



Office of the Registrar KAZI NAZRUL UNIVERSITY

Nazrul Road, Kalla Bypass More,
P.O. – Kalla (C.H.), Dist: Paschim Bardhaman, Pin – 713340

Ref: KNU/NIT(e)/SL/Corri./533(01)/20

Date: 27.07.2020

Corrigendum No.- 1

Tender Notice No.- Ref. No. KNU/NIT(e)/SL/533/2020 Date: 30/06/2020

With reference to above mentioned Tender Notice invited through E-TENDER platform to Set up Solar Water Heater & Solar Street Light for University Campus at Asansol, West Bengal-713340, **Technical Specification for Solar Street Light** has been modified as given below:

SOLAR STREET LIGHT (TECHNICAL SPECIFICATION)

Sl / No	Existing	Modified as						
	Description	Description	Brand	Qty	Unit	Rate (Rs)	GST (Rs)	Amount (Rs)
1	01 No 12 V 60 Wp Solar Photovoltaic module under STC.	<p>30 Watt (LED) – Single Pole Solar Street Light System with Inbuilt Lipo04 battery</p> <p>Module- 100 WP (ERTL and Flash Tested) I. The PV module shall contain crystalline silicon solar cells and must have a certificate of testing conforming to IEC 61215 Edition II. The power output of the module(s) under STC would be a minimum of 80 Wp at a load voltage* of 16.4 ± 0.2 V III. The open circuit voltage* of the PV modules under STC would be 21.0 Volts IV. The module efficiency would be 14.5% V. A bird spike shall be provided to avoid bird sitting on the solar module at the highest point of the array/module structure VI. SPV module shall be highly reliable, lightweight and shall have a service life of more than 25 years. SPV modules shall have a limited power loss of not more than 10% of nominal output at the end of 10 years and not more than 20% at the end of 25 years VII. The solar module shall be able to withstand the following environmental conditions normally encountered at site – Temp. extremes ranging from - 100 C to +850 C Wind load – 200 km/h Maximum mean hourly rainfall of 40 mm Humidity level upto 95%, Lightning arrester VIII. Strip must contain the following details a) Name of Manufacturer b) Model or type number c) Serial No. d) Year of make</p>	Vikram/ Adanai	12	Nos			
2	01 No 12 V 60 Ah Tubular Stationary battery.	<p>Battery (It should placed inside the luminary) 12.8V/40 Ah LiP04 Battery (With 5 years warranty)</p>	Okaya/ Future Tech	12	Nos			
3	01 No Electronics assembly with automatic Dusk to Dawn circuit, driver for lamp assembly, charge discharge regulating circuitry for protection of the battery.	<p>Dusk-to-Dawn Charge Controller with inverter & electronics (ERTL and Flash Tested) with Dimming I. Battery over charge cut off: 14.20V II. Battery deep discharge cut off: 11.65V III. Short circuit protection inbuilt with the system. IV. Protections against battery reverse polarity inbuilt with the system. V. Load reconnects facility inbuilt with the system</p>	Any MNRE approved manufacturer	12	Nos			



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4	01 No. weather proof OUTDOOR luminary with 12 watt CLUSTER BASED LED.	<u>Luminary-30Watt-(W) LED- Based (ERTL and Flash Tested)</u> I. LED Luminaries must be to prevent water seepage and entry of Insects. II. The light source will be of white LED type. The luminous performance of LEDs used should not be less than 30 lumen/watt. Use of LEDs, which emit ultraviolet light, must be avoided III. The light must be ERTL – Tested IV. The light output should remain constant with variations in the battery voltages. V. The make, model number and technical characteristics of LEDs should be furnished	Elecsol/ Systeller	12	Nos			
5	01 No. 4.5 Mt M.S. Painted Pole, battery box with locking arrangement, module mounting structure, wire set, Fasteners etc.	<u>GI Pole (6.5 mtr.) with Module Mtg Structure, Luminaire bkt.</u> I. A corrosion resistant metallic frame structure must be fixed on the pole to hold the SPV module. II. The frame structure must have provision to adjust its angle of inclination to the horizontal between 0 and 45, so that the module can be oriented at the specified tilt angle. III. Pole height: 6.5 Mtr. (Dia = 4inch-50% of the Pole, rest - 3 inch, arm-2inch) With grounding facility (Corrosion resistance) & 3mm thickness	Any MNRE approved manufacturer	12	Nos			
6	Installation & Commissioning.	<u>Installation & Commissioning</u>	As per calculation	12	Nos			
TOTAL								

Last date of online bid submission has been **extended to 06.08.2020**

All the other terms and conditions of our above referred Tender Notice remained same.

Sd/-
(Prof. S. K. Ghosh)
Registrar (Addl. Charge)

Copy forwarded for information and necessary action to:

1. The Finance Officer, KNU;
2. The Development and Planning Officer, KNU;
3. The Estate Officer (Addl. Charge), KNU;
4. The Accounts Officer (Addl. Charge), KNU;
5. The System Administrator/Analyst, KNU *with a request to upload the notice on website.*
6. Secretary to the Vice Chancellor for kind information to the Hon'ble Vice Chancellor;
7. File.