



PAMBANSANG MUSEO NG PILIPINAS
NATIONAL MUSEUM OF THE PHILIPPINES

BID BULLETIN
NO. 2023-01

Project Title : **Rehabilitation and Upgrade of Network Infrastructure NMP Complex**

Item No. 1 : Bidder's Inquiry

Question	Response
NMFA - NMA Backbome - OM3 MMF (Multi-Mode Fiber) replacement with OS2 SMF 12 Core Fiber Optic Cable Fiber OSP cable, lightScope ZWP® All-Dielectric Self-Supporting, 2.5 mm Gel-filled Tubes, 12 fibers, Singlemode G.652.D and G.657.A1, Meters jacket marking, Black jacket color - in relation with PFCS - Powered Fiber Cable System provisioning for the connection of your CCTV installation across Agrifina Circle (AF).	Accepted, since the required number of cores did not reduce.
OC SMF 9u/125u Fiber item below should be changed. <ul style="list-style-type: none">• Fiber Patch Panel/ODF from MMF to SMF type.• Fiber connector SC to SC replace to LC/LC SMF connector.• Fiber Patch Cord LC/LC SMF yellow color 3.0M	Accepted, since the FOC backbone from the NMFA to NMA will change.
NMA MDF to Agrifina Circle - Fiber Backbone component using PFCS <ul style="list-style-type: none">• Rectifier - 001_CTL_Rectifier - Q21 – rev1<ul style="list-style-type: none">• 19" 4U Subrack System c/w:<ul style="list-style-type: none">○ 4 Rectifier Position○ MFU, LLVD, BLVD included○ AC Distribution 1P+N+PE:○ BLVD MCBs: 32A/1P×2, 10A/1P×2○ LLVD MCBs: 63A/1P×2, 32A/1P×2○ Battery MCBs: 2*63A○ Temperature sensor cable (optional)○ Included IB2 board• Enclosure Cabinet - 001_CTL_Rectifier_rev3 Model No.: EPC48300/2900-F2	Accepted, the Outdoor Server Cabinet B will consider to change the specs.

<p>Item Code: 02402099</p> <p>EPC48300/2900-F2 Outdoor Cabinet</p> <p>2030(H)×700(W)×700(D) c/w:</p> <ul style="list-style-type: none"> ○ Cooling: forced ventilation (1500W cooling capacity) ○ 20U 19" free space ○ 2 battery shelves, each shelf <p>330(H)×610(W)×580(D)</p> <ul style="list-style-type: none"> • Commscope POE Extender: POE Extender, 2 Port Universal Mount, Outdoor, 2-Port Environmentally sealed and tested . Electrical power management Circuit protection electronics Optical to electrical Media Conversion Automatically conditions electrical voltage to the correct level 2 independent PoE ports 	
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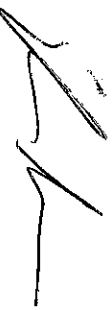
Item No. 2 : Revisions on Section VII: Technical Specifications & Annex “C”

Original	Revised
<p>Fiber Optic Cable:</p> <ul style="list-style-type: none"> • At least Multimode OM 3 • Number of cores: 8 cores at least 50/125 micrometer • At least outdoor with 1 messenger wire. 	<p>Fiber Optic Cable:</p> <ul style="list-style-type: none"> • At least Single mode SMF OS2 • Number of cores at least 12 cores size • At least outdoor with 1 messenger wire • Self-supporting, 25. Mm Gel-filled Tubes • Support powered Fiber Optic Cable
<p>Optical Distribution Frame:</p> <ul style="list-style-type: none"> • Number of ports: 24 • Size: 1U • Loaded with LC Connectors (24 pcs). 	<p>Optical Distribution Frame:</p> <ul style="list-style-type: none"> • Number of ports: 24 • Size: 1U • Loaded with LC Connectors (24 pcs) • Support Single Mode Fiber (SMF)
<p>SFP+LC SR Transceiver Module:</p> <ul style="list-style-type: none"> • Connection port LC Duplex • Multimode • Must be compatible with the following: Core 	<p>SFP+LC SR Transceiver Module:</p> <ul style="list-style-type: none"> • Connection port LC Duplex • Single mode • Must be compatible with the following: Core

Switch HP Aruba 2930F 24 POE+FOC OM3.	Switch HP Aruba 2930F 24 POE+FOC OS2 SMF
Fiber Patch Cord: <ul style="list-style-type: none">• At least 1 meter• Type: Multimode OM3• LC to LC• Duplex• At least 50/125 micrometer.	Fiber Patch Cord: <ul style="list-style-type: none">• At least 3 meters• Type: Single mode OS2• LC to LC• Duplex• At least 9/125 micrometer
Outdoor Server Cabinet: <ul style="list-style-type: none">• At least IP55 standard• Dimension: LxWxH: at least 750mm x 650mm x 1000mm.	Outdoor Server Cabinet: <ul style="list-style-type: none">• At least IP55 standard• Dimension: at least 2030(H) x 700(W) x 700 (D)• Cooling: forced ventilation at least 1500W cooling capacity• Reserved space 36 U flexible 19 inches space shared by power system, batteries and user equipment• With battery shelves, each shelf at least 330(H) x 610 (W) x 580 (D) mm

Done this 19th day of October 2023.

Prepared by:



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Approved by:

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ENCL: NONE
CC: NONE
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