

Best Practice – Green Campus Initiative

Solar Project at CSIBER Kolhapur





SYNERGY SOLUTIONS

No.89/1, 'Anmol' 1st Floor, Gandhi Bazaar Main Road,
Basavanagudi, Bangalore - 04, Karnataka, INDIA
Tel : 080 2660 0064
Email : info@synergysols.in
Website : www.synergysols.in

Tax Invoice

(ORIGINAL FOR RECIPIENT)

SYNERGY SOLUTIONS

89/1, 1ST FLOOR, "ANMOL"
GANDHI BAZAR MAIN ROAD
BASAVANAGUDI
BANGALORE
GSTIN/UIN: 29AESPC6097B1Z8

Consignee

CHHATRAPATI SHAHU INSTITUTE OF BUSINESS EDUCATION AND RESEARCH CENTER

UNIVERSITY ROAD KOLHAPUR - 416 004

Maharashtra, Code : 27

GSTIN/UIN:27AAATC3093M1ZH

Buyer (if other than consignee)

CHHATRAPATI SHAHU INSTITUTE OF BUSINESS EDUCATION AND RESEARCH CENTER

UNIVERSITY ROAD KOLHAPUR - 416 004

Maharashtra, Code : 27

GSTIN/UIN:27AAATC3093M1ZH

Invoice No 517
e-Sugam No Dated 18-Dec-2017
Delivery Note Mode/Terms of Payment IMMEDIATE
Supplier's Ref Other Reference(s)
SS/517
Buyer's Order No Dated
CSIBER/SOLAR INVERTORS/17-18/452 18-Dec-2017
Despatch Document No Delivery Note Date
Despatched through Destination
SRS LOGISTICS KOLHAPUR, M.H
Terms of Delivery
IMMEDIATE

SI No	Description of Goods	HSN/SAC	Quantity	Rate	per	Disc %	Amount
1	TUV SOLAR DC CABLE 1COREX6SQMM(BLACK) 705 X 1	8544	706.00 MTRS	38.00	MTRS		26,828.00
		IGST					4,829.00

M. e. H.

Director

Chh. Shahu Institute of Business
Education & Research
University Road, Kolhapur.

Total 706.00 MTRS ₹ 31,657.00

Amount Chargeable (in words)

E & O E

INR Thirty One Thousand Six Hundred Fifty Seven Only

HSN/SAC	Taxable Value	Integrated Tax Rate	Amount
8544	26,828.00	18%	4,829.00
Total	26,828.00		4,829.00

Tax Amount (in words) : INR Four Thousand Eight Hundred Twenty Nine Only

Company's VAT TIN : 29430683286

Declaration

Subject To Bangalore Jurisdiction. Goods once sold will not taken back. Interest @ 24% P A will be charged for this bills remaining unpaid after 7 days from the due date of invoice or on presentations of documents by bank



for SYNERGY SOLUTIONS

M. e. H.
Authorised Signatory

This is a Computer Generated Invoice

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TAX INVOICE

Ornate Agencies Pvt Ltd
619, Plot No 241/242, Ground Floor,
Nimal Building, Barmster Rajani Patel Marg
Nimal Point, Mumbai
Maharashtra, Code : 27
GSTIN/UIN : 27AAAC02237Q1Z4
CIN : U51109DL1998PTC191118

Invoice No **OS-1718-0035-MH**
Dated **9-Oct-2017**
Delivery Note
Mode/Terms of Payment **100% Advance**
Supplier's Ref. mail
Other Reference(s)
Buyer's Order No
Dated
Despatch Document No
Delivery Note Date
Despatched through
Destination
By Road
Kolhapur
Terms of Delivery
Ex-Warehouse

Consignee
CHHATRAPATI SHAHU INSTITUTE OF BUSINESS EDUCATION AND RESEARCH CENTER
CSIBER Campus, University Road, Kolhapur -416004,
Maharashtra, Contact Person-Hrshikesh, Mob No.,
9822006044

State Name Maharashtra, Code : 27
GSTIN/UIN 27AAATC3093M1ZH
PAN/IT No

Buyer (if other than consignee)
CHHATRAPATI SHAHU INSTITUTE OF BUSINESS EDUCATION AND RESEARCH CENTER
CSIBER Campus, University Road,
Kolhapur -416004, Maharashtra
State Name Maharashtra, Code : 27
GSTIN/UIN 27AAATC3093M1ZH
PAN/IT No AAATC3093M

Sl No	Description of Goods	HSN/SAC	Quantity	Rate	per	Disc %	Amount
1	CS6U 325P Solar Panels Canadian Solar CS6U Polycrystalline	85414011	1,01,400.00 W (312 Pcs)	25.30	W		25,65,420.00

MH CGST
MH SGST

64,135.50
64,135.50

Total 1,01,400.00 W ₹ 26,93,691.00

Amount Chargeable (in words)

INR Twenty Six Lakh Ninety Three Thousand Six Hundred Ninety One Only

E & OE

HSN/SAC	Taxable Value	Central Tax Rate	Central Tax Amount	State Tax Rate	State Tax Amount	Total Tax Amount
85414011	25,65,420.00	2.50%	64,135.50	2.50%	64,135.50	1,28,271.00
Total	25,65,420.00		64,135.50		64,135.50	1,28,271.00

Tax Amount (in words) : INR One Lakh Twenty Eight Thousand Two Hundred Seventy One Only

Company's PAN : AAAC02237Q

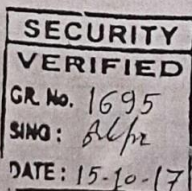
Declaration

We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

for Ornate Agencies Pvt Ltd

Authorized Signatory

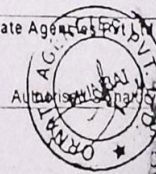
#BETTERTOGETHER



M-e AL

Director

Chh. Shahu Institute of Business
Education & Research
University Road, Kolhapur.



Supplier Name & Address:

ORYX SOLAR ENERGY

Office No. 19, 2nd Floor, Citi Pride
Hotel Building,
Behind Ambedkar Garden, Pimpri
Chauk, Pune, Maharashtra-411018
Contact:- +91 8605072007 /
9764634884 / 7517002007
Landline No:- 020-30698541

GSTIN No

: 27BMTPK1533Q1ZB

PAN No

: BMTPK1533Q

CIN No

Original

No:	0266 R1
Date:	17.11.17

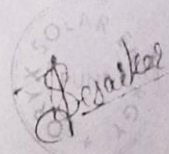
PO No :

395 Dt. 15th Nov 2017

Customer Name & GSTIN Details		Billing Address			Shipping Address		
M/s. Chhatrapati Shahu Institute of Business Education and Research Trust. GSTIN No: 27AAATC3093M1ZH Contact : 0231 2535706 / 0233-2302528		Secretary & Managing Trustee Chh. Shahu Institute Of Business Education & Research Kolhapur University Road Kolhapur - 416004			CSIBER Campus University Road Kolhapur - 416004		
Warranty: 5 Years		Date & Time Of Preparation :			17.11.2017 (09:00)		
		Payment Terms :			100% Advance		
		Mode Of Transportation :			By Road		
		Freight charges :			In Our Scope		
Sl No	Description And Specification Of Goods/Services	HSN No.	Qty With Unit	Unit Price (Rs)	CGST/IGS T@	SGST @	Amount (Rs)
1	ABB Make 20 kw 3 Phase Solar Gnd Tie Inverter Model No: TRIO-20.0-TL-OUTD-S2-400	8504 40 10	3 Nos	175000.00	2.5%	2.5%	525000.00
2	ABB Make 10 kw 3 Phase Solar Gnd Tie Inverter Model No: PVI-10.0-TL-OUTD-S	8504 40 10	1 No	100000.00	2.5%	2.5%	100000.00
3	ABB Make 50 kw 3 Phase Solar Gnd Tie Inverter Model No: TRIO-50.0-TL-OUTD-SX	8504 40 40	2 Nos	250000.00	2.5%	2.5%	500000.00

Note :-

- 1) On site commissioning support will be provided by Oryx Solar Energy free of cost. Only one free visit for commissioning for each site. Other extra visits will charge Rs. 2500/- per day. The Installation is in your scope.
- 2) 10 & 20kW Inverters are ready in stock. It will get dispatched immediately.
- 3) 50kW inverters (display module) will be available after 10th December. Currently we have without display modules in stock. If you want the display module then 70% booking amount will required to book the material in advance.

Invoice Value In Words	Eleven Lakh Eighty One Thousand Two Hundred & Fifty Only.	Total Taxable Amount	1125000.
		Total Tax	56250.
		Round Off	0.
		Total Invoice Value	1181250.
Account Details:		 Authorised Signatory	
Name of Account Holder: Oryx Solar Energy			
Bank A/C Number : 409000567719			
Bank Name: RBL Bank Limited			
Branch: Chinchwad			
IFSC Code: RATN0000052			



SYNERGY SOLUTIONS

No 89/1, 'Anmol' 1st Floor, Gandhi Bazaar Main Road
Basavanagudi, Bangalore - 04, Karnataka, INDIA
Tel: 080 2660 0064
Email: info@synergysols.in
Website: www.synergysols.in

Tax Invoice

(ORIGINAL FOR RECIPIENT)

SYNERGY SOLUTIONS
89/1, 1ST FLOOR, "ANMOL"
GANDHI BAZAR MAIN ROAD
BASAVANAGUDI
BANGALORE
GSTIN/UIN: 29AESPC6097B1Z8
Consignee

CHHATRAPATI SHAHU INSTITUTE OF BUSINESS EDUCATION AND RESEARCH CENTER
UNIVERSITY ROAD KOLHAPUR - 416 004
Maharashtra, Code: 27
GSTIN/UIN: 27AAATC3093M1ZH

Buyer (if other than consignee)

CHHATRAPATI SHAHU INSTITUTE OF BUSINESS EDUCATION AND RESEARCH CENTER
UNIVERSITY ROAD KOLHAPUR - 416 004
Maharashtra, Code: 27
GSTIN/UIN: 27AAATC3093M1ZH

Invoice No	e-Sugam No	Dated
424		25-Nov-2017
Delivery Note		Mode/Terms of Payment
		IMMEDIATE
Supplier's Ref		Other Reference(s)
SS/424		
Buyer's Order No.		Dated
CSSEER SOLAR INVERTORS 11-18, CSSEER SOLAR INVERTORS 11-18		21-Nov-2017, 18-Nov-2017
Despatch Document No		Delivery Note Date
Despatched through		Destination
SRS LOGISTICS		KOLHAPUR
Terms of Delivery		
IMMEDIATE		

Sl No	Description of Goods	HSN/SAC	Quantity	Rate	per	Disc %	Amount
1	SOLAR STRUCTURE MID CLAMPS 35 MM	7610	740 NOS	20.00	NOS		14,800.00
2	M 8 X 30 MM SPRING NUT BOLT FOR CLAMPS	7318	990 NOS	16.00	NOS		14,240.00
3	SOLAR STRUCTURE END CLAMPS 40 MM	7610	150 NOS	20.00	NOS		3,000.00
4	MC4 SOLAR CONNECTOR (MALE + FEMALE)	8536	50 NOS	45.00	NOS		2,250.00



continued ...

This is a Computer Generated Invoice

M. e. K.
Director
Chh. Shahu Institute of Business
Education & Research
University Road, Kolhapur.

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7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation:

1. Solar Energy

The total power requirement of the institute is 68.8 KWH out of which 57 KWH is generated through solar energy, almost 80% of requirement is fulfilled by solar energy. In order to minimize consumption of electricity both the Boys hostel and Girl's hostel have solar water heaters with capacity of 4000 ltrs



Type	Degress	DMS
Latitude	16.68794	16°41'16" N
Longitude	74.252	74°15'7" W



Type	Degress	DMS
Latitude	16.68804	16°41'16" N
Longitude	74.25214	74°15'7" W



Type	Degree	DMS
Latitude	16.68787	16°41'16" N
Longitude	74.25194	74°15'6" W



Type	Degree	DMS
Latitude	16.68803	16°41'16" N
Longitude	74.25217	74°15'7" W



Type	Degree	DMS
Latitude	16.68787	16°41'16" N
Longitude	74.25193	74°15'6" W

2. Wheeling to the Grid

Yes the solar power generation unit is wheeled to Maharashtra state electricity board and the excess power is provided in non-peak hours.



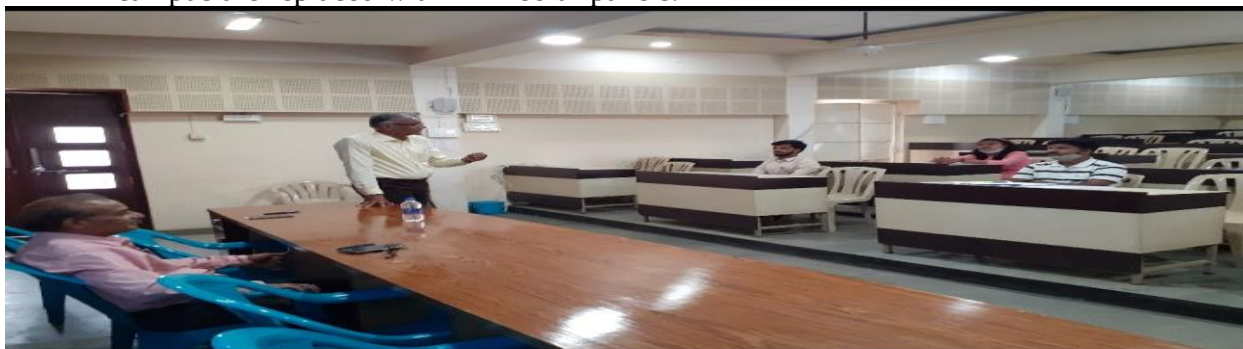
Type	Degree	DMS
Latitude	16.68778	16°41'15" N
Longitude	74.25194	74°15'7" W



Type	Degress	DMS
Latitude	16.6875	16°41'15" N
Longitude	74.25222	74°15'7" W

5. Use of LED bulbs

The tube lights in the premises are replaced with led lamps/tubes to save energy in the campus, 100% of replacement is done through LED. The street lights in the campus are replaced with LED solar panels.



Type	Degress	DMS
Latitude	16.68806	16°41'16" N
Longitude	74.25167	74°15'6" W



Type	Degree	DMS
Latitude	16.68794	16°41'16" N
Longitude	74.25202	74°15'7" W



Type	Degree	DMS
Latitude	16.68797	16°41'16" N
Longitude	74.25204	74°15'7" W



Type	Degress	DMS
Latitude	16.68806	16°41'16" N
Longitude	74.25167	74°15'6" W



Type	Degress	DMS
Latitude	16.68791	16°41'16" N
Longitude	74.25194	74°15'6" W

7.1.3 Waste management

Waste management is an important aspect in environment management. Various types of wastes generated in the campus are handled carefully and managed scientifically. The details of waste management are as follows.

- Solid waste management

The Institute aims for an eco-friendly campus and to make this a reality; institute has taken various initiatives in which the campus of the institute has already declared as plastic free zone. Plastics, paper and food waste has been segregated at the initial level only and it has collected in Bins which are placed in different parts of the campus. Apart from this reusable steel plates and glasses are used in the canteen. Kolhapur Municipal Corporation (KMC) collects solid waste from the campus regularly through its solid waste collection vehicle for the further process. Institute always encourage and motivate its staff and students to use of eco-friendly bags and files and have taken the initiative to take up campus cleaning programme through extension activities

- Liquid waste management

Institute has taken serious steps in liquid waste generated in the campus. The liquid wastes generated in the campus include Sewage, Laboratory, Laundry, hostel, wash rooms, urinals, basins and canteen effluent waste. For the effective treatment of liquid waste generated from all above sources, Institute has constructed two well-designed Sewage Treatment Plants (STP) which can treat 25 m³/day of sewage. The STP installed near Central Library having design capacity of 10 m³/day in which sewage from toilets is screened and collected in Aeration Tank which is equipped with Jet Aerator. In this process microbial activity will degrade the organic matter in the effluent into minerals and water. Microbial activity will be enhanced by using organic culture in aeration tank. This will help in reduction of all the effluent parameters like BOD, COD, Suspended Solids etc. to enable use to reuse this water selectively. We do not use any chemicals for wastewater treatment. Our campus is a chemical-free zone. We use Effective Microbes (EM) technology. The parameters of the treated water are far better than effluent parameters specified by Maharashtra Pollution Control Board (MPCB). While in another STP installed near Ladies Hostel to have eco-friendly and natural treatment, this plant is designed based on the biological treatment concept, this means naturally occurring microbes (which are present in influent water itself) removes or degrade the organic matter present in the effluent and at the end clean water is available for the non-potable usage or to dispose safely in the drainage or river bodies as per the norms.

- Biomedical waste management

As Institute does not have medical stream Not Applicable.

- E-waste management

In the consideration of waste management, Institute has also given priority for e-waste management in the campus. With respect to e-waste, Institute has unused computers and their peripherals are the only source of electronic waste on the campus. In the Institute as on date more than 500 computers under use for practical and office work. Institute follows the policy for e-waste management in which reuse of old computers by donating them to other schools under the trust and old ones replaced with new under the buyback scheme. As well as every effort is made to repair and use electronic and electrical devices. Piling up of e-waste is discouraged in the campus. Waste recycling system

- Waste recycling system

- Hazardous chemicals and radioactive waste management
- As Institute does not have Chemistry Or Physics programs on campus NA



Sewage Treatment Plant (Location: Girl Hostel)



Type	Degree	DMS
Latitude	16.68788	16°41'16" N
Longitude	74.25194	74°15'6" W



Type	Degress	DMS
Latitude	16.68791	16°41'16" N
Longitude	74.25194	74°15'6" W

Sewage Treatment Plant near Library

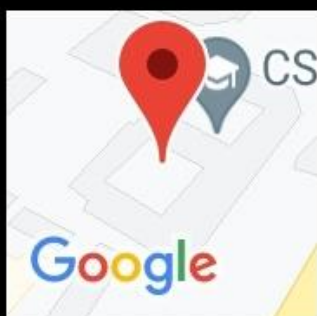
1. Rain Water Harvesting



Type	Degree	DMS
Latitude	16.68795	16°41'16" N
Longitude	74.25202	74°15'7" W



Type	Degress	DMS
Latitude	16.68795	16°41'16" N
Longitude	74.252	74°15'7" W



Type	Degress	DMS
Latitude	16.68794	16°41'16" N
Longitude	74.25202	74°15'7" W

4. Waste Water Recycling



Sewage Treatment Plant (Location: Girl Hostel)



Type	Degress	DMS
Latitude	16.68788	16°41'16" N
Longitude	74.25194	74°15'6" W



Type	Degree	DMS
Latitude	16.68791	16°41'16" N
Longitude	74.25194	74°15'6" W



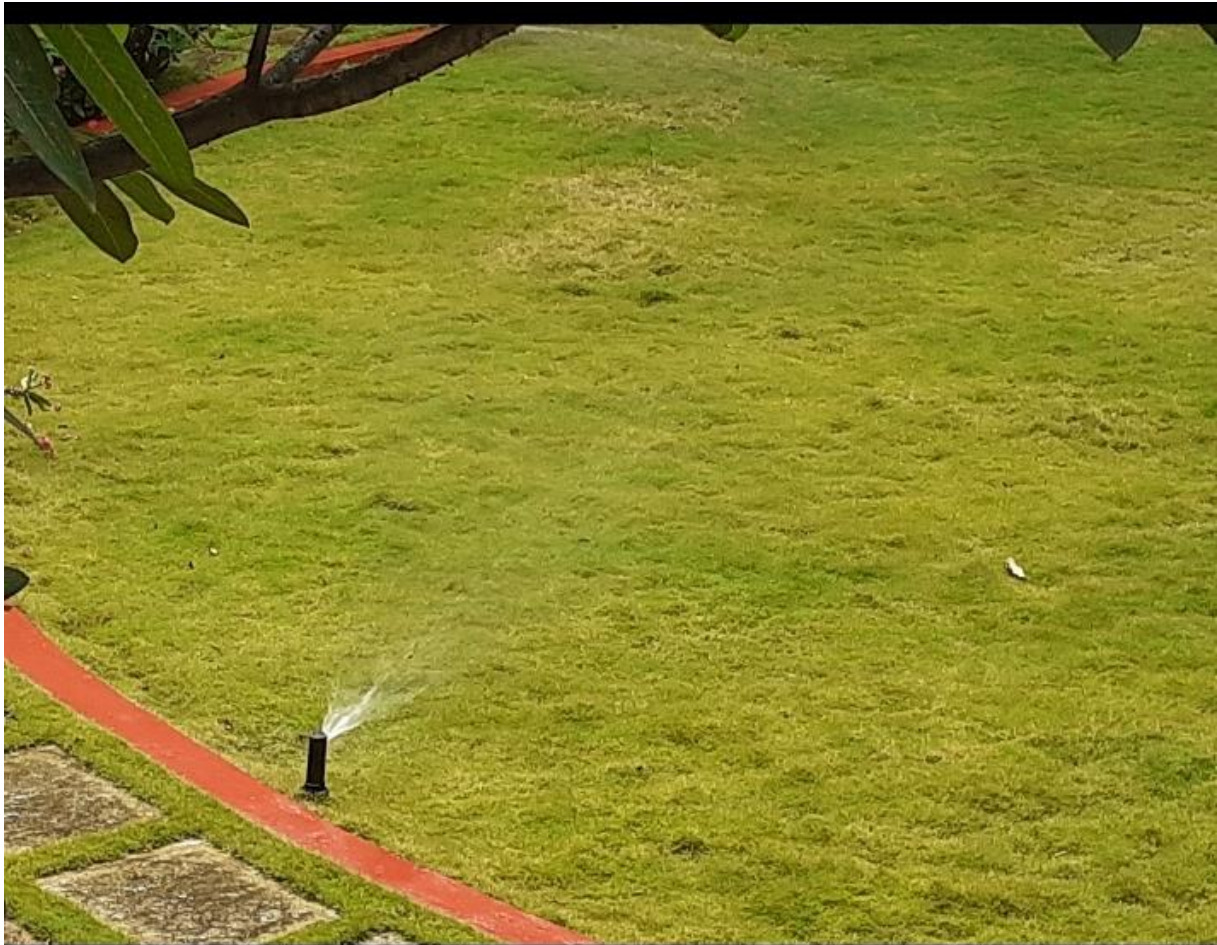
Type	Degree	DMS
Latitude	16.68806	16°41'16" N
Longitude	74.2525	74°15'9" W

STP treated water used for gardening



Type	Degree	DMS
Latitude	16.68778	16°41'15" N
Longitude	74.25222	74°15'7" W

STP treated water used for gardening



Type	Degress	DMS
Latitude	16.68778	16°41'15" N
Longitude	74.25222	74°15'7" W

STP treated water used for gardening



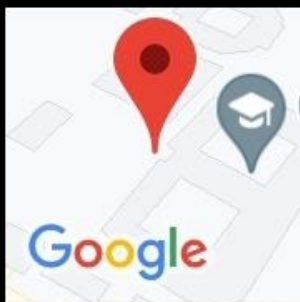
Type	Degree	DMS
Latitude	16.68792	16°41'16" N
Longitude	74.25208	74°15'7" W

Distribution System in the campus



Type	Degree	DMS
Latitude	16.6879	16°41'16" N
Longitude	74.25194	74°15'6" W

Distribution System in the campus



Type	Degree	DMS
Latitude	16.68806	16°41'16" N
Longitude	74.25222	74°15'7" W

Distribution System in the campus



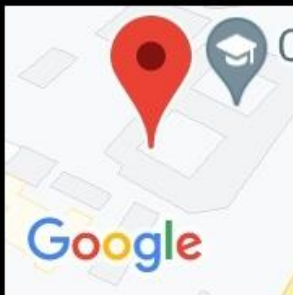
Type	Degree	DMS
Latitude	16.68786	16°41'16" N
Longitude	74.25193	74°15'6" W

Distribution System in the campus



Type	Degree	DMS
Latitude	16.68796	16°41'16" N
Longitude	74.25203	74°15'7" W

Distribution System in the campus



Type	Degree	DMS
Latitude	16.68806	16°41'16" N
Longitude	74.25194	74°15'7" W

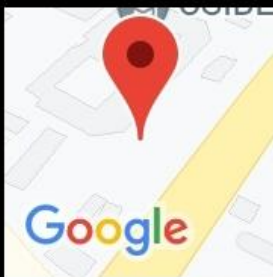
Distribution System in the campus



Type	Degree	DMS
Latitude	16.68792	16°41'16" N
Longitude	74.25208	74°15'7" W

Maintenance of water bodies

3. Pedestrian Friendly Pathways



Type	Degree	DMS
Latitude	16.68778	16°41'15" N
Longitude	74.25167	74°15'6" W

Speed breakers



Type	Degree	DMS
Latitude	16.68778	16°41'15" N
Longitude	74.25139	74°15'4" W

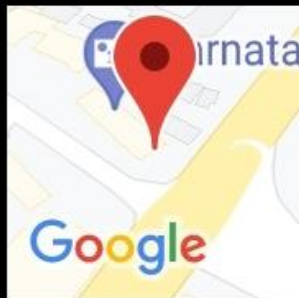
Speed breakers



Type	Degress	DMS	overcast clouds
Latitude	16.6882	16°41'17...	28.0 °C
Longitude	74.25102	74°15'3"...	

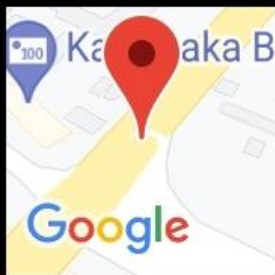


Entrance gate pathway for pedestrians



Type	Degree	DMS
Latitude	16.68806	16°41'16" N
Longitude	74.25111	74°15'4" W

Pathway for Pedestrian

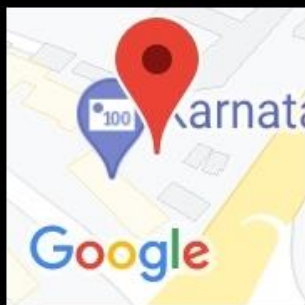


Type	Degress	DMS
Latitude	16.68778	16°41'15" N
Longitude	74.25111	74°15'4" W

Pathway for Pedestrian



Parking space for small vehicles



Type	Degree	DMS
Latitude	16.68806	16°41'16" N
Longitude	74.25139	74°15'4" W

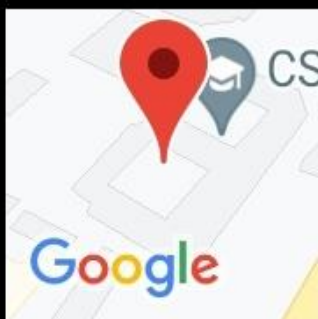
Parking space for big vehicles

Plastic ban



Organized campaign for Plastic free Kolhapur named as Sant Ghadage Baba Sankalp Plastic Kachara Mukta on 23 February, 2020, Students of MBA (Envt. Mgt.) & M.Sc. (E&S) and CNCVCW college.

5. Landscaping



Type	Degress	DMS
Latitude	16.68794	16°41'16" N
Longitude	74.25203	74°15'7" W



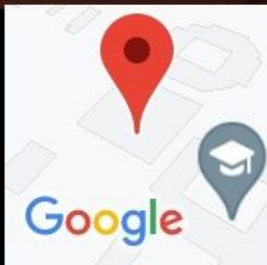
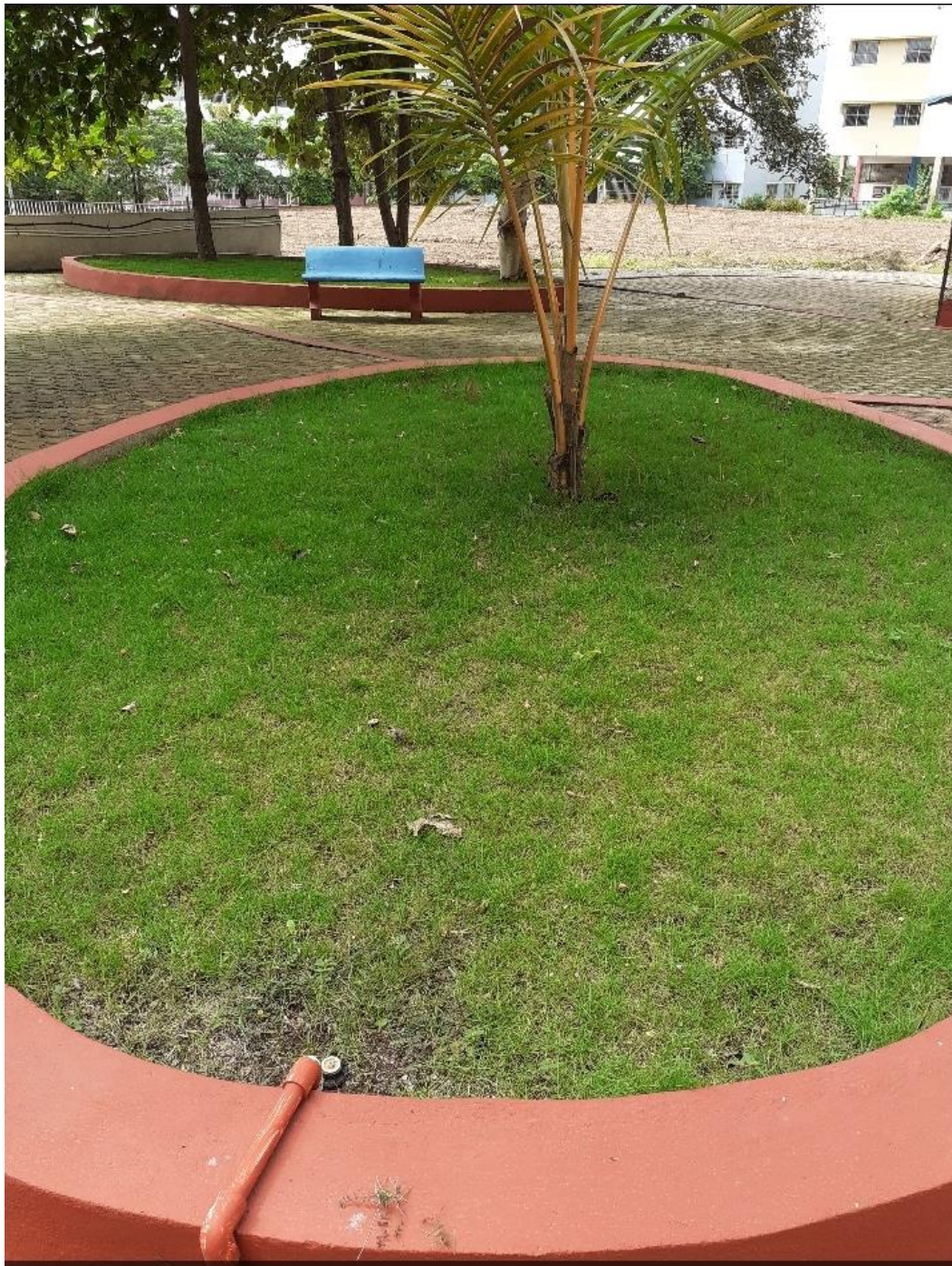
Type	Degress	DMS
Latitude	16.68778	16°41'15" N
Longitude	74.25222	74°15'7" W



Type	Degress	DMS
Latitude	16.68778	16°41'15" N
Longitude	74.25222	74°15'7" W



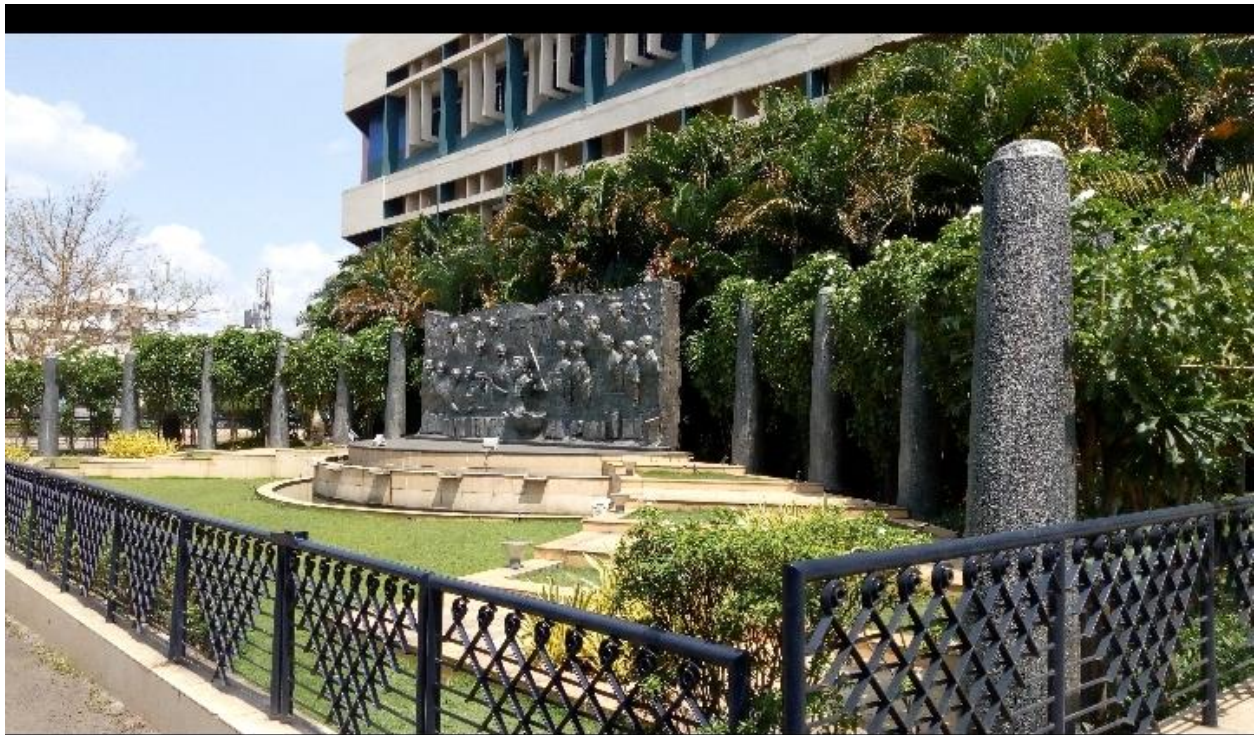
Type	Degress	DMS
Latitude	16.68806	16°41'16" N
Longitude	74.2525	74°15'9" W



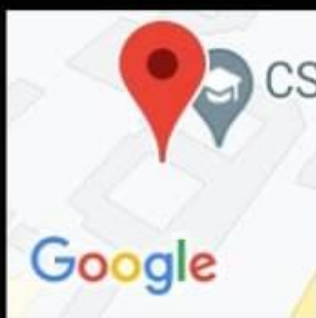
Type	Degress	DMS
Latitude	16.68806	16°41'16" N
Longitude	74.2525	74°15'9" W



Type	Degress	DMS
Latitude	16.68792	16°41'16" N
Longitude	74.25208	74°15'7" W



Type	Degree	DMS
Latitude	16.68798	16°41'16" N
Longitude	74.25205	74°15'7" W



Type	Degress	DMS
Latitude	16.68794	16°41'16" N
Longitude	74.25208	74°15'7" W



Date: 25/1/2020

CERTIFICATE

This is to certify that CSIBER Environment Care Club conducts various extension activities for Environmental Awareness in the society. As a part of this activity, our organization also participate in the programmes like Eco-friendly God Ganesha Idol Making, Nirmalya & Moorti Daan during festival & Pollution Free Celebration.

CSIBER has encouraged and maintained Plastic Free, Clean & Green Campus through various activities like Reduced Plastic Use, Plantation & Landscaping, Rain water harvesting, Harnessing Solar Energy, Vermi Composting and Waste Water Treatment.

For Kirloskar Oil Engines Ltd.

Sharad D. Ajagekar
Sr. Officer, CSR

TITLE:

Organized campaign for Plastic free Kolhapur named as Sant Ghadage Baba Sankalp Plastic Kachara Mukta Kolhapurcha" at CSIBER Chowk

OBJECTIVES:

DAY & DATE:

23th February, 2021

1. To make the Kolhapur Plastic Free.
2. To Make the Environment Clean under Sant Ghadage Baba Abhiyan.

PHOTOGRAPH ■

NO. OF PARTICIPANTS:

70



OUTCOME:

Talking about urban areas the Swachh Bharat Mission helps to educate the people in urban areas when it comes to keeping the surroundings clean by not littering everywhere and using dustbins. This mission helped the urban dwellers to remember fundamental duties and rights together, and that cleanliness is not limited to government departments and is a duty of every responsible citizen of this country. Accordingly "All the students and faculty will participated in the Swachata Abhiyan programme to make the area clean in front of CSIBER Chowk, Near Rajaram College .

PROGRAM CO-ORDINATORS

Environment Management

Er. D. S. Mali
Ms. R. C. Padalkar
Dr. V. B. Patil
Dr. P. M. Patil





Swachhta Abhiyan is organized by Department of Environment Management along with students of M.Sc. (Envt. Safety) , CNCVCW college & MBA (Environment Management) .



Type	Degree	DMS
Latitude	16.6875	16°41'15" N
Longitude	74.25111	74°15'4" W



Type	Degress	DMS
Latitude	16.68778	16°41'15" N
Longitude	74.25167	74°15'6" W