SADC PLANT GENETIC RESOURCES CENTRE RESPONSES TO REQUESTS FOR CLARIFICATIONS

REFERENCE NUMBER: SPGRC/ADMIN 04/2025-26
CONTRACT TITLE: SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING OF SOLAR SYSTEM AT SPGRC

DATE OF ISSUE OF RESPONSES: 30th September 2025

No.	Question	Response
1.	Where will the inverter or power room be located? How far is that particular location from the Generator or Zesco incomer point.	**The invertor room will be just next to where the panels will be installed and within reach of the cable length (450m) provided in the BOQ.**
2.	Is this room already constructed or there will be a requirement for a container or room to be constructed?	**The invertor room will be provided by SPGRC next to the solar panels. Therefore, there will be no requirement for a container.**
3.	The drawing for the mounting structure does not provide further details on the exact size of uprights or supporting beams, what is the correct detail of the mounting structure?	**The detail and sizes are as shown in the concrete layout plan which is 3mm base plate with M12 locknut and washer. The layout is 2 Rows x 25 panels x 5 stands giving a total of 250 panels**
4.	Will the system be integrated to generator?	**Yes it will be integrated with the backup generator which is already integrated with the main ZESCO supply**
5.	The drawing shows a total purlin length of 23264mm. The actual length of the purlin thus becomes 20872mm including the 50mm overhang assuming the panel size of 1134 by length mm adding 20mm for the mid clamp as given on panel data sheet and current drawing. Should we ignore this as an error bearing in mind the pile spacing calculations indicated.	**The length for the purlin of 23264mm given in the drawing and BOQ is a range which may vary slightly (2,000-2,278mm by long 1,000-1,134mm wide per panel) by panel brand. Bidders can therefore determine the exact length of the purlin based on the panel brand being offered. The BOQ indicates sigenergy or equivalent.**
6.	The sizing of the string fuse at 15A - is this an error or it's done specifically for this site as the correct string fuse would be at least 25A when applying the requirement for 1.25- 1,56 times the Isc but less the max series fuse rating of 30A.	**The specified 15A fuse exceeds the 13.99A Isc of the solar panels. It offers sufficient fault protection and provides conservative yet compliant protection within the 30A max fuse limit.**

End of Responses
SADC Plant Genetic Resources Centre
Private Bag CH 6
Phone: (260) 399 200

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Signature Request			
Signature Request ID:	2f54f974-50eb-4915-9bcc-8b586f0dbb26	Timestamp:	2025-09-26 16:24:54 GMT
Signee Name:	Diana Sello	Sender Name:	Diana Sello
Request Type:	WebSigning	Request Status:	WEBVIEWER SIGNED
Original Document			
Document Name:	RESPONSES TO CLARIFICATIONS Solar system Final.pdf	Document Size:	94.1 KB
Email Evidence			
Signee Email:	dsello@sadc.int	Email Subject:	Not available in Silent Mode
Email Sent Timestamp:	Not available in Silent Mode	Email Opened Timestamp:	Not available in Silent Mode
Web Evidence			
Signee IP Address:	143.105.49.181	Request Timestamp:	2025-09-26 16:24:22 GMT
Signee GPS (if shared):	BW: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0 Safari/537.36	Terms Accepted Timestamp:	2025-09-26 16:24:32 GMT
Annotations and Modifications			
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Text Annotation Count:	0	Initial All Pages Count:	0
Single Initial Count:	0		
Signing Evidence			
Signee Mobile:	+27000000000	Sign Type:	WebSigning
Security Challenge:	NONE	Part of Workflow:	NONE
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Signature Request			
Signature Request ID:	0e3d0f5e-119b-406a-9086-61b7c914275b	Timestamp:	2025-09-26 16:37:05 GMT
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Request Type:	WebSigning	Request Status:	WEBVIEWER SIGNED
Original Document			
Document Name:	RESPONSES TO CLARIFICATIONS Solar system Final.pdf	Document Size:	185.6 KB
Email Evidence			
Signee Email:	tchabwera@sadc.int	Email Subject:	Not available in Silent Mode
Email Sent Timestamp:	Not available in Silent Mode	Email Opened Timestamp:	Not available in Silent Mode
Web Evidence			
Signee IP Address:	102.134.165.92	Request Timestamp:	2025-09-26 16:36:30 GMT
Signee GPS (if shared):	BW: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0 Safari/537.36	Terms Accepted Timestamp:	2025-09-26 16:36:39 GMT
Annotations and Modifications			
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Text Annotation Count:	0	Initial All Pages Count:	0
Single Initial Count:	0		
Signing Evidence			
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Security Challenge:	NONE	Part of Workflow:	NONE
Chain Of Custody Generation			
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