



Bid Bulletin No.1
22 August 2019

PUBLIC BIDDING NO. 19-251-10

**PROCUREMENT OF AN INTEGRATOR FOR TECHNICAL AND SUPPORT SERVICES
 CLUSTER OF THE 30 TH SOUTHEAST ASIANGAMES (SEA GAMES)
 FOR PHILIPPINE SPORTS COMMISSION (PSC)**

Issued pursuant to Sec. 22.5 of the IRR of R.A. 9184 to clarify and/or amend certain provisions in the Bidding Documents issued for this project, considering the issues raised and clarifications made by prospective bidder/s during the Pre-bid Conference held on **August 15, 2019.**

A. AMENDMENTS/INCLUSIONS

REFERENCE				BASIS FOR AMENDMENT/INCLUSIONS
Section I- Invitation to Bid Page 4 XXX				<ul style="list-style-type: none"> To amend the requirement consistent with Terms of Reference (TOR).
Lot No.	Item No.	Qty	Item/Description	
1	1	1 lot	Supply, Lease, Delivery, Installation, Testing, Operation, and/or Maintenance of Lights, Sounds and Trusses for Various Selected SEA Games Competition and Non-Competition Venues	

		2	Supply, <u>Lease</u> , Delivery, Installation, Testing, Operation, and/or Maintenance of Temporary Power/GENERATOR Sets for Various Selected SEA Games Competition and Non-Competition Venues	
		3	Supply, <u>Lease</u> , Delivery, Installation, Testing, Operation, and/or Maintenance of LED Screens for Various Selected SEA Games Competition Venues.	

XXX

**Section III- Bid Data Sheet
BDS Clause 1.2 page 39**

XXX

Lot No.	Item No.	Qty	Item/Description
1	1	1 lot	Supply, <u>Lease</u> , Delivery, Installation, Testing, Operation, and/or Maintenance of Lights, Sounds and Trusses for Various Selected SEA Games Competition and Non-Competition Venues

- To amend the requirement consistent with Terms of Reference (TOR).

	2		Supply, <u>Lease</u> , Delivery, Installation, Testing, Operation, and/or Maintenance of Temporary Power/GENERATOR Sets for Various Selected SEA Games Competition and Non-Competition Venues	
	3		Supply, <u>Lease</u> , Delivery, Installation, Testing, Operation, and/or Maintenance of LED Screens for Various Selected SEA Games Competition Venues.	
XXX				
<p>Section III- Bid Data Sheet BDS Clause 5.4 page 40</p> <p>XXX</p> <p>a. <i>Supply, <u>Lease</u>, Delivery, Installation, Testing, Operation, and/or Maintenance of Lights, Sounds and Trusses for Various Venues</i></p> <p>b. <i>Supply, <u>Lease</u>, Delivery, Installation, Testing, Operation, and/or Maintenance of Temporary Power/GENERATOR Sets for Various Venues.</i></p> <p>c. <i>Supply, <u>Lease</u>, Delivery, Installation, Testing, Operation, and/or Maintenance of LED Screens for Various Venues.</i></p> <p>XXX</p> <ul style="list-style-type: none"> • To amend the requirement consistent with Terms of Reference (TOR). 				



**Section III- Bid Data Sheet
BDS Clause 12.1 (a)(i) page 41**

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e. PCAB License minimum of category B, under Specialty Electrical Work (SP-EE) classification, Medium A.

xxx

- To reflect the PCAB Classification.

**Section III- Bid Data Sheet
BDS Clause 13.2 page 42**

xxx

Lot No.	Item No.	Qty	Item/Description
1	1	1 lot	Supply, Lease , Delivery, Installation, Testing, Operation, and/or Maintenance of Lights, Sounds and Trusses for Various Selected SEA Games Competition and Non-Competition Venues
	2		Supply, Lease , Delivery, Installation, Testing, Operation, and/or Maintenance of Temporary Power/GENERATOR Sets for Various Selected SEA Games Competition and Non-Competition Venues

- To amend the requirement consistent with Terms of Reference (TOR).

		3	Supply, <u>Lease</u> , Delivery, Installation, Testing, Operation, and/or Maintenance of LED Screens for Various Selected SEA Games Competition Venues.
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**Section III- Bid Data Sheet
BDS Clause 18.1 page 42-43**

XXX

Lot No.	Item No.	Qty	Item/Description
1	1	1 lot	Supply, <u>Lease</u> , Delivery, Installation, Testing, Operation, and/or Maintenance of Lights, Sounds and Trusses for Various Selected SEA Games Competition and Non-Competition Venues
	2		Supply, <u>Lease</u> , Delivery, Installation, Testing, Operation, and/or Maintenance of Temporary Power/GENERATOR Sets for Various Selected SEA Games Competition and Non-Competition Venues
	3		Supply, <u>Lease</u> , Delivery, Installation, Testing, Operation, and/or Maintenance of LED Screens for Various Selected SEA Games Competition Venues.

- To amend the requirement consistent with Terms of Reference (TOR).

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**Section III- Bid Data Sheet
BDS Clause 28.3 (a) page 45**

Xxx

Lot No.	Item No.	Qty	Item/Description
1	1	1 lot	Supply, <u>Lease</u> , Delivery, Installation, Testing, Operation, and/or Maintenance of Lights, Sounds and Trusses for Various Selected SEA Games Competition and Non-Competition Venues
	2		Supply, <u>Lease</u> , Delivery, Installation, Testing, Operation, and/or Maintenance of Temporary Power/GENERATOR Sets for Various Selected SEA Games Competition and Non-Competition Venues
	3		Supply, <u>Lease</u> , Delivery, Installation, Testing, Operation, and/or Maintenance of LED Screens for Various Selected SEA Games Competition Venues.

- To amend the requirement consistent with Terms of Reference (TOR).

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**Section III- Bid Data Sheet
BDS Clause 29.2 page 45**

XXX

1. Income Tax Returns for year ~~2017~~ 2018
(BIR Form 1701 or 1702); and

XXX

- Typographical error.

**Section V- Special Conditions of Contract
SCC Clause 1.1(j) page 64**

XXX

Lot No.	Item No.	Qty	Item/Description
1	1	1 lot	Supply, Lease , Delivery, Installation, Testing, Operation, and/or Maintenance of Lights, Sounds and Trusses for Various Selected SEA Games Competition and Non-Competition Venues
	2		Supply, Lease , Delivery, Installation, Testing, Operation, and/or Maintenance of Temporary Power/GENERATOR Sets for Various Selected SEA Games Competition and Non-Competition Venues

- To amend the requirement consistent with Terms of Reference (TOR).



XXX	3	<p>Supply, <u>Lease</u>, Delivery, Installation, Testing, Operation, and/or Maintenance of LED Screens for Various Selected SEA Games Competition Venues.</p>											
XXX	<p>Section V- Special Conditions of Contract SCC Clause 5.1 page 64</p> <p>Director Rosa Maria M. Clemente OFFICE OF THE EXECUTIVE DIRECTOR Head of the Procuring Entity Procurement Service Ground Floor, PS Complex, RR Road Cristobal St., Paco, Manila</p>		<ul style="list-style-type: none"> To specify the name of the addressee. 										
XXX	<p>Section VI- Schedule of Requirements Page 71</p>												
	<table border="1"> <thead> <tr> <th>Lot No.</th> <th>Item No.</th> <th>Qty</th> <th>Item/Description</th> <th>Delivery Schedule</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1</td> <td>1 lot</td> <td>Supply, <u>Lease</u>, Delivery, Installation, Testing, Operation, and/or Maintenance of Lights, Sounds and Trusses for Various Selected SEA Games Competition and Non-Competition Venues</td> <td></td> </tr> </tbody> </table>		Lot No.	Item No.	Qty	Item/Description	Delivery Schedule	1	1	1 lot	Supply, <u>Lease</u> , Delivery, Installation, Testing, Operation, and/or Maintenance of Lights, Sounds and Trusses for Various Selected SEA Games Competition and Non-Competition Venues		<ul style="list-style-type: none"> To amend the requirement consistent with Terms of Reference (TOR).
Lot No.	Item No.	Qty	Item/Description	Delivery Schedule									
1	1	1 lot	Supply, <u>Lease</u> , Delivery, Installation, Testing, Operation, and/or Maintenance of Lights, Sounds and Trusses for Various Selected SEA Games Competition and Non-Competition Venues										



		Technical Proposal	
		a. Submission	September 16, October 1, 2019
		b. Approval	September 30, October 15, 2019
		Delivery	October 31, 2019
		<u>Completion of</u> setup, Installation and Testing	November 25, 2019
		<u>Complete</u> dismantling and Egress services after the SEA Games	December 15, 2019
		Supply, Lease, Delivery, Installation, Testing, Operation, and/or Maintenance of Temporary Power/Generator sets for Various Selected SEA Games Competition and Non- Competition Venues	
		Technical Proposal	
	2	a. Submission	September 16, October 1, 2019
		b. Approval	September 30, October 15, 2019
		Delivery	October 31, 2019
		<u>Completion of</u> setup, Installation and Testing	November 25, 2019
		<u>Complete</u> dismantling and egress services after the SEA Games	December 15, 2019
		Supply, Lease, Delivery, Installation, Testing, Operation, and/or Maintenance of LED Screens for Various Selected SEA Games Competition Venues.	
	3	Technical Proposal	
		a. Submission	September 16, October 1, 2019

			b. Approval	September 30, October 15, 2019	
			Delivery	October 31, 2019	
			<u>Completion of</u> setup, Installation and Testing	November 25, 2019	
			<u>Complete</u> dismantling and egress services after the SEA Games	December 15, 2019	
XXX					
Section VII- Technical Specifications Page 77 XXX Item No. 1 Supply, <u>Lease</u> , Delivery, Installation, Testing, Operation, and/or Maintenance of Lights, Sounds and Trusses for Various Selected SEA Games Competition and Non-Competition Venues XXX					<ul style="list-style-type: none"> To amend the requirement consistent with Terms of Reference (TOR).
Section VII- Technical Specifications Page 84 XXX Item No. 2 Supply, <u>Lease</u> , Delivery, Installation, Testing, Operation, and/or Maintenance of Temporary Power/Generator Sets for Various Selected SEA Games Competition and Non-Competition Venues XXX					<ul style="list-style-type: none"> To amend the requirement consistent with Terms of Reference (TOR).



**Section VII- Technical Specifications
Page 84**

xxx

c. 2500 ~~pes. m~~ Wires and Cables

xxx

f. 2500 ~~pes. m~~ Wires and Cables

xxx

- To amend the requirement as per End-User's reply dated August 22, 2019.

**Section VII- Technical Specifications
Page 91**

xxx

Item No. 3

Supply, ~~Lease~~, Delivery, Installation, Testing, Operation, and/or Maintenance of LED Screens for Various Selected SEA Games Competition ~~and Non-Competition Venues~~

xxx

- To amend the requirement consistent with Terms of Reference (TOR).

**Section VIII- Bidding Forms
Page 101**

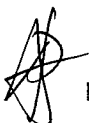
xxx

Lot No.	Item No.	Qty	Item/Description
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- To amend the requirement consistent with Terms of Reference (TOR).



1	1	1 lot	Supply, <u>Lease</u> , Delivery, Installation, Testing, Operation, and/or Maintenance of Lights, Sounds and Trusses for Various Selected SEA Games Competition and Non-Competition Venues
	2		Supply, <u>Lease</u> , Delivery, Installation, Testing, Operation, and/or Maintenance of Temporary Power/GENERATOR Sets for Various Selected SEA Games Competition and Non-Competition Venues
	3		Supply, <u>Lease</u> , Delivery, Installation, Testing, Operation, and/or Maintenance of LED Screens for Various Selected SEA Games Competition Venues.
XXX			



B. CLARIFICATIONS

EMAIL LETTER FROM AMIGO GENTECH. ¹		
1	<p>Scope</p> <ul style="list-style-type: none"> How were the capacities calculated and the loads & type of load considered? Are the loads for lights/sound only or there are other loads 	<ul style="list-style-type: none"> The loads are based on the computed loads with a minimum margin of 200% for the redundancy. Lights, sounds and rigging are the priority load. But broadcasting and other loads are considered by giving them allowance in the computation. <i>Per End-User's email reply dated August 22, 2019.</i>
2	<p>Scope</p> <ul style="list-style-type: none"> What's the battery limit or final connection? Up to DB 32A circuit/connection only? Can we use if there is existing earthing available on the venue? 	<ul style="list-style-type: none"> 32 amps' connector are minimum requirement only. If the system requires bigger ampere capacity connector, the contractor must provide the connectors. Sizes of connectors will depend on the approval of technical drawings, but the minimum sizes of connector to be used must be 32 amps. <p>The generator cannot use the existing building grounding. They must</p>

¹ Letter dated August 19, 2019



		provide their own grounding protection. <i>Per End-User's email reply dated August 22, 2019.</i>
3	<p>Scope Page 85 vs Page 90</p> <ul style="list-style-type: none"> Temporary/power system deployment breakdown: Taekwondo & Weightlifting – Ninoy Aquino shows 900kVA generator set x 1, TOR page 85 shows 5 lots; please confirm if it is 1 x 900kVA generator and panels/cables quantity for Taekwondo & Weightlifting 	<ul style="list-style-type: none"> Temporary Power System Deployment shall be the basis for deployment. <i>Per End-User's email reply dated August 22, 2019.</i>
4	<p>Design</p> <ul style="list-style-type: none"> Does the supplier need to consider design factor? Eg. unbalance loads, motor starts, capacitive loads, and non-linear loads 	<ul style="list-style-type: none"> Yes, this must be reflected on the technical drawing / document. <i>Per End-User's email reply dated August 22, 2019.</i>
5	<p>Specs</p> <ul style="list-style-type: none"> What are the lights and audio system equipment main connection ratings? Generator & DB Panels – what is the IP rating required? Does it need attenuation or sound proofing? Properly banded/spill 	<ul style="list-style-type: none"> Minimum connector for distribution will be 32 amps. <p>DB panels must be Nema3R for outdoor and Nema1 for indoor. IP</p>

	<p>protection?</p> <ul style="list-style-type: none"> • Generator & DB Panels – any specific protection required? Earth fault/RCD for safety? • Wires & cables – there is no information type, specification of cables mentioned, only minimum size of 3.5sqmm. We see this as a risk considering the capacity required and need to ask how the design/calculation will be reviewed to ensure proper specifications meet by the bidder? 	<p>rating for generator must be IP54 as a minimum requirement.</p> <ul style="list-style-type: none"> • 3.5mmsq cable size is only a minimum requirement. If the contractor see a reason to size up the cables and it fits the requirement of the system, it must be reflected on the technical drawing that the contractor will submit. <i>Per End-User's email reply dated August 22, 2019.</i>
<p>6</p>	<p>Specs</p> <ul style="list-style-type: none"> • The rigging system require 3-phase but the distribution panels only require single phase, hence, doesn't match 	<ul style="list-style-type: none"> • Single phase is the minimum requirement of the system, if the contractor see that it needs a 3 phase system. The contractor must reflect it in the technical drawing. <i>Per End-User's email reply dated August 22, 2019.</i>

<p style="text-align: center;">7</p>	<p>Venue Page 84</p> <ul style="list-style-type: none"> • "Upon the discretion of the End User, certain temporary power/generator sets maybe requested to be deployed and transferred to other SEAG venues as the need arises" • Who will bear the cost of relocating the equipment? E.g. transport and manpower 	<ul style="list-style-type: none"> • The contractor must provide a contingency for transportation of equipment. Transportation of all equipment, relocated or not, must be covered by the contractor. <i>Per End-User's email reply dated August 22, 2019.</i>
<p style="text-align: center;">8</p>	<p>Egress</p> <ul style="list-style-type: none"> • Provide dismantling and egress services after the SEA Games, no later than Dec.15, 2019. –when is the last to use the generators and so we can start to demob? 	<ul style="list-style-type: none"> • Demobilization schedule will be given by the venue managers. <i>Per End-User's email reply dated August 22, 2019.</i>
<p style="text-align: center;">9</p>	<p>Security</p> <ul style="list-style-type: none"> • Will the Committee provide for site security including equipment? 	<ul style="list-style-type: none"> • General security will be provided by the venue, but the contractor must provide the security for its own equipment. <i>Per End-User's email reply dated August 22, 2019.</i>
<p style="text-align: center;">10</p>	<p>Import Duties</p> <ul style="list-style-type: none"> • Will the Committee help in securing duty-free importation of equipment considering that it is only for temporary importation? 	<ul style="list-style-type: none"> • Duties are currently being discussed internally with the appropriate government dependents. However, for now, duties shall be computed as part



		of the financial proposal of the proponent. <i>Per End-User's email reply dated August 22, 2019.</i>
11	<p>Commercial</p> <ul style="list-style-type: none"> Regarding all 3 scopes: Is it Supply or Leasing? 	<ul style="list-style-type: none"> BAC confirmed that all are based on leasing, assets will remain with the original owner. <i>Per End-User's email reply dated August 22, 2019.</i>
12	<p>UOM for Wires and Cables Multiple Pages</p> <ul style="list-style-type: none"> Units of measure for wires and cables should be in meters and not in pcs. Majority are in meters 	<ul style="list-style-type: none"> Measurement of wires is in meters. The minimum length of cables for power distribution is 75 meters. <i>Per End-User's email reply dated August 22, 2019.</i>
13	<p>Manpower Page 96</p> <ul style="list-style-type: none"> Can we submit the names and corresponding CVs after notice of award? It would be difficult to have the names and CVs together with the bid submission. Will still need to hire after award. Maybe at the post-qua at the earliest. 	<ul style="list-style-type: none"> Names and CV's of the personnel's to be deployed must be included in the bid proposal. <i>Per End-User's email reply dated August 22, 2019.</i>

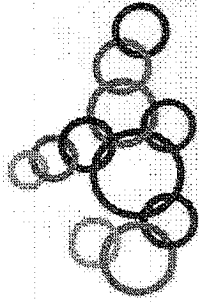
14	<p>Variation Order</p> <ul style="list-style-type: none"> • Variations before sign off for technical design end of September. • "During the pre-bid it was clarified that further information on the loads and venues will be made available between the bid date and before the approval of the final technical design end of September. Thus are we right to assume that variations in the equipment configuration over the TOR eg regarding to the numbers and lengths of cables, size of panels, type of connections etc are permitted, provided that the remit of the scope is not less than as per TOR?" 	<ul style="list-style-type: none"> • Variation order might be considered if there is a proper justification. <i>Per End-User's email reply dated August 22, 2019.</i>
<p>OTHERS:</p> <ol style="list-style-type: none"> 1. Letter received from WSL-ABL Inc. dated August 19, 2019 (Intend to Bid for the Provisioning of an Integrated services & Solutions for the 30th SEA GAMES 2019 (Philippines)) 2. Attached Terms of Reference 		

By Rule, all other related provisions in the Bidding Documents correspondingly affected by these amendments are likewise deemed amended to conform to this Bid Bulletin.

Amendments made herein shall be considered an integral part of the Bidding Documents.

(SGD) ENGR. PABLO ROMAN C. ANDRES
Chairperson, Special Bids and Awards Committee

For the purpose of this Bulletin and for better understanding of its contents, the following rules shall apply: (a) ~~Double Strike-out~~ denotes deletion; (b) Underline – denotes inclusion or new item/requirement; and "xxx" – denotes separation of phrase/s being amended from the rest of the main text.



**PHILIPPINES 2019
30th SEA GAMES**

**PROPOSED TERMS OF REFERENCE FOR:
THE PROCUREMENT OF AN INTEGRATOR FOR THE TEMPORARY POWER,
GENERATOR SETS, AUDIO, LIGHTING, AND DISPLAY SERVICES FOR THE
30th SOUTH EAST ASIAN GAMES**

Prepared By:

**THE PHILIPPINE SEA GAMES ORGANIZATIONAL COMMITTEE (PHISGOC)
FOUNDATION, INC.**

For:

THE PHILIPPINE SPORTS COMMISSION (PSC)

SECTION 1: BACKGROUND

The 30th Southeast Asian Games ("SEA Games") will be the largest sports event in Southeast Asia for 2019. The SEA Games is more than just a sporting event, it is a celebration of national pride. After all, the SEA Games comprise a National Agenda that impacts Southeast Asia. The success of the SEA Games will be determined not only on the level or conduct of sport competition, or the success of the operational and logistic efforts, but it will be likewise evaluated on the quality, relevance and impact of the cultural dimension of the SEA Games.

The SEA Games will also be a centerpiece program for the entire host nation, to which every hope, dream or aspiration each Filipino clings onto. It represents a massive launch pad to propel a country campaign that banners reputable change for the Philippines. Let the SEA Games in 2019 become a milestone for the Philippines, embodying the image of a nation that knows how to look back on its roots, and yet is ready to move along forward, upward.

The Philippine SEA Games Organizational Committee (PHISGOC) Foundation, Inc. ["PHISGOC"], is a non-stock, non-profit corporation duly organized and existing under the laws of the Republic of the Philippines (the "Philippines"). It is principally tasked to undertake the necessary preparation for the hosting of the SEA Games in the Philippines.

With the SEA Games to be held for the fourth (4th) time in the Philippines, the potential to create a unique and memorable experience both for Filipinos and for international visitors, viewers, and especially the athletes themselves, is on a heightened level. More than ever, the SEA Games, with participation from eleven (11) countries from region, will present itself to a viewing public crossing and transcending borders of Southeast Asia.

Pursuant to *Memorandum Circular No. 56* dated 25 January 2019 entitled "Directing All Government Agencies and Instrumentalities, Including Government-Owned or -Controlled Corporations and Encouraging Local Government Units to Extend Their Support to the Philippine SEA Games Organizational Committee Foundation, Inc. in Preparation, Organization and Holding of the Southeast Asian Games" issued by the Office of the President, PHISGOC was mandated to oversee the preparations and execution of the SEA Games. With that, PHISGOC has identified the necessity of procuring the following:

The purpose of PHISGOC is to undertake the necessary preparation for the hosting of the SEA Games to be held in the Philippines in the year 2019, which includes the preparation, organization, and holding of the said games where the Philippines is the host country for all fifty six (56) sports and five hundred thirty (530) events taking place in forty four (44) sports venues, eight (8) non-competition venues and an expected seventeen thousand (17,000) delegates

SECTION 2: PURPOSE/OBJECTIVE

The objective of this is to seek proposals from competent and eligible bidders to provide integrated services and lease of equipment and assist and supply PHISGOC for the provision of the necessary services in connection with, such as, but not limited to, the following:

- (1) Supply, lease, delivery, installation, testing, operation, and/or maintenance of Lights, Sounds and Trusses for various selected SEA Games Competition and Non-Competition Venues;
- (2) Supply, lease, delivery, installation, testing, operation, and/or maintenance of temporary power / gensets that will be used to supply power to the equipment to be used for various selected SEA Games Competition and Non-Competition Venues as mentioned in the terms of reference ;
- (3) Supply, lease, delivery, installation, testing, operation, and/or maintenance of LED screens for various selected SEA Games Competition Venues.

SECTION 3: QUALIFICATIONS

The Bidder must have completed within the period specified in the Invitation to Bid a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC.

For this purpose, similar contract shall refer to any contract where the Bidder has provided for any of the equipment listed above for an International Event held in the Philippines or for a Major International or Tourist Venue in the Philippines within the last five (5) years prior to the deadline for the submission and receipt of bids. The Bidder must have provided technical equipment, manpower, logistical and engineering services and with a valid PCAB license minimum of category B.

Further, the Bidder must:

1. Have had implemented or on-going contracts to supply sounds and lights, LED / Scoreboard and / or temporary power to a major international sporting venue in the Philippines within the last two (2) years.
2. Have at least twenty five (25) years business experience in supplying sounds and lights, LED / Scoreboard and / or temporary power in the Philippines.

The following shall be eligible to participate in the bidding for this Project:

- a. Duly registered with the Bureau of Internal Revenue (BIR);
- b. Duly registered with PhilGEPS, with a Platinum Certification;
- c. A corporation, duly organized under the laws of the Philippines, and of which at least sixty percent (60%) of the outstanding capital stock belongs to citizens of the Philippines;

SECTION 4: APPROVED BUDGET FOR THE CONTRACT (ABC)

The Approved Budget for the Contract ("ABC") is the aggregate amount of **Five Hundred Million Pesos (PHP500,000,000.00)**, inclusive of all taxes, such as, but not limited to, value-added tax, local taxes, and other fiscal levies or government charges.

The Bid prices for Goods supplied from outside of the Philippines shall be quoted in Philippine Pesos. Bids will be valid until 120 days from bid submission.

SECTION 5: SELECTION CRITERIA

The project shall be awarded to the Single/Lowest Calculated Responsive Bidder (S/LCRB).

SECTION 6: SUB CONTRACTING

Sub-contracting is allowed provided that the winning bidder shall undertake not less than 20% of the contracted works with its own resources, and subject to the following conditions:

1. A bidder may identify the subcontractor to whom a portion of the project will be subcontracted at any stage of the bidding process or during contract implementation.
2. Subcontracting of any portion of the project shall not relieve the winning bidder from any liability or obligation that may arise from the contract for the project.

SECTION 7: BID SECURITY

The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:

- (1) The amount of 2% of the ABC, if bid security is in cash, cashier's / manager's check, bank draft / guarantee or irrevocable letter of credit; or

(2) The amount of 5% of the ABC if bid security is in Surety Bond

The bid security shall be valid until 120 days from bid submission.

SECTION 8: GROUPING AND EVALUATION OF LOTS

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.

SECTION 9: SCHEDULE OF REQUIREMENTS

The delivery schedule expressed as weeks / months stipulates hereafter a delivery date which is the date of delivery for the project.

ITEM NO	DESCRIPTION	QTY	TOTAL	DELIVERED, WEEKS / MONTHS	
1	LIGHTS, SOUNDS AND TRUSSES PROVISION / LEASE	1 Lot			
	1.1 Technical Proposal				
	1.1.a Submission			October 1, 2019	
	1.1.b Approval			October 15, 2019	
	1.2 Delivery			October 31, 2019	
	1.3 Completion of Setup, Installation and Testing			November 25, 2019	
2	TEMPORARY POWER / GENERATORS PROVISION / LEASE				
	2.1 Technical Proposal				
	2.1.a Submission				October 1, 2019
	2.1.b Approval				October 15, 2019
	2.2 Delivery				October 31, 2019
	2.3 Completion of setup, Installation and Testing				November 25, 2019
3	LED DISPLAYS PROVISION / LEASE				
	3.1 Technical Proposal				
	3.1.a Submission				October 1, 2019
	3.1.b Approval				October 15, 2019

	3.2 Delivery		October 31, 2019
	3.3 Completion of setup, Installation and Testing		November 25, 2019
4	Dismantling and egress services after the SEA Games		December 15, 2019

SECTION 10: LIST OF VENUES & VENUE MANAGERS

VENUE NAME	Sports	CLUSTER	VENUE MANAGER
Athletics Stadium - New Clark City	Athletics	Clark	
Aquatics Center - New Clark City	Swimming	Clark	
Malabon Properties Land Inc.	Lawn Bowls	Clark	
CDC Lot in front of Royce Hotel	Petanque	Clark	
Parade Grounds	Archery Rugby7s	Clark	
The Villages	Baseball Softball	Clark	
Royce Hotel	Dance Sport	Clark	
Luisita Golf	Golf	Clark	
LausGroup Events Center	Kurash Judo Jiu-Jitsu	Clark	
Angeles University Foundation	Arnis Sambo Wrestling	Clark	
DECA Wakeboard Park	Wakeboarding	Clark	
Muntinlupa Sports Complex	Badminton	Metro Manila	
Starmall EDSA	Bowling	Metro Manila	
SM MOA Arena	Basketball 5x5	Metro Manila	
Filoil Flying V Centre	Basketball 3x3 esports	Metro Manila	
PICC Forum 1-2-3	Boxing	Metro Manila	
Cuneta Astrodome	Kick Boxing	Metro Manila	
Manila Hotel Tent	Billiards Sports	Metro Manila	
RMSC Football Stadium	Football (M)	Metro Manila	
RMSC Basketball Coliseum	Weightlifting Taekwondo	Metro Manila	
Ninoy Aquino Stadium	Gymnastics	Metro Manila	
RMSC Tennis Courts	Soft Tennis Tennis	Metro Manila	
RMSC Squash Court	Squash	Metro Manila	
SM MOA Ice Skating Rink	Ice Hockey	Metro Manila	
SM Mega Mall Ice	Ice Skating	Metro Manila	

Skating Rink			
World Trade Center (Halls A,B,C)	Wushu, Karatedo, Fencing	Metro Manila	
PhilSports Multi-Purpose Arena (ULTRA)	Volleyball	Metro Manila	
U.P. Sunken Garden	Obstacle Course Sports	Metro Manila	
Marine Corps Training Center, PMFRC, Bonifacio Naval Center, Bgy Post Proper Southside, Makati City	Shooting (ISSF Rifle & Pistol, PPC, Benchrest & Silhouette)	Metro Manila	
Malawaan Park	Canoe/Kayak TBR/Dragon Boat	Subic	
Rialto Function Room (Travelers' Hotel)	Chess	Subic	
Subic Bay Exhibition & Convention Center	Muay Pencak Silat Table Tennis	Subic	
Subic Bay Boardwalk	Triathlon/Duathlon Modern Pentathlon Aquatics-Open Water Swimming	Subic	
Subic Bay Yacht Club	Sailing	Subic	
Lighthouse Hotel Area	Wind Surfing	Subic	
Subic Gym	Sepak Takraw	Subic	
Subic Tennis Courts	Beach Handball Beach Volleyball	Subic	
Triboya Bay / ACEA	Rowing	Subic	
The Firing Range, Ilanin Forest West District, Subic Bay Freeport Zone	Shooting (Shotgun)	Subic	
Miguel Romero Sports Club Zobel Farm Polo Field	Polo	Southern Luzon & Others	
Tagaytay Area	Cycling (BMX-Road-MTB) Skateboarding	Southern Luzon & Others	
Biñan Football Stadium Biñan Laguna	Football (M&W)	Southern Luzon & Others	
Monalisa Point - Little Surfmaid-Kahuna, San Juan, La Union	Surfing	Southern Luzon & Others	
Vermosa Sports Hub Imus, Cavite	Underwater Hockey	Southern Luzon & Others	
Sta. Rosa Sports Complex Sta. Rosa, Laguna	Netball	Southern Luzon & Others	
LB Centro Mall & Convention Center Los Baños, Laguna	Floorball Indoor Hockey	Southern Luzon & Others	

SECTION 11: TECHNICAL SPECIFICATIONS

The winning bidder shall provide the necessary services in connection with each of the project components, which shall include, but not limited to, the following:

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 services 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 unamended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent testdata, 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 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 o the</p>

		provisions of ITB Clause 3.1 (a)(ii) and/or GCC Clause 2.1 (a)(ii).
1	PROVISION OF LIGHTS, AUDIO AND TRUSSES FOR VARIOUS COMPETITION AND NON-COMPETITION VENUES OF THE SEA GAMES	
1.1	Assist in planning and development of Lights and Audio implementation mentioned in the terms of reference of the SEA Games.	
1.2	Conduct Venue Inspections	
1.3	Submission of Technical Proposal	
1.4	Supervise the successful conduct of the games in terms of installation and commissioning of specified lights and sounds in identified venues.	
1.5	Provide day-to-day project management, supervision and coordination of all implementation and on-site technical support and operational activities	
1.6	Provide dismantling and egress services after the SEA Games, no later than Dec.15, 2019	
1.7	Provide personnel who are able to provide respective services including providing technical advice, coordination with other parties, attendance to work, carry out all necessary works for the completion of assigned task or ad-hoc works.	
1.8	Upon the discretion of the End User, certain lights/audio/trusses maybe requested to be deployed and transferred to other SEAG venues as the need arises.	
1.9	ANNEX A – Equipment's List Specification ANNEX B – Deployment Breakdown	
2	PROVISION OF TEMPORARY POWER / GENERATOR SETS FOR SELECTED COMPETITION AND NON-COMPETITION VENUES OF THE SEA GAMES	
2.1	Assist in planning and development of temporary power solutions for the lights, audio and video system mentioned in the terms of reference of the SEA Games(With certificates)	
2.2	Conduct Venue Inspections(With certificates)	
2.3	Submission of Technical Proposal	
2.4	Supervise the successful conduct of the games in terms of installation and commissioning of	

	temporary power and generator sets in identified venues	
2.5	Provide day-to-day project management, supervision and coordination of all implementation and on-site technical support and operational activities	
2.6	Provide dismantling and egress services after the SEA Games, no later than Dec.15, 2019	
2.7	Upon the discretion of the End User, certain Temporary Power equipment maybe requested to be deployed and transferred to other SEAG venues as the need arises.	
2.8	Upon the discretion of the End User, certain temporary power/generator sets maybe requested to be deployed and transferred to other SEAG venues as the need arises.	
2.9	ANNEX C – TEMPORARY POWER SYSTEM ANNEX D - DEPLOYMENT BREAKDOWN	
3	PROVISION OF LED SCREENS FOR SELECTED COMPETITION AND NON-COMPETITION VENUES OF THE SEA GAMES	
3.1	Assist in planning and development of LED solutions mentioned in the terms of reference of the SEA Games	
3.2	Conduct Venue Inspections	
3.3	Submission of Technical Proposal	
3.4	Supervise the successful conduct of the games in terms of installation and commissioning of LED screens in identified venues	
3.5	Provide day-to-day project management, supervision and coordination of all implementation and on-site technical support and operational activities	
3.6	Provide dismantling and egress services after the SEA Games, no later than Dec.15, 2019	
3.7	Provide personnel who are able to provide respective services including providing technical advice, coordination with other parties, attendance to work, carry out all necessary works for the completion of assigned task or ad-hoc works.	
3.8	Provide the following LED screens at the following venues. One (1) Set of LED screen is 10 Square Meters:	

3.8.1	ATHLETICS – 4 SETS – OUTDOOR	
3.8.2	AQUATICS – 3 SETS – OUTDOOR	
3.8.3	GYMNASTICS – 1 SETS – INDOOR	
3.8.4	TAEKWONDO – 1 SETS – INDOOR	
3.8.5	BASKETBALL 5 ON 5 – 4 SETS – INDOOR	
3.8.6	BADMINTON – 1 SETS – INDOOR	
3.8.7	VOLLEYBALL – 2 SETS – INDOOR	
3.8.8	FOOTBALL (M) – 4 SETS – OUTDOOR	
3.8.9	BOXING – 1 SETS – INDOOR	
3.8.10	E-SPORTS – 14 SETS – INDOOR	
3.9	<p>For each sporting venue stated in 3.7, the winning bidder shall install and supply LED screens in any of the following areas of said venues:</p> <ul style="list-style-type: none"> • FOP (Field of Play): <p>As one part of SEA Games, scoring, and sport presentation.</p> • Beside the FOP: <p>As a replay screen and advertising display.</p> • Outside the Venue: <p>During the SEA Games proper, a number of the spectators or audience will be unable to enter venue watch the games. Thereby, the LED screen/s outside the venue will livestream the SEA Games.</p> • Fan Zone <p>During the SEA Games proper, a fan zone will be needed where the LED screen will serve as the backdrop of the stage.</p> 	
3.10	<p>LED screens must have the following functions, capabilities and features:</p> <ul style="list-style-type: none"> • Able to display the scores • Be in part of sports presentation 	

	<ul style="list-style-type: none"> • Livestream of games • Slow motion replay of games • Be consistent with the Look and Feel of the Games • Related truss system • Basic sending and receiving system • Power distribution box. 	
3.11	Upon the discretion of the End User, certain LED equipment maybe requested to be deployed and transferred to other SEAG venues as the need arises.	
3.12	ANNEX E – LED TECHNICAL SPECS ANNEX F - DEPLOYMENT BREAKDOWN	
4	DEPLOYMENT OF MANPOWER RESPONSIBLE FOR MANAGING THE ENTIRE PROJECT, INSTALLATION, TESTING, MONITORING AND MAINTENANCE	
4.1	<p>PROJECT MANAGER: 1 PAX</p> <p>JOB DESCRIPTION: Lead and manage the whole process of the project from start until completion for ALL venues.</p> <p>MINIMUM QUALIFICATION: Certificate/Diploma Engineering or similar level of education. Minimum five (5) years of related experience. And Curriculum Vitae</p>	
4.1	<p>VENUE MANAGER: 4 PAX</p> <p>JOB DESCRIPTION: Lead and manage the whole process of the project from start until completion for each venue.</p> <p>MINIMUM QUALIFICATION: Certificate/Diploma in Engineering or similar level of education, has experience working in setting up venue management. Minimum</p>	

	three (3) years of related experience. And Curriculum Vitae	
4.2	<p>ELECTRICIANS 25 PAX</p> <p>JOB DESCRIPTION: Install equipment, distribution boards, ancillaries and cables. Install all aspects of fuel supply line (fuel tank, generators).</p> <p>MINIMUM QUALIFICATION: Certified Electrician / Certificate in Electrical control or similar level of education certificate such as National Certificate level 2 (NC2). Minimum three (3) years of related experience. And Curriculum Vitae</p>	
4.3	<p>MECHANIC 5 PAX</p> <p>JOB DESCRIPTION: Support all venues in one cluster on all equipment related issues. Provide overall technical support and able to travel to site where necessary.</p> <p>MINIMUM QUALIFICATION: Certified Mechanic / Certificate in Mechanic or similar level of education certificate such as National Certificate level 2 (NC2). Minimum three (3) years of related experience. And Curriculum Vitae</p>	
4.4	<p>CERTIFIED WELDER 5 PAX</p> <p>JOB DESCRIPTION: Create welds of acceptable quality following a well-defined welding procedure. Maintain the welding equipment and make sure it's properly completed and safe to use.</p> <p>MINIMUM QUALIFICATION: Certified Welder with National Certificate level 2 (NC2). Minimum three (3) years of related experience. And Curriculum Vitae</p>	

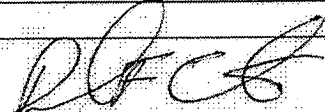

4.5	<p>AUDIO TECHNICIAN 12 PAX</p> <p>JOB DESCRIPTION: Responsible for setting up sound and recording equipment, making adjustments and testing the equipment and assisting with recordings or sound production.</p> <p>MINIMUM QUALIFICATION: Have work in with audio equipment and knowledgeable in using speaker and audio equipment. And Curriculum Vitae</p>	
4.6	<p>LIGHTING TECHNICIAN 12 PAX</p> <p>JOB DESCRIPTION Responsible for setting up lighting and control equipment, making adjustments and testing the equipment and assisting with recordings or light production.</p> <p>MINIMUM QUALIFICATION Have work in with light equipment and knowledgeable in using light and lighting equipment. And Curriculum Vitae</p>	
4.7	<p>RIGGER 12 PAX</p> <p>JOB DESCRIPTION Responsible for setting up truss and hanging point for lighting and audio equipment.</p> <p>MINIMUM QUALIFICATION Certified scaffolders with National Certificate level 2 (NC2). Minimum three (3) years of related experience. And Curriculum Vitae</p>	
4.8	<p>LABOR 50 PAX</p> <p>JOB DESCRIPTION: Performing their duties in the manner which they have been guided correctly and instructed. Responsible for working in a safe manner.</p>	

	Ensure the work place is kept in a tidy manner. Ensure that the quality of work is controlled and checked by the technician/project lead.	
4.9	ANNEX G - MANPOWER	

SECTION 12: TERMS, CONDITIONS AND SCHEDULE OF PAYMENTS

The payment of the contract price shall be based on the progress completion as follows:

Milestones	Amount (In PhP)
Mobilization fee upon issuance of the Notice to Proceed	15% of the ABC
Upon approval of complete Technical Proposal	35% of the ABC
Upon Certification of Availability of Equipment	25% of the ABC
Upon Complete Installation and deployment of all equipment	15% of the ABC
Upon Dismantling and Egress of all equipment installed	10% of the ABC

Prepared By:  DAVID CARTER Venues Director, PHISGOC	Reviewed By:  RAMON SUZARA Chief Operating Officer, PHISGOC
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ANNEX A – Lights, Sounds and Rigging Equipment List and Breakdown

SPECIFICATION	QUANTITY	UNIT
AUDIO, LIGHTS AND RIGGING SYSTEM		
SPEAKER AND AUDIO SYSTEM		
2x 12"2-way Speaker frequency response: 60Hz-18kHz sensitivity (1W/1m): 100dB; Maximum sound pressure level (1m): 120dB (peak) rated power (AES): 200W-3200 nominal impedance: 4-8 Ω Component: 2 x 12"	94.00	pcs
2x 10" Speaker frequency response: 60Hz-18kHz sensitivity (1W/1m): 100dB; Maximum sound pressure level (1m): 120dB (peak) rated power (AES): 200W-3200 nominal impedance: 4-8 Ω Component: 2 x 10"low, 2x1.5" High	95.00	pcs
12" 2-way speaker frequency response: 60Hz-18kHz sensitivity (1W/1m): 100dB; Maximum sound pressure level (1m): 120dB (peak) rated power (AES): 200W-3200 nominal impedance: 4-8 Ω Component: 1 x 12" Low, 1x1.5" High	211.00	pcs
dual 8" 2way Speaker frequency response: 60Hz-18kHz sensitivity (1W/1m): 90dB; Maximum sound pressure level (1m): 120dB (peak) rated power (AES): 200W-3200 nominal impedance: 4-8 Ω Component: 2 x 8" Low, 1x1.5" high	102.00	pcs
24 CH Digital Mixer Compact24 input channels, 12 buses, XLR output / output. 2 headphone monitor sockets (manufacturers standard)	58.00	pcs
12 CH Analog Mixer Compact12 input channels, XLR input / output. 2 headphone monitor sockets (manufacturers standard)	37.00	pcs
8 Channel Passive Audio Distributor Compact8 input channels, XLR output	59.00	pcs
WIRELESS MIC SPECS Sound, receiver Frequency response: 100Hz-16kHz, ±3dB	51.00	pcs

Signal to noise ratio: >85 dB Crosstalk: >40 dB		
Laptop System: Windows 10 Hard disk capacity: 256GB SSD Video Card Category: Integrated Video Card Screen size: 12.5 inches Memory capacity: 4G Resolution: Full HD screen (1920 x 1080)	59.00	pcs
USB Sound Card Supports 5.1 surround sound Supports digital record standard: 100hz or higher Supports audio mixing and recording. Compatible with Win98SE/ME/2000/XP/7/Mac OS 9.1	59.00	pcs
UPS Power Supply 815W, 220VAC, 5 outlets with automatic voltage regulator	59.00	pcs
Speaker Cable Copper Speaker cable with SpeaCon (Speaker Connector) Minimum copper size: 28AWG	3,050.00	mts
Signal Cable Copper signal cable Minimum copper size: 28AWG	3,050.00	mts
Power Cable - For Audio Copper power cable with cee form male and female connector Minimum copper size: 1.25mm ²	3,050.00	mts
LIGHTING SYSTEM		
140W Sports Lighting Color Temperature : 5180K +/- 180k Color-rendering Index : ≥80 Input Voltage : AC 100-240V Initial Flux 15400-65000lm IP Rating : IP65	42.00	pcs
190W Sports Lighting Color Temperature : 5180K +/- 180k Color-rendering Index : ≥80 Input Voltage : AC 100-240V Initial Flux 15400-65000lm IP Rating : IP65	26.00	pcs
280W Sports Lighting Color Temperature : 5180K +/- 180k Color-rendering Index : ≥80 Input Voltage : AC 100-240V Initial Flux 15400-65000lm IP Rating : IP65	272.00	pcs
300W Sports Lighting	144.00	pcs

<p>Color Temperature : 5180K +/- 180k Color-rendering Index : ≥80 Input Voltage : AC 100-240V Initial Flux 15400-65000lm IP Rating : IP65</p>		
<p>500W Sports Lighting Color Temperature : 5180K +/- 180k Color-rendering Index : ≥80 Input Voltage : AC 100-240V Initial Flux 15400-65000lm IP Rating : IP65</p>	<p>148.00</p>	<p>pcs</p>
<p>Power Cable - For Lighting Copper power cable with cee form male and female connector Minimum copper size: 1.25mm²</p>	<p>3,050.00</p>	<p>mts</p>
<p>RIGGING SYSTEM</p>		
<p>Truss SPECS per PC: Size : 400mmx400mm Main Tube: 50mmx3mm Sub-main Tube: 50mmx2mm Brace Tube: 25mmx2mm Minimum length of truss: 1m</p>	<p>1,707</p>	<p>pcs</p>
<p>1 Ton Hoist Motors Rated Capacity: 1 ton / 900kgs Rated Voltage: 230VAC, 3phase, 50-60Hz Complete with hooks and chain set Control Voltage: 24VDC</p>	<p>150.00</p>	<p>sets</p>

ANNEX B – Lights, Sounds and Rigging Deployment Breakdown

CLUSTER	SPORT / EVENT	VENUE	2x 12" 2-way speaker	2x 10" Speaker	12" 3-way speaker	dual 8" 2way Speaker	24 CH Digital Mixer	12 CH Analog Mixer	Wireless Mic Set	8 Channel Passive Audio Distributor	Laptop	USB Sound Card	UPS Power Supply	Truss	Hoist Motor	Audio Power Cable	Signal Cable	Speaker cable
CLARK	Aquatics	New Clark City	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				50.00
CLARK	Athletics	New Clark City	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				50.00
CLARK	Obstacle Course	Clark Global City	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00				50.00
CLARK	Paratque	Clark Global City	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00				50.00
CLARK	Lawn Balls	Clark Global City	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00				50.00
CLARK	Shooting	TBD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				50.00
CLARK	Archery	Parade Grounds	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00				50.00
CLARK	Rugby	Parade Grounds	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00				50.00
CLARK	Baseball	The Villages	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00				50.00
CLARK	Softball	The Villages	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				50.00
CLARK	Dance Sport	Royce Hotel	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00				50.00
CLARK	Golf	Lutite	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				50.00
CLARK	Indo / Judo / Karash	Lana Group Conv Center	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00				50.00
CLARK	Arnis / Sambo / Wrestling	Angelas Univ Foundation	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00				50.00
CLARK	Wakboarding	DECA Warka Park	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				50.00
MANILA	E Sports / 3x3 Basketball	FIJI Arena	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00				50.00
MANILA	Bhinas	Mamba Hotel Tent	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00				50.00
MANILA	Weightlifting	Ninoy Aquino Stadium	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00				50.00
MANILA	Taekwondo	Ninoy Aquino Stadium	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00				50.00
MANILA	Boxing	PCC Forum	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00				50.00
MANILA	Kick Boxing	Cinema Astrodome	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				50.00
MANILA	Football (M)	RMSC Stadium / Bhiran Stadium	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00				50.00
MANILA	Soft Tennis	RMSC Tennis Courts	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				50.00
MANILA	Tennis	RMSC Tennis Courts	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				50.00
MANILA	Basketball (5x5)	MOA Arena	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00				50.00
MANILA	Ice Hockey	SM MOA (Ice Rink)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00				50.00
MANILA	Gymnastics	TBD	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00				50.00
MANILA	Bowling	TBD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				50.00
MANILA	Badminton	Market Coliseum / Mount	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00				50.00
MANILA	Squash	RMSC	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00				50.00
MANILA	Ice Skating - Figure Skating	SM Megamall (Ice Rink)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				50.00
MANILA	Ice Skating - Speed Skating	SM Megamall (Ice Rink)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				50.00
MANILA	Muho	WTC Shals A-B	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00				50.00
MANILA	Fencing	WTC Shals A-B	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				50.00
MANILA	Volleyball - Indoor	ULTRA	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00				50.00
MANILA	Canoe / Kayak	Kamana Resort	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00				50.00
MANILA	TFR Dragon Boat	Kamana Resort	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00				50.00
MANILA	Travelers Hotel	Kamana Resort	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				50.00
SUBIC	Musy	SBECC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				50.00
SUBIC	Penhas Slat	SBECC	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00				50.00
SUBIC	Table Tennis	SBECC	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00				50.00
SUBIC	Dartition	SUBIC Bay Boardwalk	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00				50.00
SUBIC	Quadron	SUBIC Bay Boardwalk	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				50.00
SUBIC	Open Water Swimming	SUBIC Bay Boardwalk	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00				50.00
SUBIC	Modern Pentathlon	SUBIC Bay Boardwalk	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				50.00
SUBIC	Sailing	SUBIC Bay Yacht Club	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00				50.00
SUBIC	Wind Surfing	SUBIC Bay Yacht Club	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				50.00
SUBIC	Shpak Takedown	SUBIC Gym	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				50.00
SUBIC	Handball & Volleyball - Beach	SUBIC Tennis Court	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00				50.00
SUBIC	Revolving	Thosa Bay	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00				50.00
OTHERS	Polo	Carabagan	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				50.00
OTHERS	Cycling - BMX	Tarayay	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				50.00
OTHERS	Cycling - Road	Tarayay	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				50.00
OTHERS	Cycling - MTB	Tarayay	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				50.00
OTHERS	Skateboarding	Tarayay	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00				50.00
OTHERS	Football (W)	Alman Football	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				50.00
OTHERS	Surfing	San Juan	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00				50.00
OTHERS	Underwater Hockey	Verdosa Sports Hub	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00				50.00
OTHERS	Hockey	San Rosa Complex	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00				50.00
OTHERS	Hockey - Indoor	San Rosa Complex	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				50.00
OTHERS	Floorball	UB Centro Mall	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00				50.00
OTHERS	Handball	UB Centro Mall	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00				50.00
TOTAL			94.00	95.00	211.00	102.00	58.00	37.00	51.00	59.00	59.00	59.00	59.00	59.00	1,707.50	150.00	3,050.00	3,050.00

ANNEX C

SPECIFICATION

QUANTITY UNIT

SPECIFICATION	QUANTITY	UNIT
TEMPORARY POWER SYSTEM		
ATHLETES VILLAGE - NEW CLARK CITY		
Diesel Generator with a group capacity of 1200KVA or more 230VAC/400VAC, 3Phase, 60Hz Line to Line: 400VAC output Line to Neutral: 230VAC output Synchronization compatible	5	lot
Electrical Distribution Panels 6 ports 3 prong cee form female connector with 32amps circuit protection, main connector is 60amps 5 prong cee form male connector	144	pcs
Wire and Cables minimum length of cables is 75meters with cam lock connector Minimum copper size is 3.5mmsq	2500	mts
TAEKWONDO & WEIGHTLIFTING - NINOY AQUINO STADIUM		
Diesel Generator with a group capacity of 900KVA or more 230VAC/400VAC, 3Phase, 60Hz Line to Line: 400VAC output Line to Neutral: 230VAC output Synchronization compatible	1	lot
Electrical Distribution Panels 6 ports 3 prong cee form female connector with 32amps circuit protection, main connector is 60amps 5 prong cee form male connector	12	pcs
Wire and Cables minimum length of cables is 75meters with cam lock connector Minimum copper size is 3.5mmsq	500	mts
FOOTBALL - RIZAL MEMORIAL STADIUM		
Diesel Generator with a group capacity of 900KVA or more 230VAC/400VAC, 3Phase, 60Hz Line to Line: 400VAC output Line to Neutral: 230VAC output Synchronization compatible	1	lot
Electrical Distribution Panels 6 ports 3 prong cee form female connector with 32amps circuit protection, main connector is 60amps 5 prong cee form male connector	15	pcs
Wire and Cables	432	mts

minimum length of cables is 75meters with cam lock connector Minimum copper size is 3.5mmsq		
VOLLEYBALL - INDOOR - ULTRA		
Diesel Generator with a group capacity of 1200KVA or more 230VAC/400VAC, 3Phase, 60Hz Line to Line: 400VAC output Line to Neutral: 230VAC output Synchronization compatible	1	lot
Electrical Distribution Panels 6 ports 3 prong cee form female connector with 32amps circuit protection, main connector is 60amps 5 prong cee form male connector	26	pcs
Wire and Cables minimum length of cables is 75meters with cam lock connector Minimum copper size is 3.5mmsq	750	mts
GYMNASTICS – ARTISTIC, RYTHMIC, AEROBIC - RMSC BASKETBALL		
Diesel Generator with a group capacity of 900KVA or more 230VAC/400VAC, 3Phase, 60Hz Line to Line: 400VAC output Line to Neutral: 230VAC output Synchronization compatible	1	lot
Electrical Distribution Panels 6 ports 3 prong cee form female connector with 32amps circuit protection, main connector is 60amps 5 prong cee form male connector	6	pcs
Wire and Cables minimum length of cables is 75meters with cam lock connector Minimum copper size is 3.5mmsq	500	mts
E-SPORTS / 3X3 BASKETBALL - FILOIL ARENA		
Diesel Generator with a group capacity of 900KVA or more 230VAC/400VAC, 3Phase, 60Hz Line to Line: 400VAC output Line to Neutral: 230VAC output Synchronization compatible	1	lot
Electrical Distribution Panels 6 ports 3 prong cee form female connector with 32amps circuit protection, main connector is 60amps 5 prong cee form male connector	14	pcs
Wire and Cables minimum length of cables is 75meters with	625	mts

cam lock connector Minimum copper size is 3.5mmsq		
IBC/MPC - ASEAN CONVENTION CENTER		
Diesel Generator with a group capacity of 1200KVA or more 230VAC/400VAC, 3Phase, 60Hz Line to Line: 400VAC output Line to Neutral: 230VAC output Synchronization compatible	1	lot
Electrical Distribution Panels 6 ports 3 prong cee form female connector with 32amps circuit protection, main connector is 60amps 5 prong cee form male connector	26	pcs
Wire and Cables minimum length of cables is 75meters with cam lock connector Minimum copper size is 3.5mmsq	840	mts
AQUATIC CENTER & ATHLETICS STADIUM - NEW CLARK CITY		
Diesel Generator with a group capacity of 900KVA or more 230VAC/400VAC, 3Phase, 60Hz Line to Line: 400VAC output Line to Neutral: 230VAC output Synchronization compatible	2	lot
Electrical Distribution Panels 6 ports 3 prong cee form female connector with 32amps circuit protection, main connector is 60amps 5 prong cee form male connector	26	pcs
Wire and Cables minimum length of cables is 75meters with cam lock connector Minimum copper size is 3.5mmsq	1000	mts
SEPAK TAKRAW - SUBIC GYM		
Diesel Generator with a group capacity of 900KVA or more 230VAC/400VAC, 3Phase, 60Hz Line to Line: 400VAC output Line to Neutral: 230VAC output Synchronization compatible	1	lot
Electrical Distribution Panels 6 ports 3 prong cee form female connector with 32amps circuit protection, main connector is 60amps 5 prong cee form male connector	16	pcs
Wire and Cables minimum length of cables is 75meters with cam lock connector	400	mts

Minimum copper size is 3.5mmsq		
Obstacle Course, Petangue and Lawn Ball - CLARK GLOBAL CITY		
Diesel Generator with a group capacity of 600KVA or more 230VAC/400VAC, 3Phase, 60Hz Line to Line: 400VAC output Line to Neutral: 230VAC output Synchronization compatible	1	lot
Electrical Distribution Panels 6 ports 3 prong cee form female connector with 32amps circuit protection, main connector is 60amps 5 prong cee form male connector	6	pcs
Wire and Cables minimum length of cables is 75meters with cam lock connector Minimum copper size is 3.5mmsq	600	mts
BADMINTON - MAKATI COLISEUM		
Diesel Generator with a group capacity of 900KVA or more 230VAC/400VAC, 3Phase, 60Hz Line to Line: 400VAC output Line to Neutral: 230VAC output Synchronization compatible	1	lot
Electrical Distribution Panels 6 ports 3 prong cee form female connector with 32amps circuit protection, main connector is 60amps 5 prong cee form male connector	5	pcs
Wire and Cables minimum length of cables is 75meters with cam lock connector Minimum copper size is 3.5mmsq	450	mts
5x5 Basketball		
Diesel Generator with a group capacity of 1200KVA or more 230VAC/400VAC, 3Phase, 60Hz Line to Line: 400VAC output Line to Neutral: 230VAC output Synchronization compatible	1	lot
Electrical Distribution Panels 6 ports 3 prong cee form female connector with 32amps circuit protection, main connector is 60amps 5 prong cee form male connector	26	pcs
Wire and Cables minimum length of cables is 75meters with cam lock connector Minimum copper size is 3.5mmsq	750	mts

ANNEX D – Temporary Power System Deployment Breakdown

CLUSTER	SPORT / EVENT	VENUE	Generator Set			Electrical Distribution Panels	Temporary power cables
			900KVA	200KVA	1200KVA		
CLARK	Aquatics	New Clark City	1			12	500
CLARK	Athletics	New Clark City	1			14	500
CLARK	Obstacle Course	Clark Global City		1		2	200
CLARK	Petangue	Clark Global City		1		2	200
CLARK	Lawn Balls	Clark Global City		1		2	200
MANILA	E Sports / 3X3 Basketball	Filoli Arena			1	14	625
MANILA	Weightlifting / Taekwondo	Ninoy Aquino Stadium	1			12	500
MANILA	Football (M)	RMSC Stadium			1	15	432
MANILA	Gymnastics	RMSC Basketball Coliseum		1		15	432
MANILA	Badminton	Makati Coliseum	1			6	500
MANILA	5x5 Basketball	Makati Coliseum	1			5	450
MANILA	Volleyball - Indoor	MOA Arena			1	26	750
MANILA	Sepak Takraw	ULTRA			1	26	750
SUBIC	IBC/MPC	Subic Gym	1			16	400
CLARK	ATHLETES VILLAGE	ASEANA Convention Center			1	26	840
CLARK		New Clark City			5	144	2500
TOTAL			6.00	4.00	9.00	322.00	9,347.00

ANNEX E: LED SPECS

ONE SET = 10 SQM LED

SPECIFICATION	QUANTITY	UNIT
LED VIDEO SYSTEM		
ATHLETICS	4	set
Pixel Pitch:4.9, Pixel Pixel Configuration: SMD2020 black Brightness 2500(nit)Module Resolution:128*128 View angle 160 degrees (H)x120 degrees (V) Minimum Cabinet size(mm) 500x500x75 Module Size: 250*250mm Pixel Density: 147,456 pixels/mm2 Nominal input voltage: AC100-240		
AQUATICS	3	set
Pixel Pitch:4.9, Pixel Pixel Configuration: SMD2020 black Brightness 2500(nit)Module Resolution:128*128 View angle 160 degrees (H)x120 degrees (V) Minimum Cabinet size(mm) 500x500x75 Module Size: 250*250mm Pixel Density: 147,456 pixels/mm2 Nominal input voltage: AC100-240		
GYMNASTICS	1	set
Pixel Pitch:4.9, Pixel Pixel Configuration: SMD2020 black Brightness 2500(nit)Module Resolution:128*128 View angle 160 degrees (H)x120 degrees (V) Minimum Cabinet size(mm) 500x500x75 Module Size: 250*250mm Pixel Density: 147,456 pixels/mm2 Nominal input voltage: AC100-240		
TAEKWONDO	1	set
Pixel Pitch:4.9, Pixel Pixel Configuration: SMD2020 black Brightness 2500(nit)Module Resolution:128*128 View angle 160 degrees (H)x120 degrees (V) Minimum Cabinet size(mm) 500x500x75 Module Size: 250*250mm Pixel Density: 147,456 pixels/mm2 Nominal input voltage: AC100-240		
BASKETBALL 5X5	4	set
Pixel Pitch:4.9, Pixel Pixel Configuration: SMD2020 black Brightness 2500(nit)Module Resolution:128*128 View angle 160 degrees (H)x120 degrees (V)		

Minimum Cabinet size(mm) 500x500x75 Module Size: 250*250mm Pixel Density: 147,456 pixels/mm2 Nominal input voltage: AC100-240	
BADMINTON	1 set
Pixel Pitch:4.9, Pixel Pixel Configuration: SMD2020 black Brightness 2500(nit)Module Resolution:128*128 View angle 160 degrees (H)x120 degrees (V) Minimum Cabinet size(mm) 500x500x75 Module Size: 250*250mm Pixel Density: 147,456 pixels/mm2 Nominal input voltage: AC100-240	
VOLLEYBALL	2 set
Pixel Pitch:4.9, Pixel Pixel Configuration: SMD2020 black Brightness 2500(nit)Module Resolution:128*128 View angle 160 degrees (H)x120 degrees (V) Minimum Cabinet size(mm) 500x500x75 Module Size: 250*250mm Pixel Density: 147,456 pixels/mm2 Nominal input voltage: AC100-240	
FOOTBALL	4 set
Pixel Pitch:10, Pixel Pixel Configuration: SMD2020 black Brightness 2500(nit)Module Resolution:128*128 View angle 160 degrees (H)x120 degrees (V) Minimum Cabinet size(mm) 500x500x75 Module Size: 250*250mm Pixel Density: 147,456 pixels/mm2 Nominal input voltage: AC100-240	
BOXING	1 set
Pixel Pitch:4.9, Pixel Pixel Configuration: SMD2020 black Brightness 2500(nit)Module Resolution:128*128 View angle 160 degrees (H)x120 degrees (V) Minimum Cabinet size(mm) 500x500x75 Module Size: 250*250mm Pixel Density: 147,456 pixels/mm2 Nominal input voltage: AC100-240	
E-SPORTS	14 set
Pixel Pitch:4.9, Pixel Pixel Configuration: SMD2020 black Brightness 2500(nit)Module Resolution:128*128 View angle 160 degrees (H)x120 degrees (V) Minimum Cabinet size(mm) 500x500x75	

Module Size: 250*250mm
Pixel Density: 147,456 pixels/mm²
Nominal input voltage: AC100-240

ANNEX F – LED Video Deployment Breakdown

CLUSTER	SPORT / EVENT	VENUE	Indoor P4 LED Video Wall		Outdoor P10 LED Video Wall	
			LED Video Wall	LED Video Wall	LED Video Wall	LED Video Wall
CLARK	Aquatics	New Clark City	4			
CLARK	Athletics	New Clark City		3		
MANILA	E Sports / 3X3 Basketball	Filoli Arena		14		
MANILA	Taekwondo	Ninoy Aquino Stadium		1		
MANILA	Boxing	PICC Forum		1		
MANILA	Football (M)	RMSC Stadium / Binan Stadium			4	
MANILA	Basketball (5x5)	MOA Arena	4			
MANILA	Gymnastics	TBD		1		
MANILA	Badminton	Makati Coliseum / Muntl		1		
MANILA	Volleyball - Indoor	ULTRA		2		
TOTAL			31		4	

ANNEX G

SPECIFICATION	QUANTITY	UNIT
MANPOWER SUPPORT		
Project Manager	1	pax
Venue Manager	4	pax
Electrician	25	pax
Labor	50	pax
Mechanic	5	pax
Certified Welder	5	pax
Audio Technician	12	pax
Lighting technician	12	pax
Rigger	12	pax

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