No. 1.</b>			
<b>Fire Sprinkler System</b>			
<b>A. Sprinkler Head and Package</b>			
<b>I. Sprinkler Head;</b>			
• Pendant Type w/ esc plate	524 set		
• Upright type	59 set		
• Miscellaneous / Consumables <i>(Teflon Tapes, Poly Pipe Clamps, Primer Paint, All Purpose Structural Adhesive)</i>	11 lot		
<b>II. Black Iron Pipe @ASTM 53,S-40</b>			
• 100 mm Ø	13 length		
• 80 mm Ø	9 length		
• 65 mm Ø	88 length		
• 50 mm Ø	4 length		
• 40 mm Ø	13 length		
• 32 mm Ø	13 length		
• 25 mm Ø	359 length		
<b>III. Black Iron Pipe Fittings S-40</b>			
<b>Elbow 90°</b>			
• 100 mm Ø welded type	14 pcs		
• 80 mm Ø welded type	22 pcs		
• 40 mm Ø welded type	22 pcs		
• 32 mm Ø welded type	40 pcs		
• 25 mm Ø welded type	1592 pcs		
<b>Riser Nipple</b>			
• 25 mm Ø x4"	225 pcs		
• 32 mm Ø x4"	18 pcs		
<b>Tee Equal</b>			
• 100 mm Ø welded type	4 pcs		
• 80 mm Ø welded type	11 pcs		
• 65 mm Ø welded type	32 pcs		
• 32 mm Ø welded type	12 pcs		
• 25 mm Ø welded type	406 pcs		
<b>Tee Reducer</b>			
• 100 x 80 x 100 mm Ø welded type	11 pcs		
• 100 x 65 x 100 mm Ø welded type	11 pcs		
• 32 x 25 x 32 mm Ø threaded type	24 pcs		
<b>Thread-o-let (Half Coupling)</b>			
• 25 mm Ø	47 pcs		
• 32 mm Ø	22 pcs		
• 40 mm Ø	11 pcs		
End Cap			

• 100 mm Ø welded type	2 pcs		
• 80 mm Ø welded type	2 pcs		
• 65 mm Ø welded type	41 pcs		
• 40 mm Ø threaded type	10 pcs		
<b>Male Plug</b>			
• 12 mm Ø threaded type	583 pcs		
<b>Coupling Reducer</b>			
• 80 mm x 65 mm Ø welded type	20 pcs		
• 65 mm x 50 mm Ø welded type	2 pcs		
• 65 mm x 40 mm Ø welded type	1 pc		
• 32 mm x 25 mm Ø threaded type	4 pcs		
• 25 mm x 12 mm Ø threaded type	583 pcs		
<b>IV. Dry and Wet Stand Pipe and General Flange</b>			
• 100 mm Ø	64 pcs		
• 80 mm Ø	22 pcs		
• 65 mm Ø	22 pcs		
• 100 mm Ø blind flange	1 pc		
• 1/4" x 100 mm Ø rubber gasket	32 pcs		
• 1/4" x 80 mm Ø rubber gasket	11 pcs		
• 1/4" x 65 mm Ø rubber gasket	11 pcs		
• 5/8" Ø x 3"L High tensil bolt and nut	344 pcs		
<b>Valves</b>			
• Check valve 100 mm Ø	2 sets		
• OS & Y Floor control Valve 800 mm Ø	11 sets		
• Fire Hose Valve 65 mm Ø w/ cap & chain	11 sets		
• Test Valve 25 mm Ø (Globe Valve)	22 sets		
<b>Accessories</b>			
• Slight Glass 25 mm Ø	11 sets		
• Supervisory Switch 80 mm Ø	11 sets		
• Water Flow Switch 80 mm Ø	11 sets		
• Fire Department Connection, Siamese Twin 2-65 mm Ø x 100 mm Ø	10 sets		
• 100 mm Ø B.I. pipes main riser	38 length		
• 50 mm Ø B.I. pipes main drain riser	38 length		
<b>Pipe Hangers and Accessories</b>			
• 100 mm Ø	32 sets		
• 80 mm Ø	22 sets		
• 65 mm Ø	257 sets		
• 50 mm Ø	5 sets		
• 40 mm Ø	33 sets		
• 32 mm Ø	33 sets		
• 25 mm Ø	1061 sets		
<b>Sway and Accessories</b>			
• Union Patente 25 mm Ø	22 pcs		
• 100 mm Ø	15 set		
• Painting of Piping	11 sets		
<b>B. Fire and Jockey Pump General Components with complete Control Accessories</b>			

<b>Fire pump with control and accessories:</b>			
• Fire pump, 500 GPM at 100 PSI, 75 Hp Electric motor at 3550 rpm, 230 VAC, 3 phase, 60 Hz	<b>1 unit</b>		
• Fire pump controller with pressure recorder, wye-delta type starter, NEMA 2 enclosure	<b>1 unit</b>		
<b>Jockey pump with complete control and accessories</b>			
• Jockey pump , 75 GPM at 115 psi, Vertical in-line, 7.5 Hp Electric motor a 3450 rpm, 230 VAC, 3 phase, 60 Hz with automatic controller	<b>1 unit</b>		
• Jockey pump controller with pressure recorder , wye-delta type starter, NEMA 12	<b>1 unit</b>		
• Pressure reducing valve 65 mm Ø	<b>4 sets</b>		
• Flexible connector 100 mm Ø	<b>1 set</b>		
• Waste cone 100 mm Ø	<b>1 set</b>		
• Volume meter 100 mm Ø Water meter	<b>1 set</b>		
• Alarm check valve 100 mm Ø	<b>1 set</b>		
• Water alarm gong	<b>1 set</b>		
• Sensing line system	<b>1 set</b>		
• Foot valve 100 mm Ø	<b>1 set</b>		
• OS & Y Valve 100 mm Ø	<b>1 set</b>		
• Water Pressure guage, 3" dial face, 0-300 psi	<b>3 sets</b>		
• Check valve 100 mm Ø	<b>1 set</b>		
<b>C. Fire Hose Cabinets and Package</b>			
<b>Fire Hose Cabinet and Package</b>			
Fire hose Cabinet size 27"x32" steel body construction, gauge # 18, full glass door with 1"x1" tubular:	<b>11 set</b>		
• Fire Hose 1-1/2" Ø x 100 ft single jacket			
• Angle valve 1-1/2" Ø			
• Nipple and locknut size 1-1/2" Ø			
• Straight nozzle 1-1/2" Ø			
• Hose rack			
• Handle, lock & key			
• Fire extinguisher ABC dry chemical type, 10lbs capacity			
<b>D. Miscellaneous and Consumables</b>	<b>1 lot</b>		
• Oxygen & Acetylene			
• Welding rod			
• Grinding wheel			
• Cutting wheel			
• Painting works			
• Teflon tape			
• Machine oils			
<b>E. Labor</b>			
• Labor for Mechanical Installation	<b>1 lot</b>		
• Labor for Dismantling	<b>1 lot</b>		
• Labor for Chipping	<b>1 lot</b>		
• Labor for Roughing-ins	<b>1 lot</b>		

• Labor for Restoration	1 lot		
<b>F. General Requirement</b>	1 lot		
• Mobilization and Demobilization			
• Scaffoldings			
• Safety Equipment			
• Temporary Facilities			
• Supervision Fees			
• As-Built Plans			
• Testing and Commissioning Cost			
• Permits			

**Item No. 2.**

**Fire Detection and Alarm System**

<b>A. FDAS Equipment and Devices</b>			
a. Fire Alarm Control Panel	1 Assy		
b. Fire Alarm Terminal Block	1 Assy		
c. Addressable Smoke Detector	147 pcs		
d. Addressable Heat Detector (Fixed Temperature)	1 pc		
e. FA Manual Pull Station	12 sets		
f. Strobe Light	12 sets		
g. FA Speaker Horn	12 sets		
h. Monitor/Interface module	11 sets		
i. Control Module	1 set		
j. Miscellaneous and Consumables	1 lot		
• All Purpose Structural Adhesive			
• Tox w/ screw #8			
• PVC Solvent Cement, 400cc			
• G.I. Wire ga.#16			
• Hacksaw Blade			
• Epoxy primer gray w/ catalyst			
• Concrete nail 4"			
• Grinding Disk 4"			
• Diamond Cutting Disk 4"			
• SDS Plus Drill Bit (8mm)			
• Dormer Drill Bit, 1/8"			
• Dormer Drill Bit, 3/16"			
• Metal Screw, 10" x 1 1/2"			
<b>B. Materials for Roughing-ins Conduits and Raceways</b>			
a. 15mmØ EMT Pipe	1328 LM		
b. 15mmØ FMC	296 LM		
c. 20mmØ EMT Pipe	266 LM		
d. G.I. Ga #16 junction box with cover	200 pcs		
e. G.I. Ga #16 square box	15 pcs		
f. G.I. Ga #16 Pullbox with cover	2 pcs		
g. Conduit fittings	1 lot		
h. Supporting Materials	1 lot		
• Angle Bar, 1 1/2" x 1 1/2" x 1/8" x 6mtrs.			
• Full Thread Round Bar, 3/8" x 6mtrs.			
• Flat Bar, 1" x 3/16" x 6mtrs.			

• Dynabolt, 1/4"Ø x 1 1/2"			
• Bolts, Nuts, Washers, 3/8"Ø x 1 1/2"			
<b>i. Painting Works</b>	<b>1 lot</b>		
• QDE Paint (white)			
• QDE Paint gray (medium)			
• Lacquer Thinner (Puree)			
• Paint Brush 2"			
<b>j. Miscellaneous items</b>	<b>1 lot</b>		
• G.I. Wire ga.#16			
• Hacksaw Blade			
• Diamond Cutting Disk 4"			
• SDS Plus Drill Bit (8mm)			
• Dormer Drill Bit, 1/8"			
• Dormer Drill Bit, 3/16"			
<b>C. Wires and Cables</b>			
a. STP Wire AWG # 16, 2C	<b>2922 LM</b>		
b. TF, 2.0 mm <sup>2</sup> 2C	<b>560 LM</b>		
c. Wiring Accessories	<b>1 lot</b>		
• Electrical Tape			
• Plastic Cable Tie # 8			
• Masking Tape, 3/4"			
<b>D. Labor</b>			
• Installation Cost	<b>1 lot</b>		
<b>Testing and Commissioning</b>	<b>1 lot</b>		
• Mobilization / Demobilization	<b>1 lot</b>		
• Testing and Commissioning			
• As-Built Plans, and Engineering Supervisions	<b>1 lot</b>		
• Civil Works and Restoration Works	<b>1 lot</b>		
<b>Conforms to the attached Scope of Work and Drawings.</b>			

**I hereby certify that the statement of compliance to the foregoing technical specifications are true and correct, otherwise, if found to be false either during bid evaluation or post-qualification, the same shall give rise to automatic disqualification of our bid.**

Name of Company	Signature Over Printed Name of Authorized Representative	Date
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## SCOPE OF WORK

Procurement of (Item 1) Automatic Fire Sprinkler System and  
(Item 2) Fire Detection and Alarm System for the OSG Building

Purchase Request No. \_\_\_\_\_

x-----x

## VI. DELIVERY SCHEDULE

1. The acquisition and installation of the Fire Sprinkler and Fire Alarm Systems for the OSG Building shall be completed within ten to twelve (10-12) months or up to three hundred sixty-five (365) calendar days from receipt of the Notice to Proceed (NTP), which shall include the period of time required in dismantling the old sprinklers and alarm and installing the new Fire Sprinkler and Fire Alarm Systems.

2. Schedule of Works by the Contractor:

The OSG Management requires that the Works shall not disrupt the normal operations in the office. As such, the Contractor is expected to conduct its installation of the AFSS and FDAS systems and ancillary works thereof outside of normal work hours.

## VII. STANDARDS OF WORKMANSHIP

The contractor shall execute the work in the most thorough, prompt, and workmanlike manner and in accordance with the plans and specifications. The installations shall be done thru standard methods and good engineering practices.

## VIII. STANDARDS AND CODES

The contractor shall execute the work and conduct relevant commissioning tests in accordance/compliance with, but not limited to, the following standards and codes:

- ❖ **Presidential Decree (P.D.) 1096**  
– National Building Code of the Philippines
- ❖ **Republic Act (R.A.) 9514** – New Fire Code of the Philippines
- ❖ Related American Society for Testing & Materials (ASTM) codes:
  - **ASTM A53/A53M** – Standard Specification for Pipe; Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless
  - **ASTM A126** – Standard Specification for Gray Iron Castings for Valves, Flanges & Pipe Fittings
  - **ASTM A795/A795M** – Standard Specification for Black and Hot-Dipped Zinc-Coated (Galvanized) Welded and Seamless Steel Pipe for Fire Protection Use



**BILL OF QUANTITIES**

Lot NO.	Item No.	ITEM DESCRIPTION	QTY	UNIT PRICE	TOTAL PRICE
1	1	<b>Fire Sprinkler System</b>			
		<b>I. Sprinkler Head;</b>			
		• Pendant Type w/ esc plate	524 set		
		• Upright type	59 set		
		• <b>Miscellaneous /Consumables</b> <i>(Teflon Tapes, Poly Pipe Clamps, Primer Paint, All Purpose Structural Adhesive)</i>	11 lot		
		<b>II. Black Iron Pipe @ASTM 53,S-40</b>			
		• 100 mm Ø	13 length		
		• 80 mm Ø	9 length		
		• 65 mm Ø	88 length		
		• 50 mm Ø	4 length		
		• 40 mm Ø	13 length		
		• 32 mm Ø	13 length		
		• 25 mm Ø	359 length		
		<b>III. Black Iron Pipe Fittings S-40</b>			
		<b>Elbow 90°</b>			
		• 100 mm Ø welded type	14 pcs		
		• 80 mm Ø welded type	22 pcs		
		• 40 mm Ø welded type	22 pcs		
		• 32 mm Ø welded type	40 pcs		
		• 25 mm Ø welded type	1592 pcs		
		<b>Riser Nipple</b>			
		• 25 mm Ø x4"	225 pcs		
		• 32 mm Ø x4"	18 pcs		
		<b>Tee Equal</b>			
		• 100 mm Ø welded type	4 pcs		
		• 80 mm Ø welded type	11 pcs		
		• 65 mm Ø welded type	32 pcs		
		• 32 mm Ø welded type	12 pcs		
		• 25 mm Ø welded type	406 pcs		
		<b>Tee Reducer</b>			
		• 100 x 80 x 100 mm Ø welded type	11 pcs		
		• 100 x 65 x 100 mm Ø welded type	11 pcs		
		• 32 x 25 x 32 mm Ø threaded type	24 pcs		
		<b>Thread-o-let (Half Coupling)</b>			
		• 25 mm Ø	47 pcs		
		• 32 mm Ø	22 pcs		
		• 40 mm Ø	11 pcs		
		<b>End Cup</b>			
		• 100 mm Ø welded type	2 pcs		
		• 80 mm Ø welded type	2 pcs		
	• 65 mm Ø welded type	41 pcs			

• 40 mm Ø threaded type	10 pcs		
<b>Male Plug</b>			
• 12 mm Ø threaded type	583 pcs		
<b>Coupling Reducer</b>			
• 80 mm x 65 mm Ø welded type	20 pcs		
• 65 mm x 50 mm Ø welded type	2 pcs		
• 65 mm x 40 mm Ø welded type	1 pc		
• 32 mm x 25 mm Ø threaded type	4 pcs		
• 25 mm x 12 mm Ø threaded type	583 pcs		
<b>IV. Dry and Wet Stand Pipe and General Flange</b>			
• 100 mm Ø	64 pcs		
• 80 mm Ø	22 pcs		
• 65 mm Ø	22 pcs		
• 100 mm Ø blind flange	1 pc		
• 1/4" x 100 mm Ø rubber gasket	32 pcs		
• 1/4" x 80 mm Ø rubber gasket	11 pcs		
• 1/4" x 65 mm Ø rubber gasket	11 pcs		
• 5/8" Ø x 3"L High tensile bolt and nut	344 pcs		
<b>Valves</b>			
• Check valve 100 mm Ø	2 sets		
• OS & Y Floor control Valve 800 mm Ø	11 sets		
• Fire Hose Valve 65 mm Ø w/ cap & chain	11 sets		
• Test Valve 25 mm Ø (Globe Valve)	22 sets		
<b>Pipe Hangers and Accessories</b>			
• 100 mm Ø	32 sets		
• 80 mm Ø	22 sets		
• 65 mm Ø	257 sets		
• 50 mm Ø	5 sets		
• 40 mm Ø	33 sets		
• 32 mm Ø	33 sets		
• 25 mm Ø	1061 sets		
<b>Sway and Accessories</b>			
• Union Patentee 25 mm Ø	22 pcs		
• 100 mm Ø	15 set		
• Painting of Piping	11 sets		
<b>B. Fire and Jockey Pump General Components with complete Control Accessories</b>			
<b>Fire pump with control and accessories:</b>			
• Fire pump, 500 GPM at 100 PSI, 75 Hp Electric motor at	1 unit		

	3550 rpm, 230 VAC, 3 phase, 60 Hz			
	<ul style="list-style-type: none"> <li>• Fire pump controller with pressure recorder, wye-delta type starter, NEMA 2 enclosure</li> </ul>	<b>1 unit</b>		
	<b>Jockey pump with complete control and accessories</b>			
	<ul style="list-style-type: none"> <li>• Jockey pump , 75 GPM at 115 psi, Vertical in-line, 7.5 Hp Electric motor a 3450 rpm, 230 VAC, 3 phase, 60 Hz with automatic controller</li> </ul>	<b>1 unit</b>		
	<ul style="list-style-type: none"> <li>• Jockey pump controller with pressure recorder , wye-delta type starter, NEMA 12</li> </ul>	<b>1 unit</b>		
	<ul style="list-style-type: none"> <li>• Pressure reducing valve 65 mm Ø</li> </ul>	<b>4 sets</b>		
	<ul style="list-style-type: none"> <li>• Flexible connector 100 mm Ø</li> </ul>	<b>1 set</b>		
	<ul style="list-style-type: none"> <li>• Waste cone 100 mm Ø</li> </ul>	<b>1 set</b>		
	<ul style="list-style-type: none"> <li>• Volume meter 100 mm Ø Water meter</li> </ul>	<b>1 set</b>		
	<ul style="list-style-type: none"> <li>• Alarm check valve 100 mm Ø</li> </ul>	<b>1 set</b>		
	<ul style="list-style-type: none"> <li>• Water alarm gong</li> </ul>	<b>1 set</b>		
	<ul style="list-style-type: none"> <li>• Sensing line system</li> </ul>	<b>1 set</b>		
	<ul style="list-style-type: none"> <li>• Foot valve 100 mm Ø</li> </ul>	<b>1 set</b>		
	<ul style="list-style-type: none"> <li>• OS &amp; Y Valve 100 mm Ø</li> </ul>	<b>1 set</b>		
	<ul style="list-style-type: none"> <li>• Water Pressure guage, 3" dial face, 0-300 psi</li> </ul>	<b>3 sets</b>		
	<ul style="list-style-type: none"> <li>• Check valve 100 mm Ø</li> </ul>	<b>1 set</b>		
	<b>C. Fire Hose Cabinets and Package</b>			
	<b>Fire Hose Cabinet and Package</b>			
	Fire hose Cabinet size 27"x32" steel body construction, gauge # 18, full glass door with 1"x1" tubular:	<b>11 set</b>		
	<ul style="list-style-type: none"> <li>• Fire Hose 1-1/2" Ø x 100 ft single jacket</li> </ul>			
	<ul style="list-style-type: none"> <li>• Angle valve 1-1/2" Ø</li> </ul>			
	<ul style="list-style-type: none"> <li>• Nipple and locknut size 1-1/2" Ø</li> </ul>			
	<ul style="list-style-type: none"> <li>• Straight nozzle 1-1/2" Ø</li> </ul>			
	<ul style="list-style-type: none"> <li>• Hose rack</li> </ul>			
	<ul style="list-style-type: none"> <li>• Handle, lock &amp; key</li> </ul>			
	<ul style="list-style-type: none"> <li>• Fire extinguisher ABC dry chemical type, 10lbs capacity</li> </ul>			
	<b>D. Miscellaneous and Consumables</b>	<b>1 lot</b>		
	<ul style="list-style-type: none"> <li>• Oxygen &amp; Acetylene</li> </ul>			
	<ul style="list-style-type: none"> <li>• Welding rod</li> </ul>			
	<ul style="list-style-type: none"> <li>• Grinding wheel</li> </ul>			
	<ul style="list-style-type: none"> <li>• Cutting wheel</li> </ul>			
	<ul style="list-style-type: none"> <li>• Painting works</li> </ul>			
	<ul style="list-style-type: none"> <li>• Teflon tape</li> </ul>			
	<ul style="list-style-type: none"> <li>• Machine oils</li> </ul>			
	<b>E: Labor</b>			
	<ul style="list-style-type: none"> <li>• Labor for Mechanical Installation</li> </ul>	<b>1 lot</b>		

		• Labor for Dismantling	1 lot		
		• Labor for Chipping	1 lot		
		• Labor for Roughing-ins	1 lot		
		• Labor for Restoration	1 lot		
		<b>F. General Requirement</b>	1 lot		
		• Mobilization and Demobilization			
		• Scaffoldings			
		• Safety Equipment			
		• Temporary Facilities			
		• Supervision Fees			
		• As-Built Plans			
		• Testing and Commissioning Cost			
		• Permits			
<b>Total Sprinkler System:</b>					
<b>2</b>	<b>Fire Detection and Alarm System</b>				
	<b>A. FDAS Equipment and Devices</b>				
	a. Fire Alarm Control Panel		1 Assy		
	b. Fire Alarm Terminal Block		1 Assy		
	c. Addressable Smoke Detector		147 pcs		
	d. Addressable Heat Detector (Fixed Temperature)		1 pc		
	e. FA Manual Pull Station		12 sets		
	f. Strobe Light		12 sets		
	g. FA Speaker Horn		12 sets		
	h. Monitor/Interface module		11 sets		
	i. Control Module		1 set		
	j. Miscellaneous and Consumables		1 lot		
	• All Purpose Structural Adhesive				
	• Tox w/ screw #8				
	• PVC Solvent Cement, 400cc				
	• G.I. Wire ga.#16				
	• Hacksaw Blade				
	• Primer gray w/ catalyst				
	• Concrete nail 4"				
	• Grinding Disk 4"				
	• Diamond Cutting Disk 4"				
	• SDS Plus Drill Bit (8mm)				
	• Dormer Drill Bit, 1/8"				
	• Dormer Drill Bit, 3/16"				
	• Metal Screw, 10" x 1 1/2"				
	<b>B. Materials for Roughing-ins Conduits and Raceways</b>				
	a. 15mmØ EMT Pipe		1328 LM		
	b. 15mmØ FMC		296 LM		
	c. 20mmØ EMT Pipe		266 LM		
	d. G.I. Ga #16 junction box with cover		200 pcs		
	e. G.I. Ga #16 square box		15 pcs		
	f. G.I. Ga #16 Pullbox with cover		2 pcs		

	g. Conduit fittings	1 lot		
	h. Supporting Materials	1 lot		
	• Angle Bar, 1 1/2" x 1 1/2" x 1/8" x 6mtrs.			
	• Full Thread Round Bar, 3/8" x 6mtrs.			
	• Flat Bar, 1" x 3/16" x 6mtrs.			
	• Dynabolt, 1/4"Ø x 1 1/2"			
	• Bolts, Nuts, Washers, 3/8"Ø x 1 1/2"			
	i. Painting Works	1 lot		
	• QDE Paint (white)			
	• QDE Paint gray (medium)			
	• Lacquer Thinner (Puree)			
	• Paint Brush 2"			
	j. Miscellaneous items	1 lot		
	• G.I. Wire ga.#16			
	• Hacksaw Blade			
	• Diamond Cutting Disk 4"			
	• SDS Plus Drill Bit (8mm)			
	• Dormer Drill Bit, 1/8"			
	• Dormer Drill Bit, 3/16"			
	<b>C. Wires and Cables</b>			
	a. STP Wire AWG # 16, 2C	2922 LM		
	b. TF, 2.0 mm <sup>2</sup> 2C	560 LM		
	c. Wiring Accessories	1 lot		
	• Electrical Tape			
	• Plastic Cable Tie # 8			
	• Masking Tape, 3/4"			
	<b>D. Labor</b>			
	• Installation Cost	1 lot		
	<b>Testing and Commissioning</b>	1 lot		
	• Mobilization / Demobilization	1 lot		
	• Testing and Commissioning			
	• As-Built Plans, and Engineering Supervisions	1 lot		
	• Civil Works and Restoration Works	1 lot		
<b>Total FDAS:</b>				
<b>GRAND TOTAL PRICE: (Sprinkler + FDAS)</b>				

**Name and Signature of the Bidder:** \_\_\_\_\_  
**Name of Company:** \_\_\_\_\_  
**Date:** \_\_\_\_\_