

Index for

Any other relevant document to support the claim

Documents Attached
I. Solar Plant documents and its Geotagged photos
II. Geotagged photos of sensor-based energy conservation and use of LED bulbs/ power efficient equipment
III. Photo of College Sport Ground
IV. Geotagged photos of pedestrian friendly pathways, landscaping with trees and plants, signage of No Smoking Zone & Plastic Free Zone.
V. Geotagged photos of regular cleanliness programme and plantation programme



PROJECT HANDOVER

ORDER NUMBER	WBREDA/53(2013)PART-II/57 DATED 9.6.2015 AND WBREDA REF NO WBREDA/59(2013)/Part-II/480 DATED 15.01.2016
PROJECT NAME AND REFERENCE	DESIGN SUPPLY INSTALLATION TESTING AND COMMISSIONING INCLUDING 5 YEARS COMPREHENSIVE MAINTNENANCE FOR 10 kWp GRID TIED SOLAR PV POWER PLANTS AT VARIOUS SCHOOLS, INSTITUTIONS AND ORGANIZATIONS AT VARIOUS LOCATION OF WEST BENGAL ON TURNKEY BASIS

This to certify that we Pulse Power Technologies Pvt Ltd, 502C Kamalalaya Centre, 156A Lenin Sarani, Kolkata 700013, have successfully designed, installed and commissioned a 10X2 kWp Solar Photo Voltaic Power plant at Sammilani Mahavidyalaya , Baghajatin, EM Bypass Kolkata - 700094.

The system has been running fine for the last 30 days or more and we herewith handover the system to SAMMILANI MAHAVIDYALAYA and will continue to provide periodic maintenance as per the above mentioned order.

Dated: 30/03/16

For Pulse Power Technologies Pvt Ltd	For Sammilani Mahavidyalaya	For West Bengal Renewable Energy Development Agency
	<p><i>S. Balchandra</i> 30/3/16</p> <p>Principal Sammilani Mahavidyalaya E.M.Bypass, Baghajatin Kolkata-700 094</p>	
Authorized Signatory Sign with Date	Authorized Signatory Sign with Date	Authorized Signatory Sign with Date

Office: 502C Kamalalaya Centre, 156 A Lenin Sarani, Kolkata 700013
Ph: 033 2215 4705/0301, Fax: 033 2225 1273
Email:saikat@pulsepower.net

ATTESTED
S. Balchandra
Principal
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin
Kolkata-700 094



पश्चिम बंगाल पाश्चिम बंगाल WEST BENGAL

97AA 255420

THIS **AGREEMENT** (hereinafter referred to as the "Agreement") is entered at Kolkata on the 11th day of March 2016 by and between:

CESC Limited a Company within the meaning of Section 2 (20) of The Companies Act, 2013 and a Distribution Licensee under Section 14 of The Electricity Act, 2003, having its Registered Office at CESC House, Chowringhee Square, Kolkata - 700001 (hereinafter referred to as "CESC", which expression, unless excluded by or repugnant to the context or meaning thereof, shall be deemed to include its successors and assigns) of the **FIRST PART.**

ATTESTED

Jana
Principal...
Sammitani Mahavidyalaya
E.M. Bypass, Baghajatin
Kolkata-700 094

AND

SAMMILANI MAHAVIDYALAYA, at Baghajatin Station, E.M. By Pass, Kolkata - 700094, being the developer of Roof-top Solar PV source (hereinafter referred to as the "**Consumer**", which expression, unless excluded by or repugnant to the context or meaning thereof shall be deemed to include its successors and permitted assigns) of the **SECOND PART**.

WHEREAS

- A. Consumer is in the process of installing 2 X 10 KWp Solar PV source at Baghajatin, E.M. By Pass, Kolkata – 700 094.
- B. Consumer is a Medium Voltage consumer of CESC having consumer number 86001554001.
- C. Consumer intends to interconnect the above Solar PV Source at its medium voltage distribution network available within the premises and run in parallel with CESC's Distribution System and accordingly applied to CESC for such interconnection.
- D. In terms of the West Bengal Electricity Regulatory Commission (Cogeneration and Generation of Electricity from Renewable Sources of Energy) Regulations, 2013 (hereinafter referred to as the "**Renewable Sources of Energy Regulations**"), CESC agrees to allow interconnection and parallel operation of the Solar PV Source with CESC's Distribution System on the terms and conditions as mentioned in this Agreement.

ATTESTED
Jana
Principal
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin
Kolkata-700 094

IN WITNESS WHEREOF these presents have been entered into the day,
month and year first above written.

SIGNED AND DELIVERED for and on behalf of
CESC Limited

by its Constituted Attorney

in the presence of :


Manager (South)
South Regional Office
CESC Limited

Signature : *Sysanta Datta*

Occupation : *Service*

Address : *6, Mandiville Gardens,
Kolkata - 700 019*

SIGNED AND DELIVERED for and on behalf of

.....
by its Constituted Attorney

in the presence of :

S. Palchoudhury
11.03.16
Principal
Sammilani Mahavidyalaya
E. M. By Pass, Baghajatin
Kolkata-700 094

Signature : *Rishom*

Occupation : *Service*

Address : *Baghajatin, E.M. By Pass, KOL-94*

WITNESSES :

1)

ATTESTED
Pana
Principal
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin
Kolkata-700 094



Date- 04.08.2022

Quotation # PPT-QT 2223/01

To,
The Principal,
Sammilani Mahavidyalaya
1 M Bypass, Kolkata.
Pincode - 700094

Re: 20kWp Grid connected Rooftop Solar PV System

Sub: **Quotation for Annual Maintenance of 20kWp Solar Power Plant**

Respected Madam,

The systems installed in your institution are as follows

1. Type - On Grid
2. PV capacity- 10 kWp
3. PV Module - 40Nos., Soya Solar, 250Wp 60cells
4. Inverter - 2 Nos., Kaco new energy GmbH., Powador 12 TL3, Serial Nos 12.0TL01517195, 12.0TL01517194,
5. AJB (2nos) with DC SPD and fuse
6. HP (2nos) with AC SPD
7. GIP (2nos) with SPD MCB
8. Net Meter/ Check Meter (2nos)

Kindly find the details of the Annual Maintenance agenda for your solar power plant-

- Annual maintenance of 20kWp Solar Power Plant for a contract period of 1 year.
- Attending all breakdown calls when needed.
- Preventive maintenance as per schedule
- No spares are included in the AMC Contract.
- Spares if required will be charged extra as per availability.
- Events Such as natural causes or natural calamities will not be under the scope of the contract

The Cost of the AMC Contract will be for 1 year will be Rs 42,000. GST will be charged 18% or as applicable.

Payment terms - 100% advance

Waiting for your valuable order

Thanking You

Your Sincerely,

Pulse Power Technologies Pvt Ltd.

24 Canal South Road
Kolkata
West Bengal- 700015

ATTESTED
Gana
Principal
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin
Kolkata-700 094



www.pulsepower.net

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17
Pay Rs 37760/- to Galilei Solar Audia Pvt. Ltd
for payment of AMC charge for the 1st year,
for maintenance of Solar Panel under a contract of 5 yrs

Shukraborty

WEST BENGAL RENEWABLE ENERGY DEVELOPMENT AGENCY 22/9/22

(An Organisation of Deptt. of NRES, Govt. of West Bengal)

Bikalpa Shakti Bhawan, Plot no.: 11/10, EP & GP Block, Sector-V,

Electronics Complex Salt Lake, Kolkata - 700091

Phone: 033-23575038 / 23575348 / 23576568, Telefax: 033-23575037/6569

Memo No. WBREDA /53(2013) /Part II / 469 (1-20)

Date: 04.04.2022

To
Principal
Sammilani Mahavidyalaya,
Baghajatin Station,
E.M. Bye Pass,
Kolkata-700094

Subject: Completion of five years Comprehensive Maintenance of the 2X10 kWp Rooftop Solar PV
power Plant at your College

Sir,

You are aware that Rooftop Solar PV power Plant of array capacity 2 x 10 kWp had been install and
commissioned on 30-03-2016 at your College

As per terms of the contract, WBREDA was responsible for trouble free operation of the plant for a
period of five years from the date of commissioning through the executing agency namely, M/S Pulse
Power Technologies Pvt.Ltd.

In this connection it is to inform you that the five years maintenance period has been expired on 30-03-
2021

Now you are requested to make a suitable arrangement for trouble free operation of the PV Power Plant.

The details address of the executing agency is given below for your reference

M/S Pulse Power Technologies Pvt.Ltd.
502 C Kamalalaya Center,
156A Lalin Sarani,
Kolkata-700013
Mobile No: 9836565132, Prsun Neogi

Yours faithfully

22/04/22

(P.C Routh)

Superintending Engineer

ATTESTED

[Signature]

Principal
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin
Kolkata-700 094

Quote Ref:	GSI/2022-23/119	Dated:	26.05.2022
Customer Name & Address	Sammilani Mahavidyalaya Baghajatin, EM Bypass, Kolkata. West Bengal 700094	Customer Installation Address	Baghajatin, EM Bypass, Kolkata. West Bengal 700094
System Size	20kWp	System Type	Grid Connected
Inverter Make	KACO new energy GmbH	Module Make	Sova Solar
Total Number of Inverters	2	Module Quantity	80
Inverter Ratings	Powador TL3 Series 12.0TL01517195 12.0TL01517194	Module Wp Rating	250Wp
Plant Installation Date approx..	15.02.2016	Warranty Expiry Date approx.	14.02.2021

OFFER FOR ANNUAL MAINTENANCE CONTRACT

Dear Madam,

Kind Attention: Ms. Sharmila Chakroborty – The Principal of Sammilani Mahavidyalaya

Please refer to our discussions with reference to the same please find enclosed the offer for maintenance of your solar power plant.

Please note the warranty of your system has expired. Hence, we are proposing you a maintenance Offer.

AMC Contract :

We are proposing you the offer with two Options:

1. AMC Contract for 1 year.
2. AMC Contract for 5 year.

1. Option A

AMC contract for 1 year will include the following

1. Attending all break down calls – Next Business Day Support
2. Rectification within 2 working days from the date of attending the call
3. Inverters if broken will either be repaired / replaced with inverter of equivalent capacity. If the original inverter is not repairable then the replacement inverter will become customer property and original inverter will become our property
4. Problems with modules will be identified and we will assist with the warranty claim from the manufacturer and in the interim we will change the stringing to minimize generation loss.



galilei solar India Pvt. Ltd

Principal
Sammitani Mahavidyalaya
E.M. Bypass, Baghajatin
Kolkata-700 094

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Gana
Principal
Sammitani Mahavidyalaya
E.M. Bypass, Baghajatin
Kolkata-700 094

5. SPDs – For one incident in a year (1 year contract period) will be replaced free of cost both AC & DC SPS
6. Cables, Fuses, MCBs & MCCBs are consumables and in case they burn the same will have to be repurchased by the customer. However we will remain responsible for the laying and / or re-installation of these items
7. Civil repairs will be in our scope however if the Module mounting structure becomes unusable then the same will have to be discussed with customer and appropriate steps taken to rectify the same.
8. Each Quarter the customer is eligible for a Preventive Maintenance whose scope will include
 - a. Who System Cleaning including modules, inverters and accessories
 - b. System checkup including hot spot detection with thermal gun
 - c. Generation data collection – to be shared with customer
9. Force Majeure is applicable. For damages due to lightning strikes / cyclones / Earth quakes / Fire / Over voltages from Grid side etc. are not covered under the scope of this contract. For damages arising out of these all components and goods will be to customer account we will provide the service support for rectification under scope of this contract.

Please note that expected generation from your Solar Power Plant is 28,000kWh / year which translates to approximately Rs 2.80,000 in savings per year.

The total cost for the AMC contract will be **Rs 36,000.00 + 18% GST** per annum payable in advance.

We hope that you find our offer correct and complete in all respects, looking forward to your valued order.

2. Option B **AMC Contract for 5years:**

- The Scope of The AMC will be as same as in the AMC Contract for 1year.
- There will be an increase of 5% in the Cost of the AMC every year.
- The payment needs to be done every annum payable in advance.

AMC contract for 5 years will include the following-

1. Attending all break down calls – Next Business Day Support
2. Rectification within 2 working days from the date of attending the call
3. Inverters if broken will either be repaired / replaced with inverter of equivalent capacity. If the original inverter is not repairable then the replacement inverter will become customer property and original inverter will become our property
4. Problems with modules will be identified and we will assist with the warranty claim from the manufacturer and in the interim we will change the stringing to minimize generation loss.
5. SPDs – For one incident in a year (5 year contract period) will be replaced free of cost both AC & DC SPS
6. Cables, Fuses, MCBs & MCCBs are consumables and in case they burn the same

K A C O 

galilei solar India Pvt. Ltd

Plot No. 10, Sector 10, Gurgaon
Haryana - 122002
India

Phone: +91 122 400 1000
Fax: +91 122 400 1001
Email: info@galilei.com

Industrial Bank Limited
Sector 10, Gurgaon

ATC No. 260022662479

Branch Type: Cash Credit

ATC Code: 260022662479

ATC Name: 260022662479

ATC No: 260022662479

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Jana

Principal
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin
Kolkata-700 094

will have to be repurchased by the customer. However we will remain responsible for the laying and / or re-installation of these items.

7. Civil repairs will be in our scope however if the Module mounting structure becomes unusable then the same will have to be discussed with customer and appropriate steps taken to rectify the same.

8. Each Quarter the customer is eligible for a Preventive Maintenance whose scope will include

- a. Who System Cleaning including modules, inverters and accessories
- b. System checkup including hot spot detection with thermal gun
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9. Force Majeure is applicable. For damages due to lightning strikes / cyclones / Earth quakes / Fire / Over voltages from Grid side etc. are not covered under the scope of this contract. For damages arising out of these all components and goods will be to customer account we will provide the service support for rectification under scope of this contract.

Please note that expected generation from your Solar Power Plant is 28,000kWh / year which translates to approximately Rs 2,80,000 in savings per year. So for 5 years the expected generation translates to approximately Rs1,400,000.

The AMC Charges has been described below-

Years	AMC Charges(5% increase in the AMC Charges from the 2 nd year)	GST
1 st	Rs. 32,000	+18% GST Extra = 37,760
2 nd	Rs 32,000+5% = Rs 33,600	+18% GST Extra
3 rd	Rs 33,600+5% = Rs 35,280	+18% GST Extra
4 th	Rs 35,280+5% = Rs 37,044	+18% GST Extra
5 th	Rs 37,044+5% = Rs 38,896	+18% GST Extra

- **Please note that the inverters are now out of warranty and any break down can lead to significant generation loss. We urge you to please close the contract as early as possible.**

For Galilei Solar India Pvt Ltd

Sumita Paul
Service Co-Ordinator

KACO 

galilei solar India Pvt. Ltd

Industrial Bank Limited
Kolkata Branch
A/c No. 150010062473
3/1, 3rd Floor, 12th Street
1ST Floor, 12th Street
12th Street, Kolkata
700 016

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Principal

Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin
Kolkata-700 094



GALILEI SOLAR INDIA PVT LTD

FIELD SERVICE REPORT

CUSTOMER NAME	Sammilani Mahavidyalaya
CUSTOMER ADDRESS	Baghajatin , EM Bypass,, Kolkata, West Bengal, 700094
ENGINEER NAME	Sudipta Ghosh Uttam Ghosh
CALL START DATE AND TIME	08-Oct-2022 11:00:00
CALL END DATE AND TIME	08-Oct-2022 14:38:57
MODULE CHECKUP	
Was bypass diode checking required?	No
Number of bypass diodes replaced	0
Thermography done?	Yes
Remarks about Thermography (if any)	Ok
Module degradation noticed?	No
Remarks about PV modules (if any)	Ok
Modules Cleaned?	Yes
INVERTER CHECKUP	
Inverter Thermography done?	Yes
Inverter Software Updated?	Yes
Inverter Cleaned?	Yes
Any specific remarks about the Inverter?	
BALANCE OF SYSTEM CHECKUP	
Quality of DC cabling	Rectification not Required
Module Structure Quality	Rectification Not Required
Tightness of MMS nuts and bolts	Tight
Tightness of Module nuts and bolts	Tightening Not Required
Rectifications required in AJB?	No
Rectifications required in ACDB?	No
Any faults detected in Thermography?	No
Calculated Earth Resistance	2.10
Details of Work Done	All PV modules are cleaned. DC cable dressing completed. Inverter is now repaired. Nand issue resolved. SW updated. GI stripe at module side is get damaged. need to rectify.
CUSTOMER REMARKS	
CUSTOMER SIGN OFF	

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 Principal
 Sammilani Mahavidyalaya
 E.M. Bypass, Baghajatin
 Kolkata-700 094

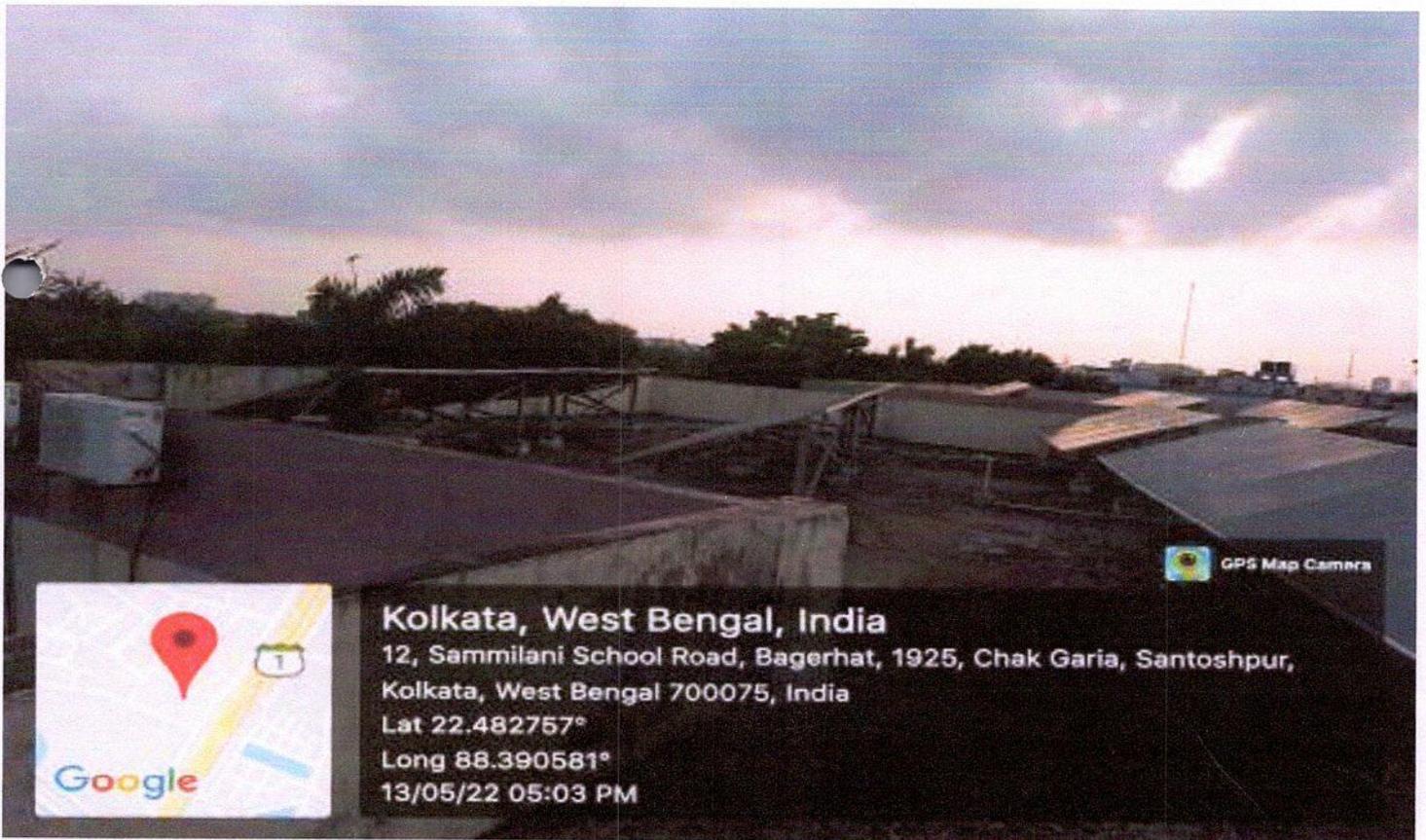
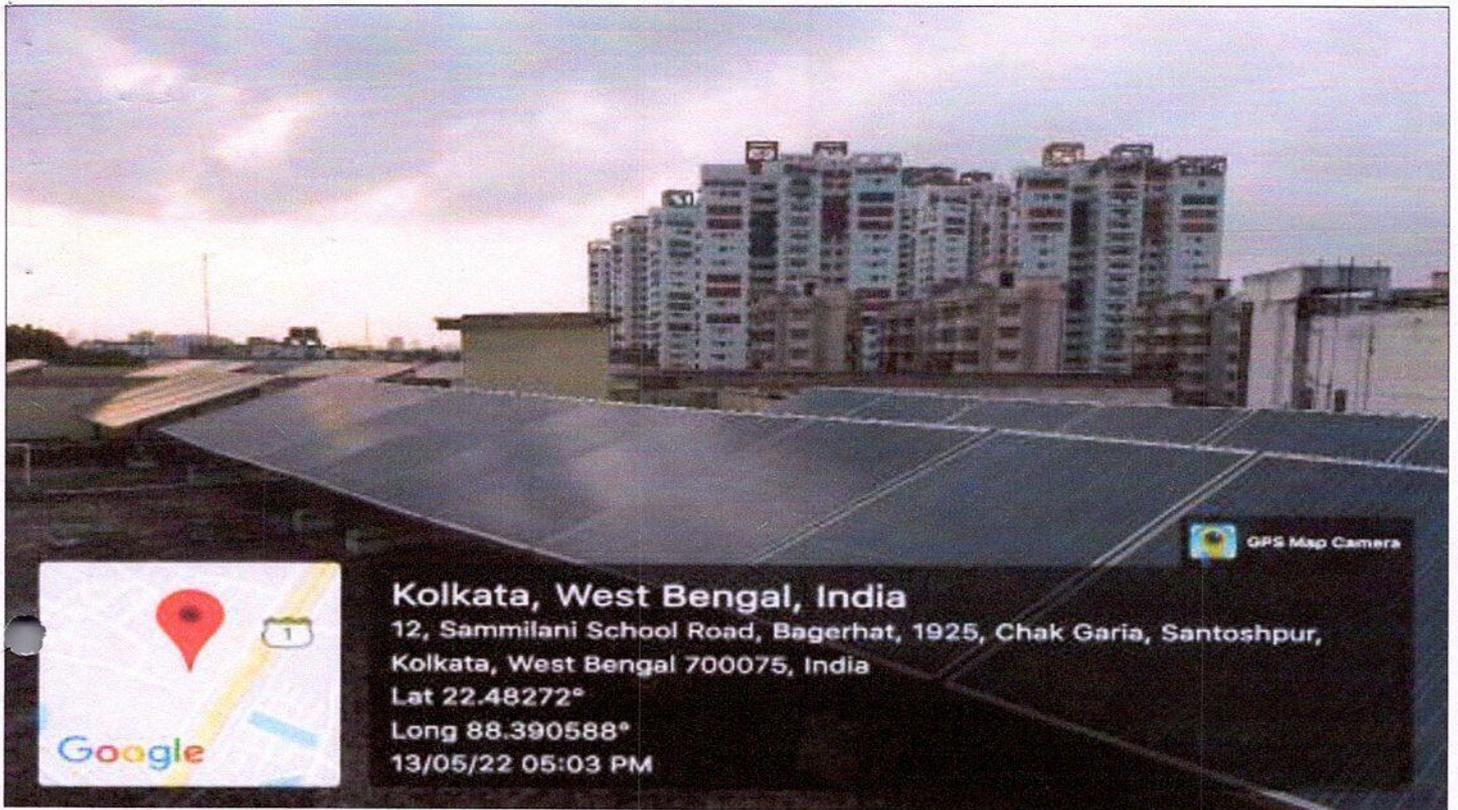
INVERTER DETAILS	
Inverter Serial Number	Work Done
12.0TL01517195	Nand issue resolved in both the inverter. Software updted to 3.32. System is working properly.
STRING DETAILS	
Voc	639.00,640.00,638.00,639.00
Isc	5.30,5.10,5.20,5.20
String Fault?	No,No,No,No
Matches Theoretical Values?	Yes,Yes,Yes,Yes
Remarks if Any!	Ok,Ok,Ok,Ok

502 Kamalalaya Centre, 156A Lenin Sarani, Kolkata 700013 Email: saikat@galileosolar.in Ph: 033-22150301 www.galileisolar.in



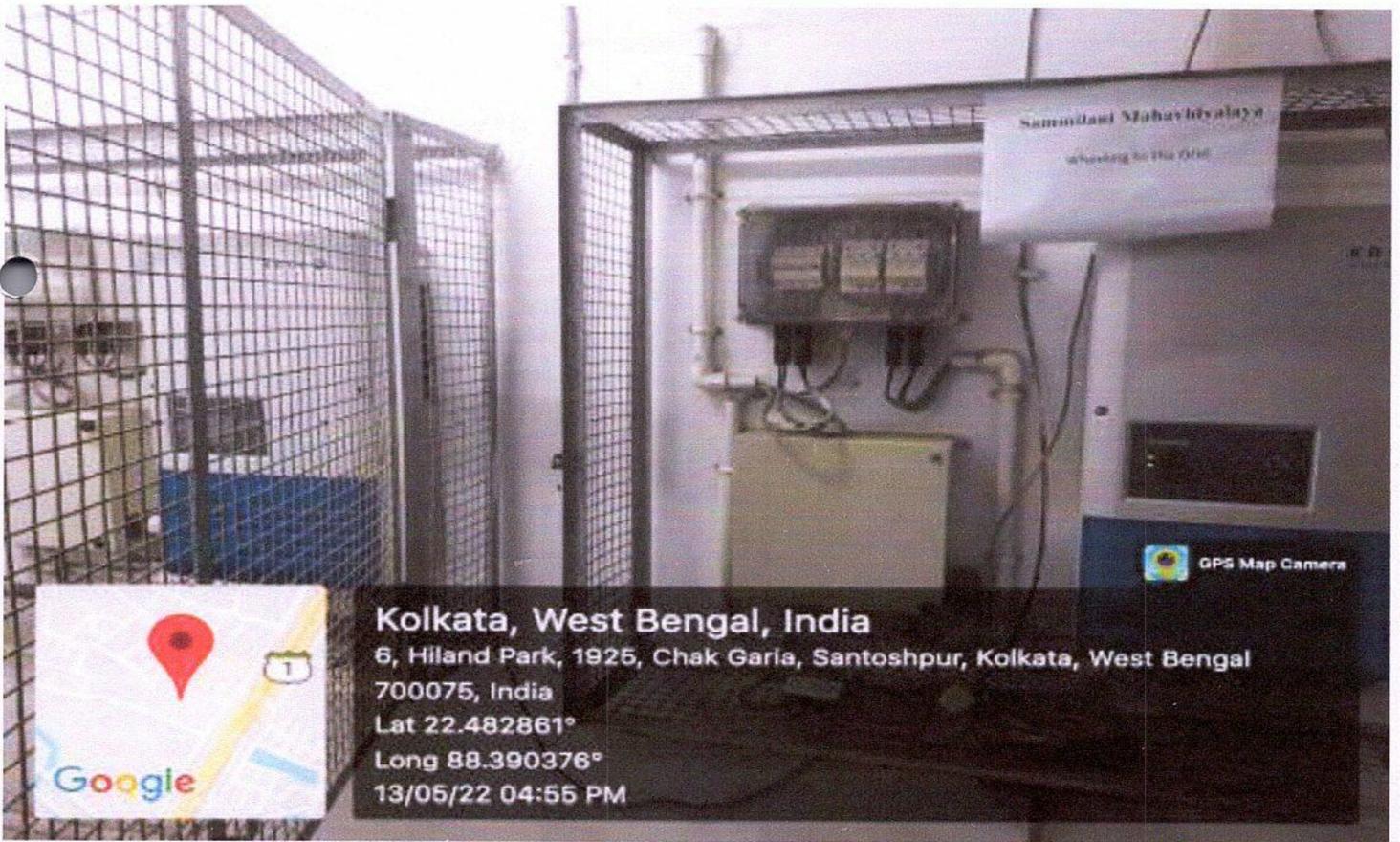
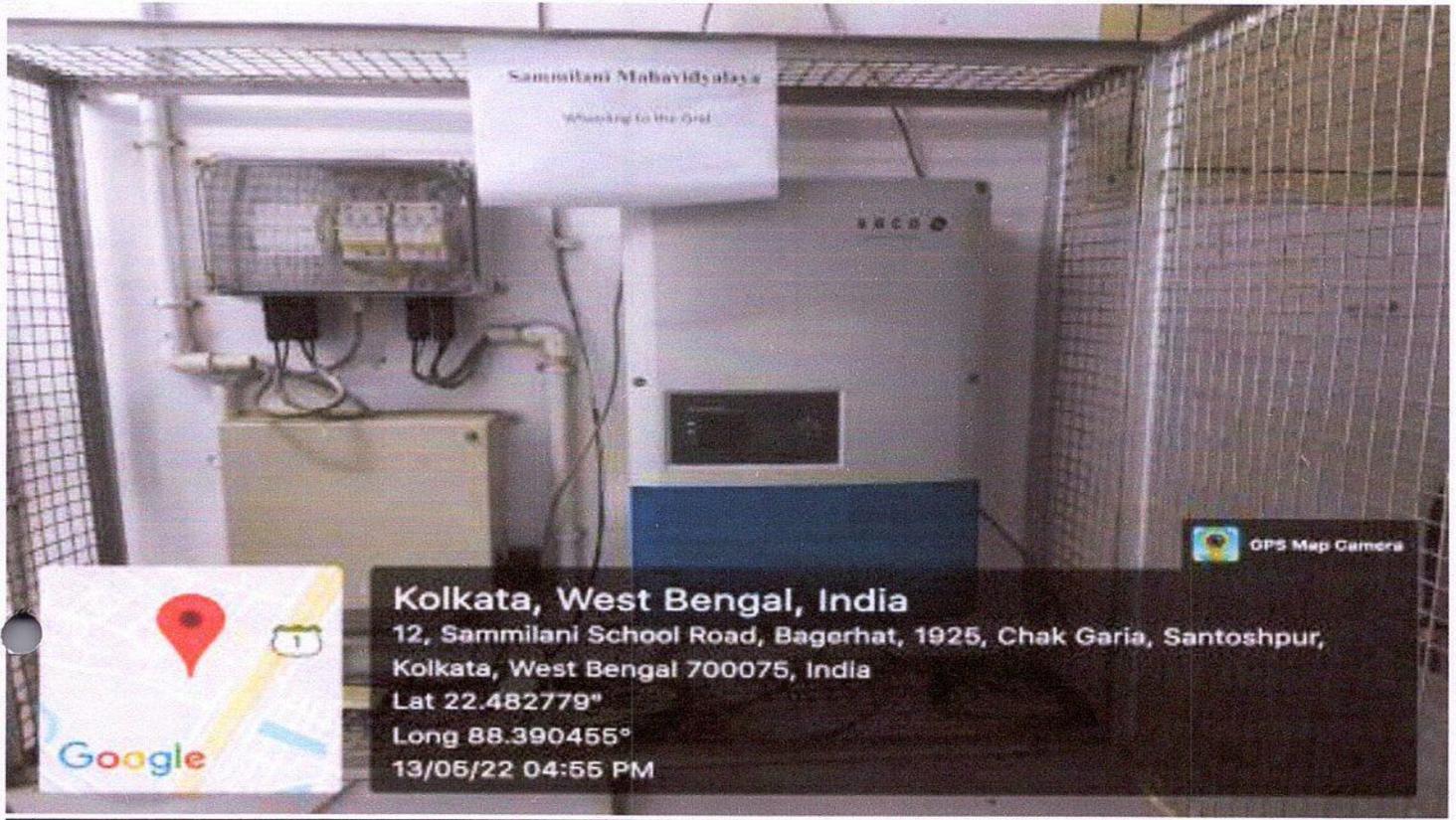
ATTESTED
Jana
Principal
Sammirani Mahavidyalaya
E.M. Bypass, Baghatia
Kolkata-700 094

Solar Panels

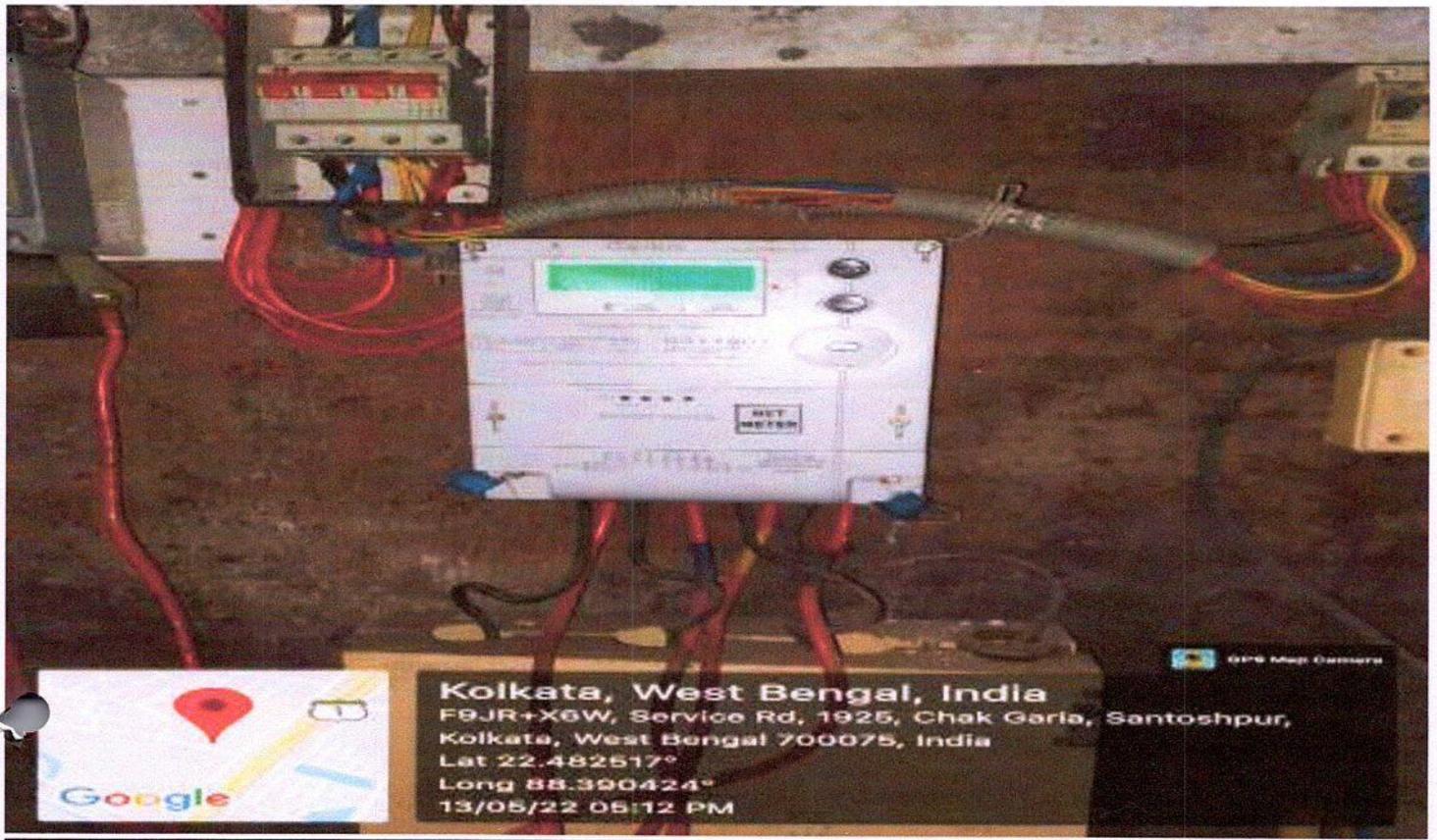


ATTESTED
Dana
Principal
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin
Kolkata-700 094

Wheeling to the Grid



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Gana
Principal
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin
Kolkata-700 094



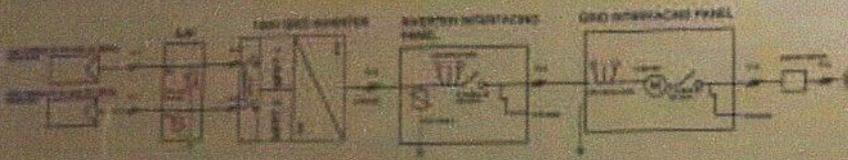
Kolkata, West Bengal, India
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Long 88.390424°
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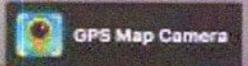
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Long 88.390465°
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Principal
Sammitani Mahavidyalaya
E.M. Bypass, Baghajatin
Kolkata-700 094

SCHEMATIC DIAGRAM FOR 10kWp SOLAR PV PLANT

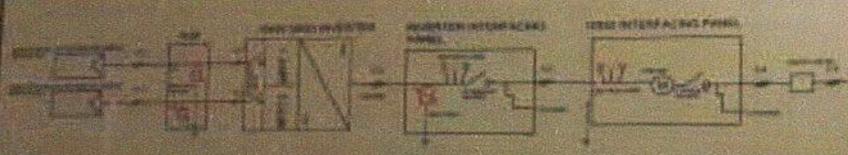


C-1	4 SQMM WEATHERPROOF DC CABLE
C-2	6 SQMM SINGLE CORE 4 RUN FLEXIBLE CU CABLE
C-3	6 SQMM 4 CORE ARMoured PVC CU CABLE



Kolkata, West Bengal, India
 E-23, Hiland Park, 1925, Chak Garia, Santoshpur, Kolkata, West Bengal
 700075, India
 Lat 22.483133°
 Long 88.390732°
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SCHEMATIC DIAGRAM FOR 10kWp SOLAR PV PLANT



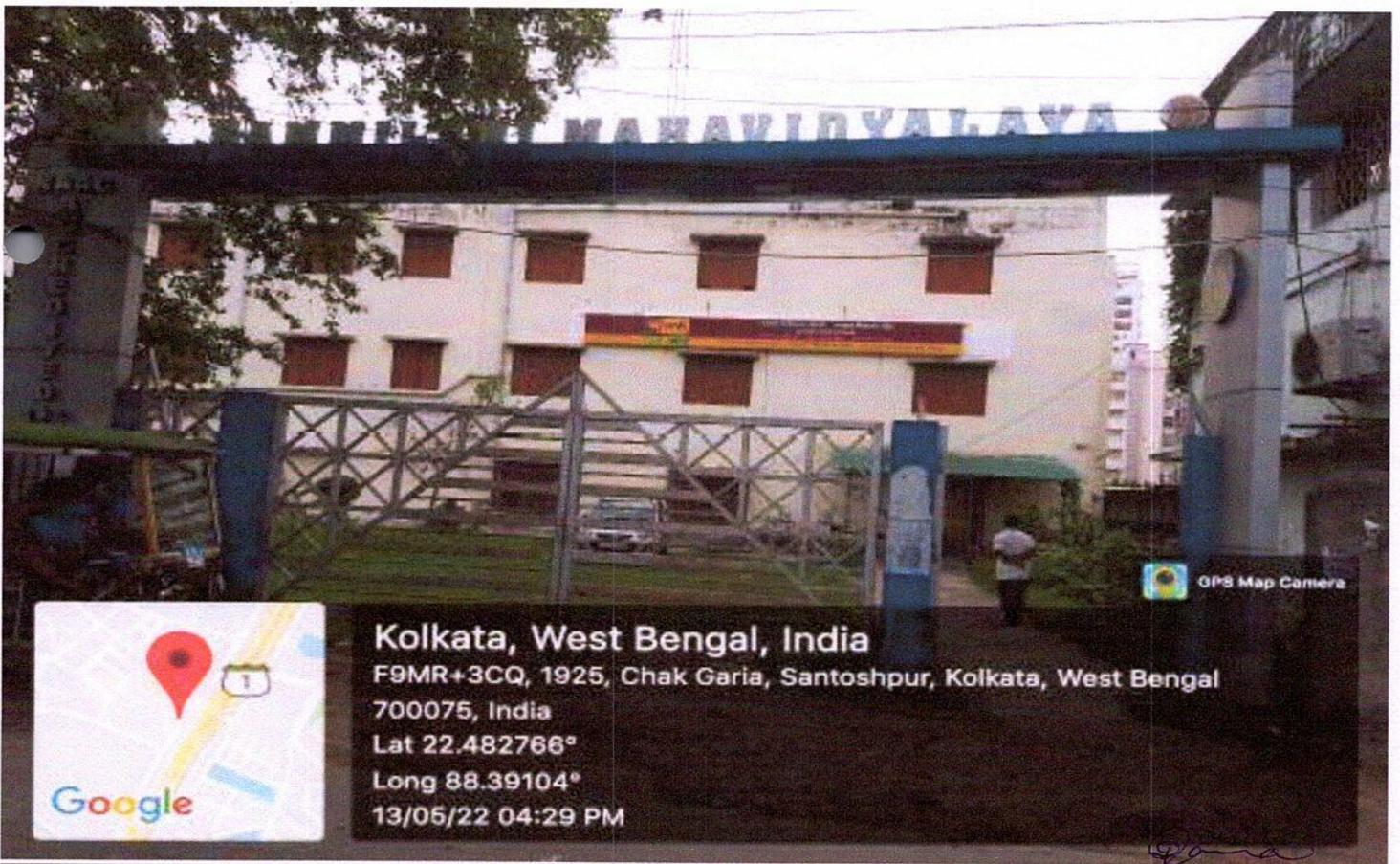
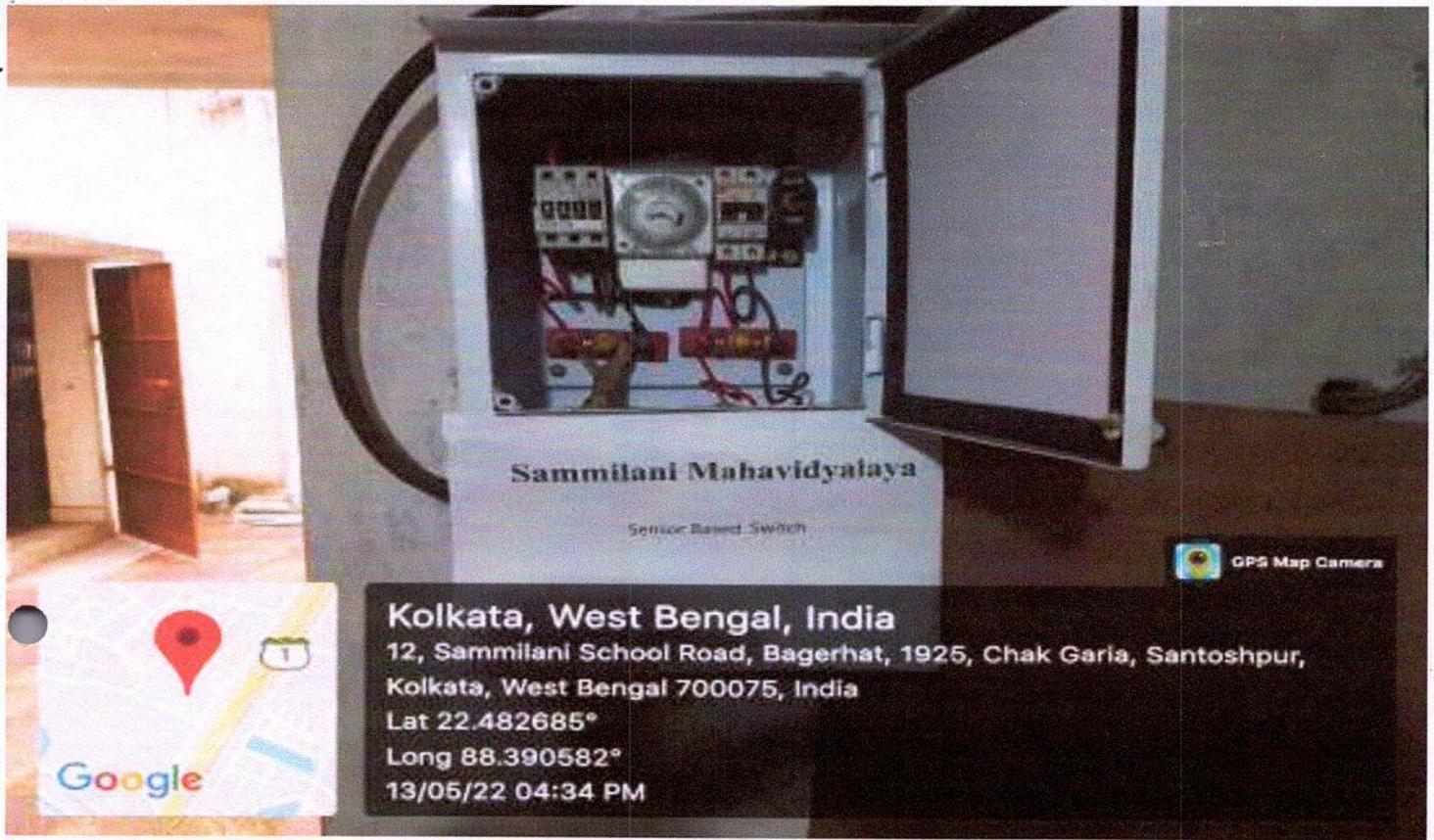
C-1	4 SQMM WEATHERPROOF DC CABLE
C-2	6 SQMM SINGLE CORE 4 RUN FLEXIBLE CU CABLE
C-3	6 SQMM 4 CORE ARMoured PVC CU CABLE

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Jana
 Principal
 Sammilani Mahavidyalaya
 E.M. Bypass, Baghajatin
 Kolkata-700 094



Kolkata, West Bengal, India
 E-23, Hiland Park, 1925, Chak Garia, Santoshpur, Kolkata, West Bengal
 700075, India
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 Long 88.390732°
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Sensor-based energy conservation



gana
Principal
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin
Kolkata-700 094

Use of LED bulbs/ power efficient equipments

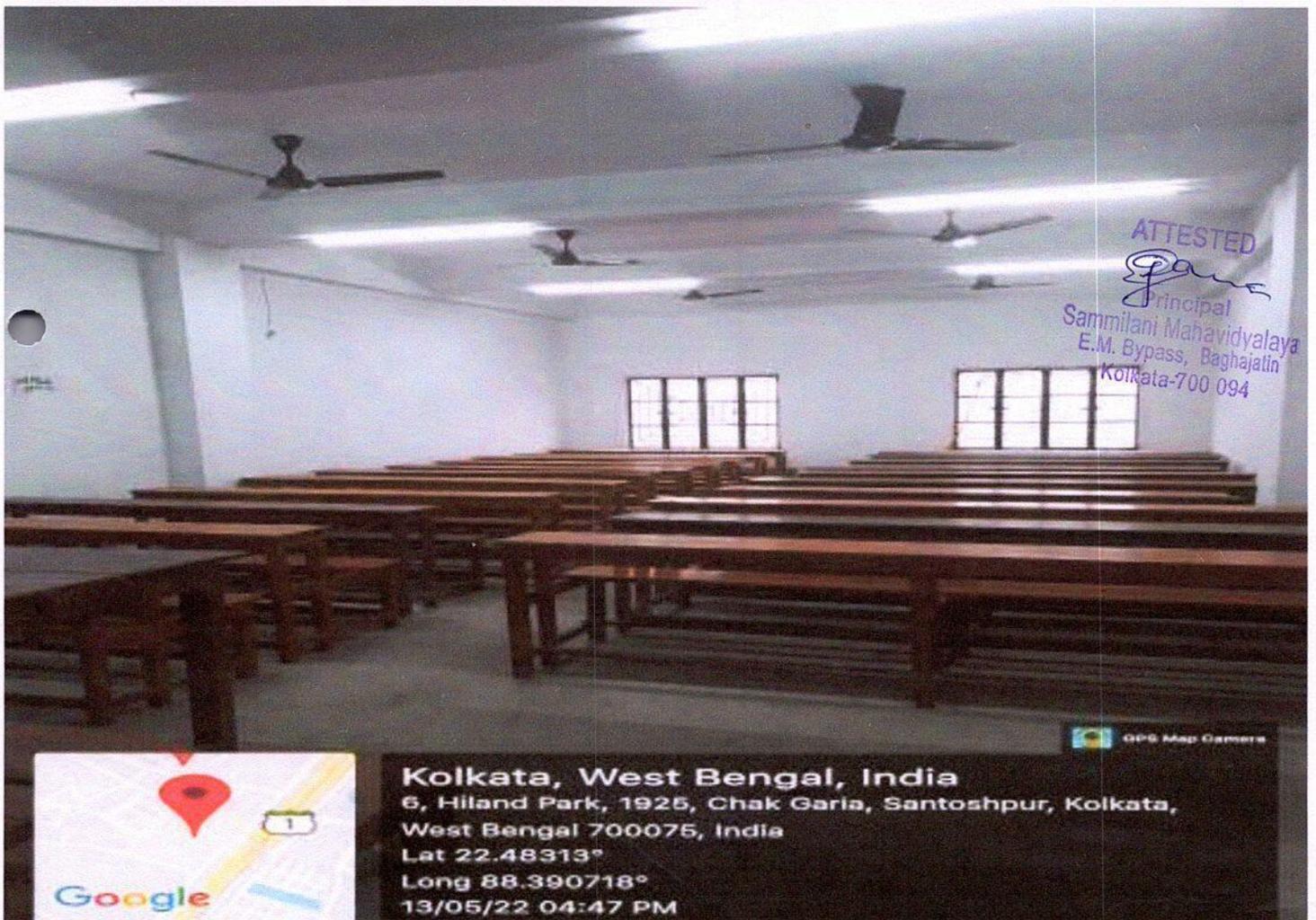


Photo of College Sport Ground



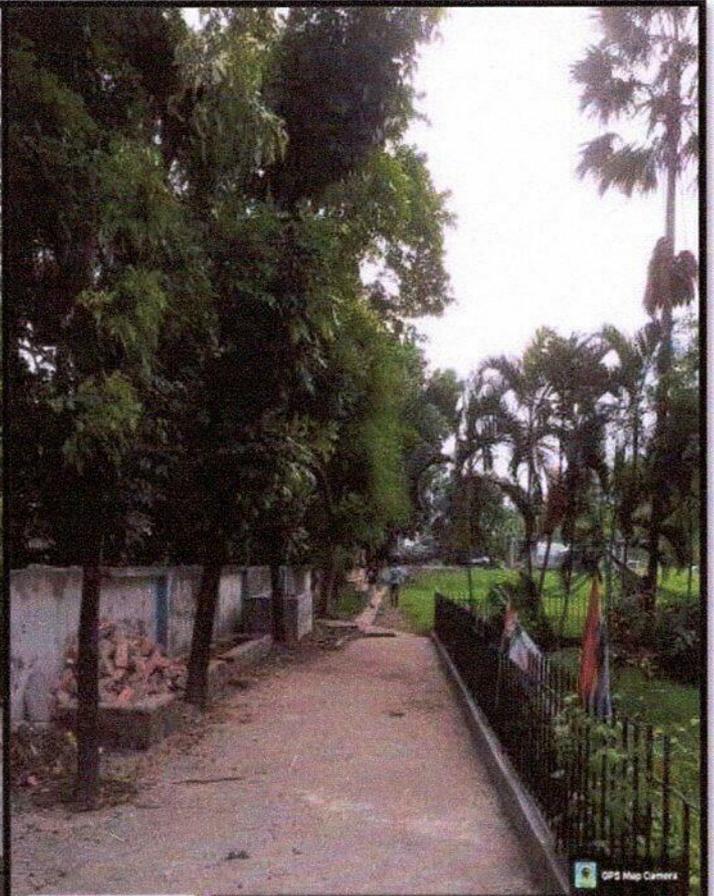
Pedestrian Friendly Pathways



GPS Map Camera



Kolkata, West Bengal, India
F9JR+X6W, Service Rd, 1925, Chak Garia, Santoshpur,
Kolkata, West Bengal 700075, India
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Long 88.390504°
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GPS Map Camera

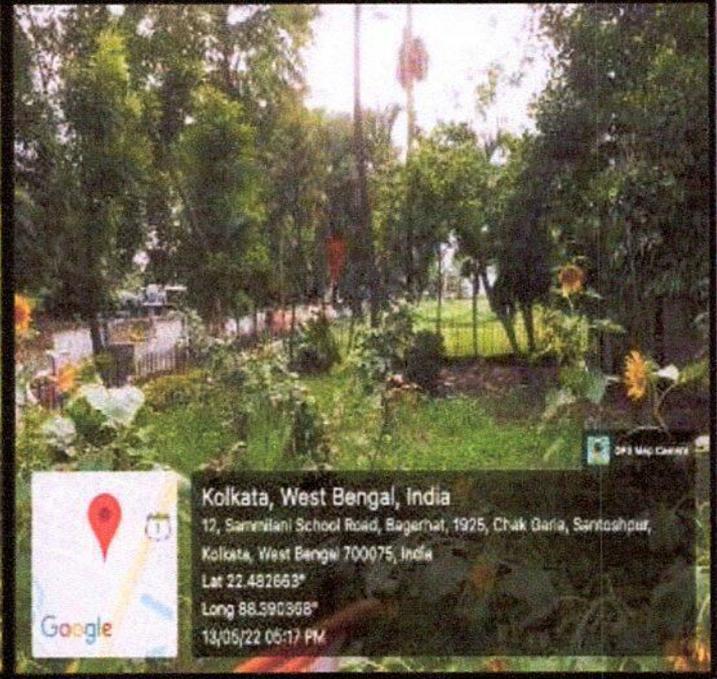


Kolkata, West Bengal, India
12, Sammilani School Road, Bagerhat, 1925, Chak Garia,
Santoshpur, Kolkata, West Bengal 700075, India
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Attested

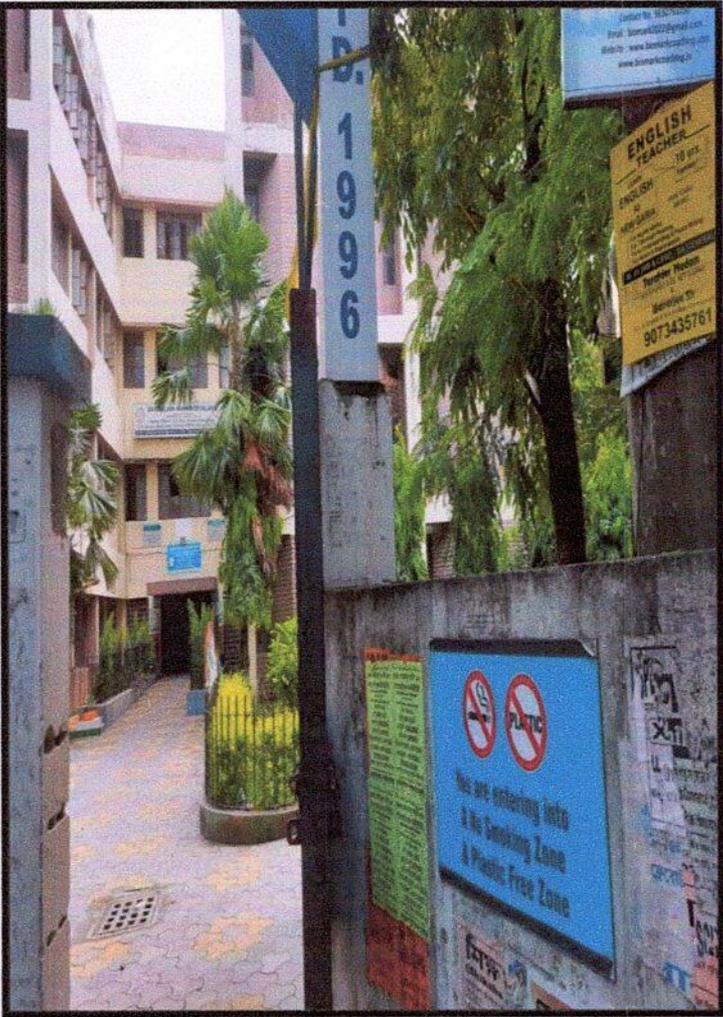
Gana
Principal
Sammilani Mahavidyalaya
E. M. Bypass, Baghajatin
Kolkata - 700 094

Landscaping with trees and plants



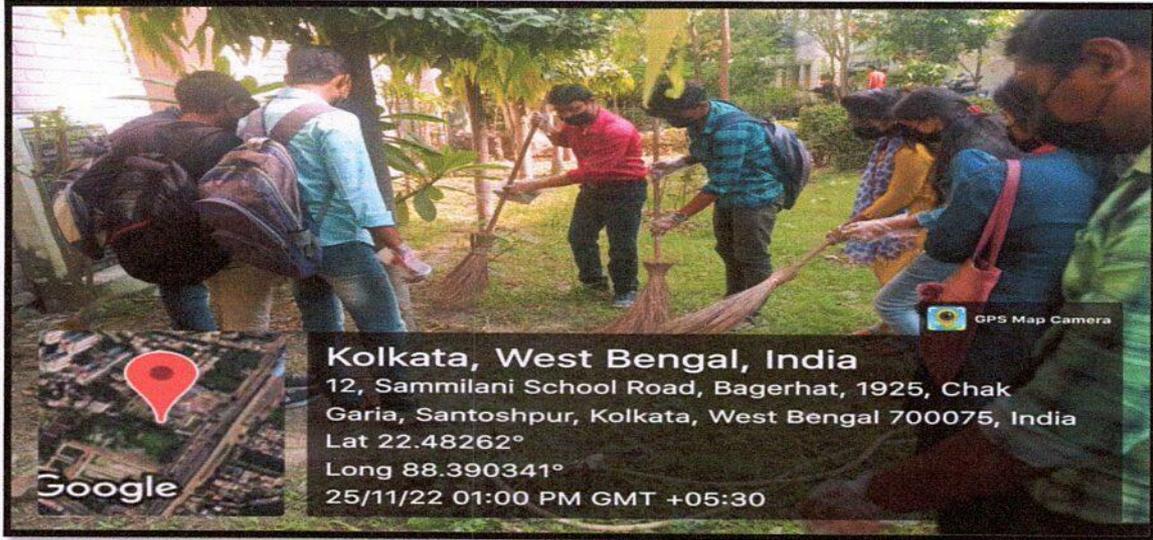
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Pana
Principal
Sammilani Mahavidyalaya
E. M. Bypass, Baghajatin
Kolkata - 700 094

Plastic Free Zone

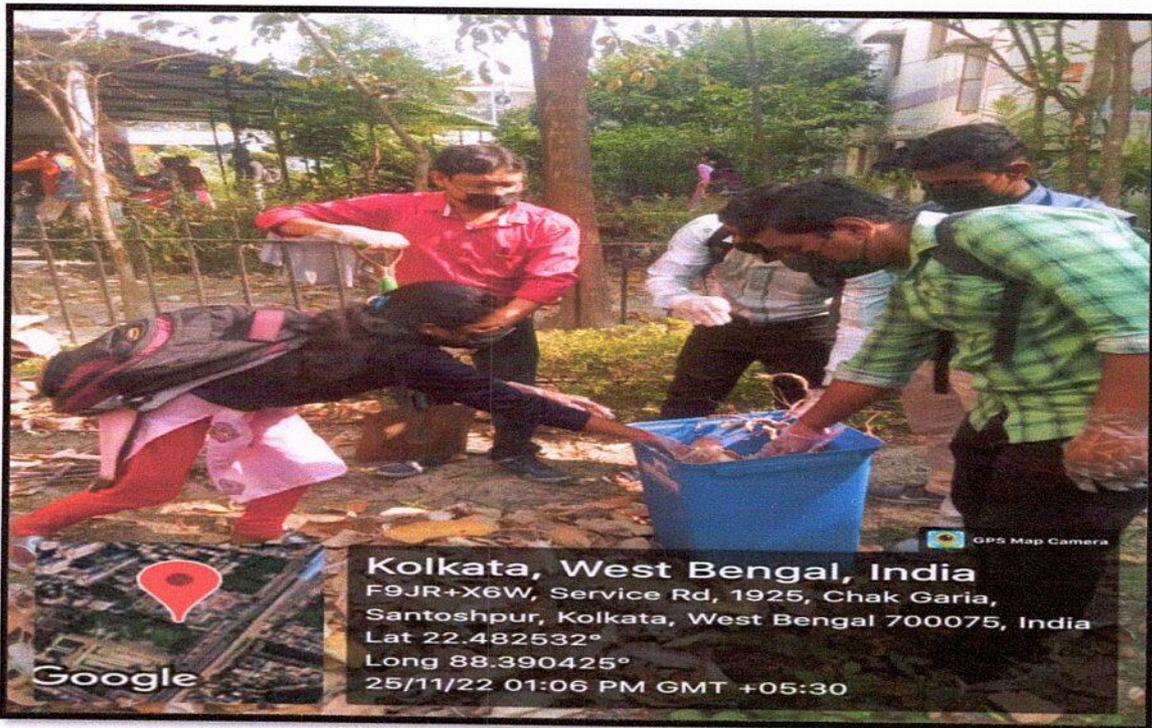


Attested
[Signature]
Principal
Sammilani Mahavidyalaya
E. M. Bypass, Baghajatin
Kolkata - 700 094

Photos of Regular Cleanliness Programme



ATTESTED
Jana
Principal
Sammilani Mahavidyalaya
E.M. Bypass, Bag...
Kolkata-700 034



Kolkata, West Bengal, India
F9JR+X6W, Service Rd, 1925, Chak Garia, Santoshpur, Kolkata, West Bengal 700075, India
Lat 22.482532°
Long 88.390425°
25/11/22 01:06 PM GMT +05:30

GPS Map Camera



Kolkata, West Bengal, India
F9JR+X6W, Service Rd, 1925, Chak Garia, Santoshpur, Kolkata, West Bengal 700075, India
Lat 22.482564°
Long 88.390547°
25/11/22 01:14 PM GMT +05:30

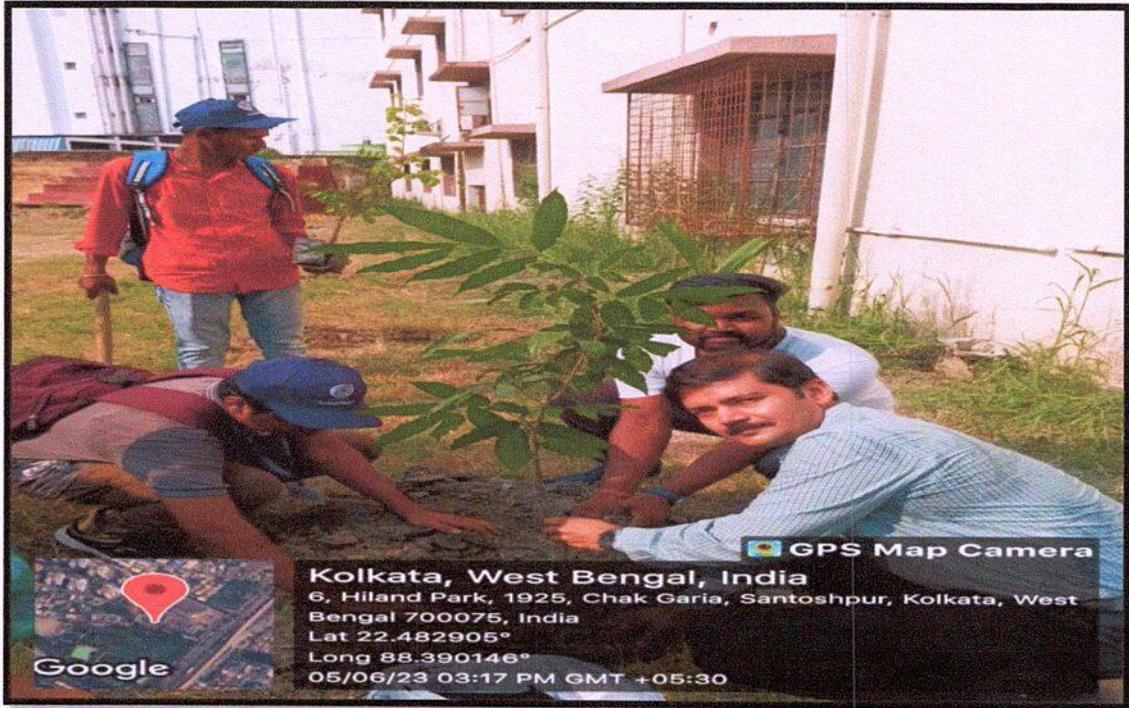
GPS Map Camera

ATTESTED
Gana
Principal
Sammitani Mahavidyalaya
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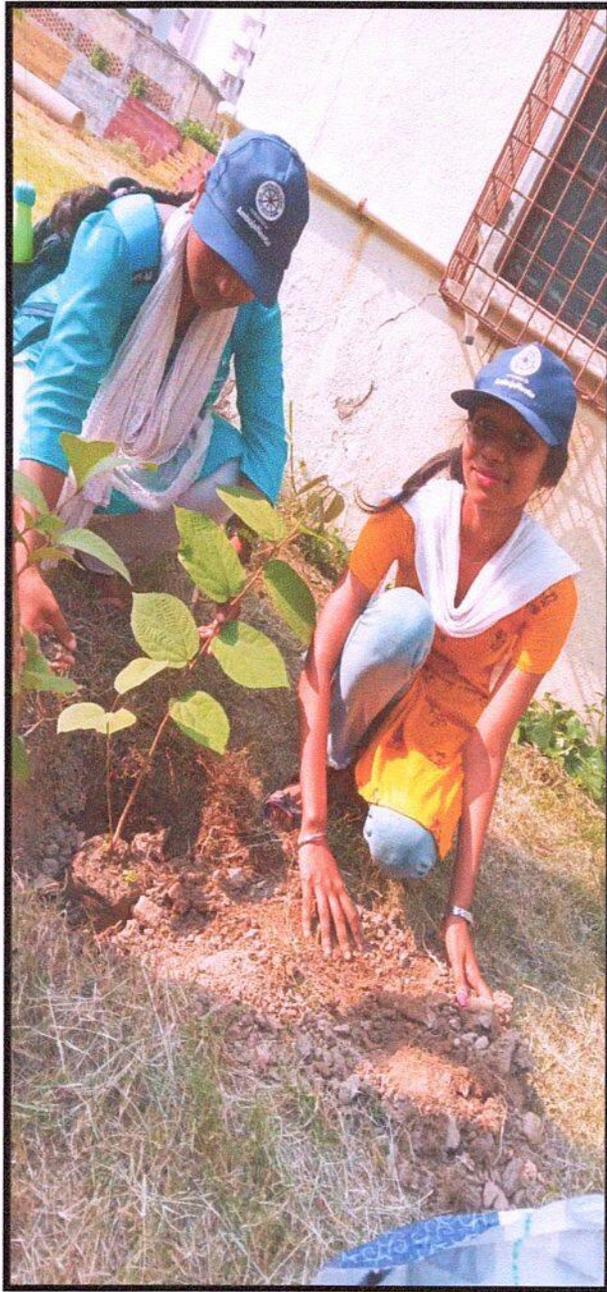


ATTESTED
Pana
Principal
Sammilani Mahavidyalaya
E.M. Bypass, Baghaiatin
Kolkata-700 094

Photos of Plantation Programme



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@jana
Principal
Sammilani Mahavidyalaya
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Gana
Principal
Sammilani Mahavidyalaya
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Sana
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