



SCM Enquiries: Lindiwe Nkosi/ Sanelisiwe Mavundla

BID NUMBER NNRSCM-03-2025

CLOSING DATE: 02-07-2025 **TIME:** 11h00am

DESCRIPTION: APPOINTMENT OF A SERVICE PROVIDER FOR DESIGN, ENGINEERING, EQUIPMENT SUPPLY, INSTALLATION, COMMISSIONING OF SOLAR PV POWER SYSTEM AND POST HANDOVER SUPPORT AND MAINTENANCE TO THE NNR FOR A PERIOD OF THREE (3) YEARS.

	QUESTIONS	ANSWERS
1.	Request to share the following;	
1.1	Existing electrical network diagram (single line diagram)	Due to security issues the diagram cannot be shared, bidders that are interested in the diagram are requested to arrange to come through to the NNR office to view the site. <i>Diagrams will be shared with the successful bidder where non-disclosures etc. are signed</i>
1.2	Floor area of the whole building	Due to security issues the diagram or drawings of the floor area of the building cannot be shared, bidders that are interested in the diagram/floor area are requested to arrange to come through to the NNR office to view the site. <i>Diagrams will be shared with the successful bidder where non-disclosures etc. are signed</i>
1.3	Roof drawing	Due to security issues the roof drawings cannot be shared, bidders that are interested in the diagram are requested to arrange to come through to the NNR office to view the site. Use of drone is allowed <i>Diagrams will be shared with the successful bidder where non-disclosures etc. are signed</i>
1.4	Roof type confirmation	(IBR)Inverted Box Rib sheeting
2	Section 5.4.11 on Page 49: <i>"The batteries, inverters, controller and related equipment shall be housed in a secure and dedicated structure that will need to be customised to meet the environmental, operational and security requirements of the equipment and systems concerned".</i> The tender specification does not make an explicit mention to fire suppression, air-conditioning and container requirements (shipping container type, brick and mortar building etc). i. Is there an existing space/room onsite suitable to convert into housing the equipment or shall the EPC make allowance for a shipping container or brick and mortar building in the costings?	Fire suppression is explicit in Pricing data (Part C3); the equipment will operate under suitable environment (forced or natural cooling as per the manufacturer recommendations). The idea of site briefing was for bidders to familiarise themselves with site conditions in order to propose a solution (container or brick and mortar building etc.) that will be acceptable to NNR.

	ii. How far is the equipment housing located from the electrical tie-in point? iii. If we choose to install equipment outdoor, next to generator, must be equipment be secured behind a high security fence or similar enclosure?	
2.1	<i>The system must have solar panels bird proofing or deterrent".</i> What is the Employers expectation here?	The bidder should propose a simple, cost-effective bird proofing or deterrent based on their experience. NNR requires a solution that ensures that birds don't nest or roost underneath the panels
2.2	Section 6.1 on Page 51: i. Must a 2-hour battery back-up be sized based on the Peak Demand (210 kVA) or Average Demand (134.63 kVA) as various EPC bidders might interpret either of the two resulting in non-comparable bids (apples with oranges)?	The batteries must be sized taking into account the inverter size proposed by the bidder. NNR requirement is for two hours of battery backup to be respected in all scenarios.
3	Please provide clarity ii terms of the word "Hybrid". There is a distinct difference between an AC coupled or DC coupled battery systems. Both are essentially hybrid systems however both can have significant cost differences. i. Please confirm which type is intended for the project?	The type of system will be provided by the contractor. The term "Hybrid" in this case implies that the system should be able to use available power sources simultaneously, with the load supplied from the cheapest source of supply at any given time.
4.	Should we price for permanent roof access in the form of a CAT ladder for future maintenance? i. If so can the CAT ladder be installed from the top of the existing fire escape on the Eastern edge of the building?	No, the permanent roof access is excluded from this tender. However, temporary solution to access roof for structural assessment, full system installation must be priced for by the bidder.
5	General access for operation and maintenance. i. Must the EPC make allowance for general access in terms of walkways, anchor points and permanent (or) temporary safety lines in their costings?	Yes, as long as these comply with site conditions and general health and safety requirements
6	Are there any drawings or CAD models available for the existing building – ideally single line diagrams and roof layouts? i. What is the tilt angle of the roof sheeting?	The roof tilt is very minimal. A bidder is welcome to request a further site visit (in reasonable time) for further confirmations.
7	The Pricing Data asks for a Lightning Protection System (LPS) (line item 10 under Part 2). The requirements and price for a LPS can usually only be determined after a lightning risk assessment is complete. i. Must the EPC only price for a lightning risk assessment or is there an Employers allowance we must add here for an LPS?	The bidder must provide costs for both assessment and generic LPS system. Additional costs, if required, must be justified and approved by NNR
8	How will the technical offering and costing be adjudicated as the SOW specification especially ito the battery and housing thereof is open to interpretation by the EPC's? Not all EPC's are going to offer the same thing if the specification is vague and not outlined in	The specification is generic and requires the bidder to propose solutions based on their technology offering, experience of solar PV projects and having taken a walkabout on site.

	the tender specification or at the tender briefing re Employer expectations.	
9	Please provide clarity on the below extract from Item 5.3 on Page 47: <i>“When solar power is not available, the supply shall be sourced from the battery bank. When the battery bank reaches minimum capacity, the supply should be sourced from the municipal electricity grid”.</i> I am going to assume what was actually meant is that when solar power is not available during grid availability, supply shall be sourced from the grid until the grid falls away and only then shall the battery supply power? Please confirm.	The interpretation is correct. What is outlined here in a preliminary operational strategy. This will be updated based on the data that will be gathered once the system is operational.
10	Bidder A attended the tender briefing and signed the attendance register. The tender asks for proof of attendance. Will NNR SCM send out the attendance register to all bidders that attended the tender briefing in order to submit proof along with the tender submission?	No, attendance register will not be issued to bidders who attended site briefing. NNR will check whether each bidder attended the site briefing and failure to attend will imply disqualification.