



A Tenaga Nasional Subsidiary

RFQ NOTICE

Tenderers are invited from suppliers / contractors registered with Ministry of Finance (MOF) / Construction Industry Development Board Malaysia (CIDB) / Tenaga Nasional Berhad (TNB) and/or Allo Technology Sdn. Bhd. (Allo) for supply / work as follows:

Description: **RFQ FOR SUPPLY AND/OR SUPPLY & INSTALL BATTERY FOR NOKIA OLT AC VARIANT DF-8G**

Flootation Start Date and Time: **22nd March 2024, Friday**

Closing Date and Time: **1st April 2024, Monday (12:00 NOON)**

Submission of RFQ Document: **To submit physical document duly completed/signed into Tender Box at Allo Office –**

Allo Technology Sdn. Bhd.
Level 3, Left Wing,
College Of Computer Science & It (Csit),
Uniten, 43000 Kajang, Selangor

*Please attach in seal and label the envelope as below:

<p>Allo Technology Sdn Bhd. (Attn: Procurement & Supply Chain)</p> <p>TITLE: RFQ FOR SUPPLY AND/OR SUPPLY & INSTALL BATTERY FOR NOKIA OLT AC VARIANT DF-8G</p> <p>CLOSING DATE: 1st APRIL 2024</p>
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Qualifications: **a) Sdn. Bhd. or Enterprise Companies**
b) Registered with Tenaga Nasional Berhad (TNB)

[CONTACT INFORMATION FOR GENERAL ENQUIRIES](#)

Contact Person: Nurul Syahira binti Mohd Nafiah

Email: syahira@allo.my and procurementallo@allo.my

ALLO TECHNOLOGY SDN BHD
PROCUREMENT UNIT



TYPE OF PURCHASE/PROJECT/JOB TITLE : Supply and/or Supply & Install Battery for Nokia OLT AC Variant DF-8G

No.	Description	U.O.M.	Quantity	Unit Price (RM)	Total (RM)
1	<p>Option A:</p> <p><i>This rate shall include all the cost to supply, install, test and commission a battery for backup during AC power failure, including the supply, delivery to site and installation of other related accessories and peripherals needed to complete the installation and commissioning of the battery.</i></p> <p>Supply and Install Battery.</p> <ul style="list-style-type: none"> - Battery system to be installed in pole mounted cabinet and operates for one to two hours when AC power failed. - Supply and install of battery cable, length is suitable for inside cabinet installation and the blue wire is the BAT (-) while the brown wire is the BATRET (+). Cable has a plug at one side and the other side is to be connected to the local battery power installation as per site practices. - Other related accessories and peripherals to complete the installation and commissioning of the battery. 	unit	200		
				SST 6%	
				GRAND TOTAL	
2	<p>Option B:</p> <p><i>This rate shall include all the cost to supply a battery for backup during AC power failure, including the supply, delivery to Allo warehouse and supply of other related accessories and peripherals needed to complete the installation and commissioning of the battery.</i></p> <p>Supply Only of Battery.</p> <ul style="list-style-type: none"> - Battery system to be installed in pole mounted cabinet and operates for one to two hours when AC power failed. - Supply and install of battery cable, length is suitable for inside cabinet installation and the blue wire is the BAT (-) while the brown wire is the BATRET (+). Cable has a plug at one side and the other side is to be connected to the local battery power installation as per site practices. - Other related accessories and peripherals to complete the installation and commissioning of the battery. 	unit	200		
				SST 6% (if any)	
				GRAND TOTAL	

Bil	Term & Conditions	Compliance	
		Yes	No
1	The proposed battery model shall be compatible with Nokia OLT DF-8G AC variant.		
2	The proposed battery solution shall be approved by Nokia. Supplier to submit approval (endorsement) letter from Nokia.		
3	<p>Site visit is compulsory. The details for site visit are as per following:</p> <p>Location: SJKC Bradwall, Kuala Lukut, Port Dickson Date: 27th March 2024 (Wednesday) Time: To be confirmed by 26th March 2024 (Tuesday)</p> <p>Any cost incurred for site visit (i.e. transportation, etc.) shall be borne by supplier.</p>		
4	The supplier is expected to conduct validation test at their own cost during the evaluation (if required by Allo).		
5	Warranty: 2 years Warranty, One-to-One replacement for any faulty battery within warranty period		
6	Payment Term : Supply only: Upon 100% delivery of works -To be substantiated with verified delivery order by Project Manager		
7	Payment Term : Supply & Install : 90% - upon 100% completion of works, 10% final claim shall be retained as retention sum.		
8	Invoicing Term : 100% payment upon work completion and Allo Technology's acceptance		
9	Material Delivery Lead Time: : 8th April – 6th May 2024		
10	Material Delivery at site: 4 weeks upon purchase order issuance or 1 week upon work order issuance		
11	Installation & Acceptance Testing: 7th May 2024 – onward at RFS sites (Kedah, Perak, Negeri Sembilan)		

Company Name:
PIC Name:
Phone No:
Email:
Date:
Company stamp:

ALLO TECHNOLOGY SDN BHD
PROCUREMENT UNIT



TYPE OF PURCHASE/PROJECT/JOB TITLE : Supply and/or Supply & Install Battery for Nokia OLT AC Variant DF-8G

Specification		Details					Compliance of Technical (Comply/ Not Comply)	Remarks (Vendor to specify)
1	Battery							
a	Brand/Model:	Supplier to specify						
b	General Requirements	Intra-system balancing						
		Flame retardant system to UL94V-0						
		Good high temperature performance						
		High cycle times and long service life						
		Safe Lithium Iron Phosphate Technology						
		Thousands of cycles, under normal conditions						
		High energy density and conversion efficiency						
		Environmental Friendly, without any heavy metals						
		Complete with Battery Management System built-in						
		Can use most standard VRLA chargers for this system						
	Low self discharge rate of 2 years before required recharging							
	Easy installation, can be in 19-inch standard cabinet							
	Built-in automatic protection for over-charge, over-discharge & over-temperature conditions							
c	Rated Capacity (5HR)	10 AH						
d	Nominal Voltage	48.0V						
e	Discharge Ending Voltage	40.5 V						
f	Charging Limited Voltage	54.0 V						
g	Max. Charging Current	10.0 A						
h	Max. Continue Discharging Current	10.0 A						
i	Weight	Should not exceed 9.0kg. Supplier to specify						
j	Display	Supplier to specify						
k	Number of rack unit	1U						
l	Dimensions (W*D*H) mm (inches)	442 (17.4") * 290 (11.42") * 44 (1.73")						
m	Cell Type	Cylindrical cell						
n	Design Life	More than 15 years						
o	Cycle Life	More than 5000 cycles at 80% DOD						
p	IP Class	IP 30						
q	Safety Certificate	Supplier to specify						
r	Certification	SIRIM approval or equivalent						
s	Operating Temperature	Charging: 0 to +55 °C Discharging: -20 to +60°C Storage: -20 to +60°C						
t	Discharge Table	a) Constant Current Discharge Table (Amperes) at 25°C						
		Voltage	Time	1 h	2 h	3 h	5 h	10 h
		End of discharge voltage 40.5 V		9.5 A	4.8 A	3.3 A	2 A	1 A

Date:

Company stamp:

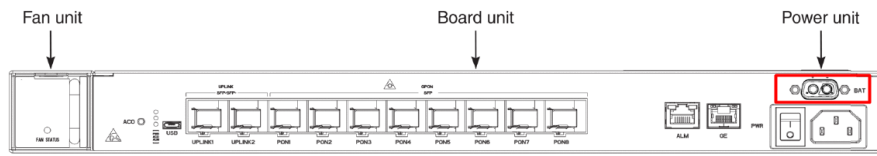
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PROCUREMENT UNIT**

		b) Constant Power Discharge Table (Watts) at 25°C						
		Voltage \ Time	1 h	2 h	3 h	5 h	10 h	
		End of discharge voltage 40.5 V	440 W	229 W	157 W	96 W	48 W	
2	Battery Cable							
a	Compatibility	Shall be compatible with Nokia OLT DF-8G - AC Variant (BAT) power port. (Refer Appendix A)						
b	Cable length	Suitable for inside cabinet installation between OLT to Battery. (Refer Appendix B)						
c	Cable color	Blue wire is the BAT (-) while the brown wire is the BATRET (+)						
d	Cable specification	Cable has a plug at one side (P1) and the other side has connector to be connected (P2) to the local battery power installation as per site practices. (Refer Appendix C).						
e	Cable installation	It needs to be pressed into the battery connector on the front of the Nokia OLT DF-8G and the screws must be used to fix the cable.						
3	Other accessories							
a	Mounting kit	Supplier to specify						
b	Others	Supplier to specify						
4	General Specification							
a	Compatibility:	Shall be compatible with Nokia OLT - AC Variant						
b	Warranty:	2 years Warranty One-to-One replacement for any faulty battery within warranty period						
c	Documentation:	a) Supplier to submit approval/endorsement letter of the proposed battery solution from Nokia b) Supplier to submit Method of Procedure, Guide and Manual document for battery installation c) Supplier to submit testing procedure and details for validation and acceptance testing of the proposed battery solution. d) Supplier to submit Datasheet of the proposed battery solution						
d	Delivery to site:	4 Weeks from PO date						
e	Testing	a) Supplier to perform validation test at Allo Lab, Bangi upon Request b) All costs incurred for the testing (i.e., battery, mobilisation to and from Allo lab, etc.) MUST be borne by supplier.						
f	Installation location:	Northern and Southern Malaysia (Kedah, Perak, Negeri Sembilan)						

Date:

Company stamp:

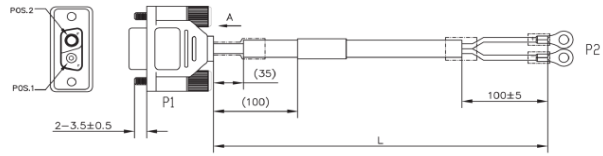
A. NOKIA OLT DF-8G Power Port (BAT)



B. Current Nokia Outdoor Cabinet and OLT DF-8G Deployed at Site



C. Battery Cable



WIRE LIST

FROM P1	WIRE COLOR	LABEL WITH	TO P2
POS.2	RED	+	LUG
POS.1	BLACK	-	LUG