



गण्डकी गाउँपालिका

गाउँ कार्यपालिकाको कार्यालय

भूमिचोक, गोरखा

क्याटलग/ब्रोसर सपिङ्ग विधिबाट सोलार व्याकअप खरिद सम्बन्धी सिलबन्दी प्रस्ताव आव्हानको सूचना
(प्रथम पटक प्रकाशन मिति : २०७७/०३/०३ गते)

यस कार्यालयको आ.व. २०७६/०७७ को स्वीकृत नवीकरणीय उर्जा कार्यक्रम अनुसार यस गाउँपालिका मातहत वडा कार्यलयहरुमा देहाय बमोजिमको सोलार व्याकअप सार्वजनिक खरिद ऐन, २०६३ (पहिलो संशोधन २०७३) को दफा ८ को उपदफा १(क)(८) तथा सार्वजनिक खरिद नियमावली, २०६४ (दशौं संशोधन) को नियम ३१(ख) बमोजिम त्यस्तो सोलार व्याकअप उत्पादन कम्पनी वा सो को नेपालका लागी आधिकारिक विक्रेताहरु बीच मात्र प्रतिस्पर्धा गराउने(क्याटलग सपिङ्ग) विधिबाट खरिद गर्नुपर्ने भएकोले सार्वजनिक खरिद नियमावली, २०६४ को नियम ३१(ख) को उपनियम २ अनुसार देहाय बमोजिम सोलार व्याकअपको उत्पादनको आधिकारिक स्पेसिफिकेशन, गुणस्तर र कम्पनीको आधिकारिक मूल्य खुल्ने कागजात (क्याटलग वा ब्रोसर) संलग्न राखि तपसिलमा उल्लेख भए बमोजिमको प्रस्ताव दर्ता गराउनु हुन सम्बन्धित उत्पादक वा आधिकारिक विक्रेताको जानकारीको लागि यो सूचना प्रकाशित गरिएको छ ।

१. यस कार्यालयबाट स्वीकृत सोलार व्याकअपको विस्तृत प्राविधिक स्पेसिफिकेशन यस कार्यालयबाट निशुल्क प्राप्त गर्न सकिने छ । साथै यस कार्यालयको वेबसाइट www.gandakimun.gov.np बाट प्राप्त गर्न सकिने छ ।
२. उक्त कागजात लिनका लागी ईच्छुक सोलार व्याकअप उत्पादक कम्पनी वा सो को नेपालका लागी आधिकारिक विक्रेताले उक्त सोलार व्याकअप विक्री गर्न नेपाल सरकारको सम्बन्धित निकायबाट प्राप्त भएको अनुमति पत्र सो को अद्यावधिक नविकरण भएको पत्र, स्थायी लेखा नम्बर (PAN) तथा मूल्य अभिवृद्धि कर दर्ता प्रमाणपत्र, आ.व.२०७५/०७६ सम्मको कर चुक्ता गरेको प्रमाणित कागजात, उक्त सप्लाई गरेको हालसम्मको विस्तृत विवरण, सम्बन्धित कार्य अनुभवको प्रमाणपत्र सहितका कागजात सहित यो सूचना प्रकाशित भएको मितिले ८ औं दिन १२ बजेसम्म यस कार्यालयमा उपस्थित हुनुपर्नेछ ।
३. यो सूचना प्रकाशित भएको मितिले ८ औं दिन १२ बजेसम्म यस कार्यालयमा सिलबन्दी प्रस्ताव दर्ता गराउन सकिने छ तथा दर्ता गरिएका सिलबन्दी प्रस्तावहरु सोही दिन १४:०० बजे खोलिनेछ ।
४. पेश गर्ने अन्तिम दिन सार्वजनिक विदा परेमा विदा पछिको कार्यालय खुलेको दिन पेश गर्न सकिने छ ।

क्र.सं	सामानको नाम	प्राविधिक स्पेसिफिकेशन	कैफियत
१	Solar hybrid Inverter	3.5 KVA/24V	
२	Solar Panel Mono(6 no.s of tubes)	1200WP/12-24V	
३	Solar Tubular (4 sets of battery)	150 AH/12V	
४	Stand For solar panel	Heavy coated metal stand	
५	UV wire accessories	4mm wire	
६	Installation cost & transportation	All completed works including point wiring using 7/22 cable	

नोट : जम्मा संख्या ५ थान

थप जानकारीको लागी सम्पर्क नम्बर : ९८५६०१०९७६

३/१२/२०७७
पुष्पा गुरुङ
मुख्य प्रशासकीय अधिकृत



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Section VII. Technical Specification For Solar System

पूरण गुरुङ

प्रमुख प्रशासकीय अधिकृत

A. Technical Specifications:

The bidder must furnish documentary evidence in the form of literature (catalogue), certified dimensional drawings, and detailed description of goods with essential technical information. **All data, drawings, catalogues and other technical documents shall be bound separately from the Bid documents.**

The Bidder shall furnish a clause-by-clause commentary on specification, specifying compliance and deviations, if any. This must be furnished; otherwise, the Bid may be rejected.

1. BATTERY

SN	Description	Specification		Bidder's Remarks*
1.1	Manufacturer Name			
1.2	Brand/Model			
1.3	Battery Type	Lead Acid Sealed- Gel Tubular VRLA solar deep cycle or Lithium ion with proper protection		
1.4	Battery Voltage	For Lead Acid: 150 AH 12 Volts For Li- ion: 12 Volts compatible to system voltage.		
1.5	Battery Efficiency	Minimum 85%		
1.6	Quantity (mention capacity)	Individual battery must be of at least <u>150AH @ C10</u> for Lead Acid and at least <u>75 AH</u> & the capacity of battery must not be less than 900WHR for Lithium Ion		



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1.7	Pressure Regulation	The battery shall be provided with pressure regulation valve, which shall be self-re-sealable and flame retardant		पूरा गुरुड मुख प्रशासकीय अधिकृत
1.8	Self-Discharge	less than 3% per month		
1.9	Operating Temperature	-5 °C to 55°C		
1.10	Instruction	Charging instructions shall be provided along with the batteries		
1.11	Warranty	Minimum Replace Warranty of 5 years.		
1.12	Construction	For Lead Acid Battery: Positive Plate: Tubular Plate with lead or alloy spine grid. Separator: Micro porous synthetic separator Electrolyte: Sulphuric acid. VRLA Terminals: Epoxy sealed terminals with threaded lead-plated copper alloy		
1.12	Battery Life Cycle	At Least 1500 at 80% DoD		
1.12	Certification	RETS Certified		



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The following minimum information must be included on the label of the battery and label of battery must be fixed firmly or screen printed on the battery casing:

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- Brand and name of Manufacturer
- Model and type
- Rated capacity in Ampere-hours
- Nominal Voltage

2. Solar PV MODULES

Solar PV Modules will be procured from companies, complying with the standard set forth in Nepal by AEPC. PV modules shall typically be tested for durability and reliability according to standards developed by the International Electro-Technical Commission. Standards IEC61215 (for crystalline silicon modules) include, amongst others, tests for thermal cycling, humidity and freezing, mechanical stress and twist, hail resistance and performance under fixed test conditions.

3. Solar Hybrid Inverter

SN	Description	Specification	Bidder Proposal (Document from manufacturer showing the proposed parameter is mandatory. Please highlight the parameter in the technical specification)	Bidder's Remarks*
3.1	Manufacturer Name	NA		
3.2	Brand/Model	NA		
3.3	Type	Solar Hybrid Inverter With Charge Controller or Regulator		
3.4	Control Mode	It must charge dually with solar and single phase domestic supply		
3.5	Working Temperature & Humidity	-5 to +55 °C/35 to 85%RH (Without Condensation)		



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3.6	Protection Function	Solar reverse-charging protection, solar reverse-connection protection, battery over charge protection, battery over-discharge protection, battery reverse-connection protection		पूरण गुरुङ मुख प्रशासकीय अधिकृत
3.7	Size	3.5 KVA/24 V		
3.8	Certification	RETS Certified		

4. UV accessories

Bos/Item Component	Applicable Standard	
	Standard Description Standard	Cables (4mm)
Switches/Circuit Breakers /Connectors	General Requirements Connectors-safety	NS/ IS standard

5. Operation and Maintenance Manual

An Operation, Instruction and Maintenance Manual, in English and the local language, should be provided with the Solar Street Lighting System and detail of Wiring and Connection Diagrams will also be provided with the manual

6. Warrantee/ Guarantee

- The Solar System must be warranted against any manufacturing /design/ installation defects for a minimum period of 5 years.
- PV modules used in Power Plant must be warranted for their rated output.
- The Warrantee/Guarantee Card to be supplied with the Solar PV System must contain the detail with the system supplied. The manufacturers can provide additional information about the system.

In specified technical parameters, Gandaki Rural Municipality Gorkha will take the necessary action. The decision of Gandaki Rural Municipal Gorkha in this regard will



be final and binding to the Bidder.

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* Note: The bidder shall mention clause by clause comment of the required specification. The bidder shall state: -

- a. **"FULLY COMPLIANT"** if the item offered fully meet the quotation requirement.
- b. **"PARTIALLY COMPLIANT"** if the item offered meet the requirement partially. The bidder shall state the reason why the offer is partially compliant. In such cases, the bidder shall clearly mention the extent to which other specifications are offered.
- c. **"NON COMPLIANT"** if the item cannot meet the requirements. The bidder shall also state reasons for it.